

RVG200

Paperless chart recorder

Custom configuration information

1 Introduction

ABB can supply custom configurations for the RVG200 Paperless Recorder on request.

Enter the required setting or place a check mark (✓) against the relevant parameters in the following tables and return this document to the Global Sales office at Stonehouse. When used in conjunction with an ABB supplied Validation template a hard copy should be kept alongside the completed validation document.

2 Hardware configuration

I/O Module Options

(✓ the type of module fitted in each position)

Type	Position			
	A	B	C	D
None				
Analog Input				
Hybrid Module				
Relay Module				

Software Options (✓ the option(s) fitted)

None	
Totalizers	
Math & Logic	
Batch	

Communications (✓ the option(s) fitted)

RS485 communications	
----------------------	--

3 Common configuration

3.1 Setup

Number of Groups (✓ the box required)

1	
2	
3	
4	
5	
6	

Channel Allocation (✓ the channels required max. 24 in total)

Channel	Group 1	Group 2	Group 3	Group 4	Group 5	Group 6
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						

Note. Channels can be assigned only to single group.

Language (✓ the box required)

English	
German	
Italian	
Spanish	
French	
Chinese	

Global Alarm Acknowledge Source

(enter a source to acknowledge all alarms)

Instrument Tag

(enter a tag used to identify the instrument)

3.2 Archive tab

Archive Media (✓ the box required)

None	
SD Card	
Front USB	
Rear USB	
Internal Memory	

Wrap (✓ the setting required)

Off	
On	

Archiving Groups (✓ the box required)

Group 1	
Group 2	
Group 3	
Group 4	
Group 5	
Group 6	

3.3 Screen

Screensaver Wait Time (✓ the box required)

Disabled	
5 minutes	
15 minutes	
30 minutes	
60 minutes	
2 hours	
4 hours	
24 hours	

Screen Capture (✓ the box required)

Enabled	
Disabled	

Overview Display (✓ the box required)

Enabled	
Disabled	

Chart View Timer (✓ the box required)

On	
Off	

3.4 Security

Security System (✓ the box required)

Basic	
Advanced	

Configuration Security (✓ the box required)

Password Protected	
Internal Switch Protected	

Logging Security (✓ the box required)

On	
Off	

Acknowledge Security (✓ the box required)

On	
Off	

Reconfigure Preset (✓ the box required)

On	
Off	

Password Expiry (✓ the box required)

Disabled	
7 days	
14 days	
30 days	
60 days	
90 days	
180 days	
360 days	

User Inactivity Disabling (✓ the box required)

Disabled	
7 days	
14 days	
30 days	
60 days	
90 days	
180 days	
360 days	

Password Failure limit (✓ the box required)

1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
Infinite	

Minimum password Length (✓ the box required)

4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	

3.5 User

User 1

User 1 Name	
User 1 Password	

User 1 Access (✓ the box required)

Electronic Signature	
Logging	
Alarm Acknowledge	
Note. Full access always.	

User 2

User 2 Name	
User 2 Password	

User 2 Access (✓ the box required)

Electronic Signature	
Logging	
Alarm Acknowledge	
Configuration (No Access)	
Configuration (Load)	
Configuration (Ltd)	
Configuration (Full)	

User 3

User 3 Name	
User 3 Password	

User 3 Access (✓ the box required)

Electronic Signature	
Logging	
Alarm Acknowledge	
Configuration (No Access)	
Configuration (Load)	
Configuration (Ltd)	
Configuration (Full)	

User 4

User 4 Name	
User 4 Password	

User 4 Access (✓ the box required)

Electronic Signature	
Logging	
Alarm Acknowledge	
Configuration (No Access)	
Configuration (Load)	
Configuration (Ltd)	
Configuration (Full)	

User 5

User 5 Name	
User 5 Password	

User 5 Access (✓ the box required)

Electronic Signature	
Logging	
Alarm Acknowledge	
Configuration (No Access)	
Configuration (Load)	
Configuration (Ltd)	
Configuration (Full)	

User 6

User 6 Name	
User 6 Password	

User 6 Access (✓ the box required)

Electronic Signature	
Logging	
Alarm Acknowledge	
Configuration (No Access)	
Configuration (Load)	
Configuration (Ltd)	
Configuration (Full)	

User 7

User 7 Name	
User 7 Password	

User 7 Access (✓ the box required)

Electronic Signature	
Logging	
Alarm Acknowledge	
Configuration (No Access)	
Configuration (Load)	
Configuration (Ltd)	
Configuration (Full)	

User 8

User 8 Name	
User 8 Password	

User 8 Access (✓ the box required)

Electronic Signature	
Logging	
Alarm Acknowledge	
Configuration (No Access)	
Configuration (Load)	
Configuration (Ltd)	
Configuration (Full)	

User 9

User 9 Name	
User 9 Password	

User 9 Access (✓ the box required)

Electronic Signature	
Logging	
Alarm Acknowledge	
Configuration (No Access)	
Configuration (Load)	
Configuration (Ltd)	
Configuration (Full)	

User 10

User 10 Name	
User 10 Password	

User 10 Access (✓ the box required)

Electronic Signature	
Logging	
Alarm Acknowledge	
Configuration (No Access)	
Configuration (Load)	
Configuration (Ltd)	
Configuration (Full)	

User 11

User 11 Name	
User 11 Password	

User 11 Access (✓ the box required)

Electronic Signature	
Logging	
Alarm Acknowledge	
Configuration (No Access)	
Configuration (Load)	
Configuration (Ltd)	
Configuration (Full)	

User 12

User 12 Name	
User 12 Password	

User 12 Access (✓ the box required)

Electronic Signature	
Logging	
Alarm Acknowledge	
Configuration (No Access)	
Configuration (Load)	
Configuration (Ltd)	
Configuration (Full)	

3.6 Operator messages

Operator Message 1

Message Tag	
Source ID	
Assign to Group 1	
Assign to Group 2	
Assign to Group 3	
Assign to Group 4	
Assign to Group 5	
Assign to Group 6	

Operator Message 2

Message Tag	
Source ID	
Assign to Group 1	
Assign to Group 2	
Assign to Group 3	
Assign to Group 4	
Assign to Group 5	
Assign to Group 6	

Operator Message 3

Message Tag	
Source ID	
Assign to Group 1	
Assign to Group 2	
Assign to Group 3	
Assign to Group 4	
Assign to Group 5	
Assign to Group 6	

Operator Message 4

Message Tag	
Source ID	
Assign to Group 1	
Assign to Group 2	
Assign to Group 3	
Assign to Group 4	
Assign to Group 5	
Assign to Group 6	

Operator Message 5

Message Tag	
Source ID	
Assign to Group 1	
Assign to Group 2	
Assign to Group 3	
Assign to Group 4	
Assign to Group 5	
Assign to Group 6	

Operator Message 6

Message Tag	
Source ID	
Assign to Group 1	
Assign to Group 2	
Assign to Group 3	
Assign to Group 4	
Assign to Group 5	
Assign to Group 6	

Operator Message 7

Message Tag	
Source ID	
Assign to Group 1	
Assign to Group 2	
Assign to Group 3	
Assign to Group 4	
Assign to Group 5	
Assign to Group 6	

Operator Message 8

Message Tag	
Source ID	
Assign to Group 1	
Assign to Group 2	
Assign to Group 3	
Assign to Group 4	
Assign to Group 5	
Assign to Group 6	

Operator Message 9

Message Tag	
Source ID	
Assign to Group 1	
Assign to Group 2	
Assign to Group 3	
Assign to Group 4	
Assign to Group 5	
Assign to Group 6	

Operator Message 13

Message Tag	
Source ID	
Assign to Group 1	
Assign to Group 2	
Assign to Group 3	
Assign to Group 4	
Assign to Group 5	
Assign to Group 6	

Operator Message 10

Message Tag	
Source ID	
Assign to Group 1	
Assign to Group 2	
Assign to Group 3	
Assign to Group 4	
Assign to Group 5	
Assign to Group 6	

Operator Message 14

Message Tag	
Source ID	
Assign to Group 1	
Assign to Group 2	
Assign to Group 3	
Assign to Group 4	
Assign to Group 5	
Assign to Group 6	

Operator Message 11

Message Tag	
Source ID	
Assign to Group 1	
Assign to Group 2	
Assign to Group 3	
Assign to Group 4	
Assign to Group 5	
Assign to Group 6	

Operator Message 15

Message Tag	
Source ID	
Assign to Group 1	
Assign to Group 2	
Assign to Group 3	
Assign to Group 4	
Assign to Group 5	
Assign to Group 6	

Operator Message 12

Message Tag	
Source ID	
Assign to Group 1	
Assign to Group 2	
Assign to Group 3	
Assign to Group 4	
Assign to Group 5	
Assign to Group 6	

Operator Message 16

Message Tag	
Source ID	
Assign to Group 1	
Assign to Group 2	
Assign to Group 3	
Assign to Group 4	
Assign to Group 5	
Assign to Group 6	

Operator Message 17

Message Tag	
Source ID	
Assign to Group 1	
Assign to Group 2	
Assign to Group 3	
Assign to Group 4	
Assign to Group 5	
Assign to Group 6	

Operator Message 21

Message Tag	
Source ID	
Assign to Group 1	
Assign to Group 2	
Assign to Group 3	
Assign to Group 4	
Assign to Group 5	
Assign to Group 6	

Operator Message 18

Message Tag	
Source ID	
Assign to Group 1	
Assign to Group 2	
Assign to Group 3	
Assign to Group 4	
Assign to Group 5	
Assign to Group 6	

Operator Message 22

Message Tag	
Source ID	
Assign to Group 1	
Assign to Group 2	
Assign to Group 3	
Assign to Group 4	
Assign to Group 5	
Assign to Group 6	

Operator Message 19

Message Tag	
Source ID	
Assign to Group 1	
Assign to Group 2	
Assign to Group 3	
Assign to Group 4	
Assign to Group 5	
Assign to Group 6	

Operator Message 23

Message Tag	
Source ID	
Assign to Group 1	
Assign to Group 2	
Assign to Group 3	
Assign to Group 4	
Assign to Group 5	
Assign to Group 6	

Operator Message 20

Message Tag	
Source ID	
Assign to Group 1	
Assign to Group 2	
Assign to Group 3	
Assign to Group 4	
Assign to Group 5	
Assign to Group 6	

Operator Message 24

Message Tag	
Source ID	
Assign to Group 1	
Assign to Group 2	
Assign to Group 3	
Assign to Group 4	
Assign to Group 5	
Assign to Group 6	

4 Group configuration

4.1 Process group 1

4.1.1 Recording

Tag (enter a tag used to identify the process group)

--

Recording Enable Source

(enter a source to enable/disable recording)

--

Primary Sample Rate

(enter the primary sampling rate required)

--

Secondary Sample Rate

(enter the secondary sampling rate required)

--

Sample Rate Select Source

(enter a source to enable switching between sample rates)

--

4.1.2 Chart

Chart View enable (✓ the box required)

Horizontal →	
Horizontal ←	
Vertical	

Chart Annotation (✓ the box required)

None	
Alarms	
Alarms & operator Messages	

Major Chart Divs	
Minor Chart Divs	

Trace Pointers (✓ the box required)

Enabled	
Disabled	

Indicators (✓ the box required)

Enabled	
Disabled	

Trace Width (✓ the box required)

1	
2	
3	

Menu Enables (✓ the box required)

Message Select	
Alarm Ack	
Scale Select	
Trace Select	
Screen Interval select	
Historical Review	
Chart annotation select	

4.1.3 Indicator

Indicator View enable (✓ the box required)

Enable	
Display	

Totalizer / Statistics display (✓ the box required)

On	
Off	

Bargraph Display (✓ the box required)

On	
Off	

Alarm Trip Points (✓ the box required)

On	
Off	

Menu Enables (✓ the box required)

Operator Message	
Totalizer Stop/Go	
Totalizer Reset	
Show Totalizer Statistics	
Alarm Acknowledge	

4.1.4 Bar

Bar Graph View enable (✓ the box required)

On	
Off	

Bar Graph Markers (✓ the box required)

No Markers	
Max & Min	
Alarm Trips	
Max, Min & Alarm Trips	

Menu Enables (✓ the box required)

Message Select	
Alarm Ack	
Max/Min Reset	

4.1.5 Batch

Batch (✓ the box required)

Enable	
Disable	

Batch Type (✓ the box required)

Standard	
Concurrent	

Batch Start/Stop
Source (std type only)

Batch Power Failure Abort (✓ the box required)

Off	
1 minute	
3 minutes	
5 minutes	
10 minutes	
20 minutes	
30 minutes	
1 hour	
2 hours	

Operator Login (✓ the box required)

Automatic	
Off	
Text	

Batch Number (✓ the box required)

Automatic	
Off	
Text	

Field 1	
Field 2	
Field 3	

4.2 Process group 2

4.2.1 Recording

Tag (enter a tag used to identify the process group)

--

Recording Enable Source

(enter a source to enable/disable recording)

--

Primary Sample Rate

(enter the primary sampling rate required)

--

Secondary Sample Rate

(enter the secondary sampling rate required)

--

Sample Rate Select Source

(enter a source to enable switching between sample rates)

--

4.2.2 Chart

Chart View enable (✓ the box required)

Horizontal →	
Horizontal ←	
Vertical	

Chart Annotation (✓ the box required)

None	
Alarms	
Alarms & operator Messages	

Major Chart Divs	
Minor Chart Divs	

Trace Pointers (✓ the box required)

Enabled	
Disabled	

Indicators (✓ the box required)

Enabled	
Disabled	

Trace Width (✓ the box required)

1	
2	
3	

Menu Enables (✓ the box required)

Message Select	
Alarm Ack	
Scale Select	
Trace Select	
Screen Interval select	
Historical Review	
Chart annotation select	

4.2.3 Indicator

Indicator View enable (✓ the box required)

Enable	
Display	

Totalizer / Statistics display (✓ the box required)

On	
Off	

Bargraph Display (✓ the box required)

On	
Off	

Alarm Trip Points (✓ the box required)

On	
Off	

Menu Enables (✓ the box required)

Operator Message	
Totalizer Stop/Go	
Totalizer Reset	
Show Totalizer Statistics	
Alarm Acknowledge	

4.2.4 Bar

Bar Graph View enable (✓ the box required)

On	
Off	

Bar Graph Markers (✓ the box required)

No Markers	
Max & Min	
Alarm Trips	
Max, Min & Alarm Trips	

Menu Enables (✓ the box required)

Message Select	
Alarm Ack	
Max/Min Reset	

4.2.5 Batch

Batch (✓ the box required)

Enable	
Disable	

Batch Type (✓ the box required)

Standard	
Concurrent	

Batch Start/Stop Source (std type only)	
--	--

Batch Power Failure Abort (✓ the box required)

Off	
1 minute	
3 minutes	
5 minutes	
10 minutes	
20 minutes	
30 minutes	
1 hour	
2 hours	

Operator Login (✓ the box required)

Automatic	
Off	
Text	

Batch Number (✓ the box required)

Automatic	
Off	
Text	

Field 1	
Field 2	
Field 3	

4.3 Process group 3

4.3.1 Recording

Tag (enter a tag used to identify the process group)

--

Recording Enable Source

(enter a source to enable/disable recording)

--

Primary Sample Rate

(enter the primary sampling rate required)

--

Secondary Sample Rate

(enter the secondary sampling rate required)

--

Sample Rate Select Source

(enter a source to enable switching between sample rates)

--

4.3.2 Chart

Chart View enable (✓ the box required)

Horizontal →	
Horizontal ←	
Vertical	

Chart Annotation (✓ the box required)

None	
Alarms	
Alarms & operator Messages	

Major Chart Divs	
Minor Chart Divs	

Trace Pointers (✓ the box required)

Enabled	
Disabled	

Indicators (✓ the box required)

Enabled	
Disabled	

Trace Width (✓ the box required)

1	
2	
3	

Menu Enables (✓ the box required)

Message Select	
Alarm Ack	
Scale Select	
Trace Select	
Screen Interval select	
Historical Review	
Chart annotation select	

4.3.3 Indicator

Indicator View enable (✓ the box required)

Enable	
Display	

Totalizer / Statistics display (✓ the box required)

On	
Off	

Bargraph Display (✓ the box required)

On	
Off	

Alarm Trip Points (✓ the box required)

On	
Off	

Menu Enables (✓ the box required)

Operator Message	
Totalizer Stop/Go	
Totalizer Reset	
Show Totalizer Statistics	
Alarm Acknowledge	

4.3.4 Bar

Bar Graph View enable (✓ the box required)

On	
Off	

Bar Graph Markers (✓ the box required)

No Markers	
Max & Min	
Alarm Trips	
Max, Min & Alarm Trips	

Menu Enables (✓ the box required)

Message Select	
Alarm Ack	
Max/Min Reset	

4.3.5 Batch

Batch (✓ the box required)

Enable	
Disable	

Batch Type (✓ the box required)

Standard	
Concurrent	

Batch Start/Stop
Source (std type only)

Batch Power Failure Abort (✓ the box required)

Off	
1 minute	
3 minutes	
5 minutes	
10 minutes	
20 minutes	
30 minutes	
1 hour	
2 hours	

Operator Login (✓ the box required)

Automatic	
Off	
Text	

Batch Number (✓ the box required)

Automatic	
Off	
Text	

Field 1	
Field 2	
Field 3	

4.4 Process group 4

4.4.1 Recording

Tag (enter a tag used to identify the process group)

--

Recording Enable Source

(enter a source to enable/disable recording)

--

Primary Sample Rate

(enter the primary sampling rate required)

--

Secondary Sample Rate

(enter the secondary sampling rate required)

--

Sample Rate Select Source

(enter a source to enable switching between sample rates)

--

4.4.2 Chart

Chart View enable (✓ the box required)

Horizontal →	
Horizontal ←	
Vertical	

Chart Annotation (✓ the box required)

None	
Alarms	
Alarms & operator Messages	

Major Chart Divs	
Minor Chart Divs	

Trace Pointers (✓ the box required)

Enabled	
Disabled	

Indicators (✓ the box required)

Enabled	
Disabled	

Trace Width (✓ the box required)

1	
2	
3	

Menu Enables (✓ the box required)

Message Select	
Alarm Ack	
Scale Select	
Trace Select	
Screen Interval select	
Historical Review	
Chart annotation select	

4.4.3 Indicator

Indicator View enable (✓ the box required)

Enable	
Display	

Totalizer / Statistics display (✓ the box required)

On	
Off	

Bargraph Display (✓ the box required)

On	
Off	

Alarm Trip Points (✓ the box required)

On	
Off	

Menu Enables (✓ the box required)

Operator Message	
Totalizer Stop/Go	
Totalizer Reset	
Show Totalizer Statistics	
Alarm Acknowledge	

4.4.4 Bar

Bar Graph View enable (✓ the box required)

On	
Off	

Bar Graph Markers (✓ the box required)

No Markers	
Max & Min	
Alarm Trips	
Max, Min & Alarm Trips	

Menu Enables (✓ the box required)

Message Select	
Alarm Ack	
Max/Min Reset	

4.4.5 Batch

Batch (✓ the box required)

Enable	
Disable	

Batch Type (✓ the box required)

Standard	
Concurrent	

Batch Start/Stop
Source (std type only)

Batch Power Failure Abort (✓ the box required)

Off	
1 minute	
3 minutes	
5 minutes	
10 minutes	
20 minutes	
30 minutes	
1 hour	
2 hours	

Operator Login (✓ the box required)

Automatic	
Off	
Text	

Batch Number (✓ the box required)

Automatic	
Off	
Text	

Field 1	
Field 2	
Field 3	

4.5 Process group 5

4.5.1 Recording

Tag (enter a tag used to identify the process group)

--

Recording Enable Source

(enter a source to enable/disable recording)

--

Primary Sample Rate

(enter the primary sampling rate required)

--

Secondary Sample Rate

(enter the secondary sampling rate required)

--

Sample Rate Select Source

(enter a source to enable switching between sample rates)

--

4.5.2 Chart

Chart View enable (✓ the box required)

Horizontal →	
Horizontal ←	
Vertical	

Chart Annotation (✓ the box required)

None	
Alarms	
Alarms & operator Messages	

Major Chart Divs	
Minor Chart Divs	

Trace Pointers (✓ the box required)

Enabled	
Disabled	

Indicators (✓ the box required)

Enabled	
Disabled	

Trace Width (✓ the box required)

1	
2	
3	

Menu Enables (✓ the box required)

Message Select	
Alarm Ack	
Scale Select	
Trace Select	
Screen Interval select	
Historical Review	
Chart annotation select	

4.5.3 Indicator

Indicator View enable (✓ the box required)

Enable	
Display	

Totalizer / Statistics display (✓ the box required)

On	
Off	

Bargraph Display (✓ the box required)

On	
Off	

Alarm Trip Points (✓ the box required)

On	
Off	

Menu Enables (✓ the box required)

Operator Message	
Totalizer Stop/Go	
Totalizer Reset	
Show Totalizer Statistics	
Alarm Acknowledge	

4.5.4 Bar

Bar Graph View enable (✓ the box required)

On	
Off	

Bar Graph Markers (✓ the box required)

No Markers	
Max & Min	
Alarm Trips	
Max, Min & Alarm Trips	

Menu Enables (✓ the box required)

Message Select	
Alarm Ack	
Max/Min Reset	

4.5.5 Batch

Batch (✓ the box required)

Enable	
Disable	

Batch Type (✓ the box required)

Standard	
Concurrent	

Batch Start/Stop
Source (std type only)

Batch Power Failure Abort (✓ the box required)

Off	
1 minute	
3 minutes	
5 minutes	
10 minutes	
20 minutes	
30 minutes	
1 hour	
2 hours	

Operator Login (✓ the box required)

Automatic	
Off	
Text	

Batch Number (✓ the box required)

Automatic	
Off	
Text	

Field 1	
Field 2	
Field 3	

4.6 Process group 6

4.6.1 Recording

Tag (enter a tag used to identify the process group)

--

Recording Enable Source

(enter a source to enable/disable recording)

--

Primary Sample Rate

(enter the primary sampling rate required)

--

Secondary Sample Rate

(enter the secondary sampling rate required)

--

Sample Rate Select Source

(enter a source to enable switching between sample rates)

--

4.6.2 Chart

Chart View enable (✓ the box required)

Horizontal →	
Horizontal ←	
Vertical	

Chart Annotation (✓ the box required)

None	
Alarms	
Alarms & operator Messages	

Major Chart Divs	
Minor Chart Divs	

Trace Pointers (✓ the box required)

Enabled	
Disabled	

Indicators (✓ the box required)

Enabled	
Disabled	

Trace Width (✓ the box required)

1	
2	
3	

Menu Enables (✓ the box required)

Message Select	
Alarm Ack	
Scale Select	
Trace Select	
Screen Interval select	
Historical Review	
Chart annotation select	

4.6.3 Indicator

Indicator View enable (✓ the box required)

Enable	
Display	

Totalizer / Statistics display (✓ the box required)

On	
Off	

Bargraph Display (✓ the box required)

On	
Off	

Alarm Trip Points (✓ the box required)

On	
Off	

Menu Enables (✓ the box required)

Operator Message	
Totalizer Stop/Go	
Totalizer Reset	
Show Totalizer Statistics	
Alarm Acknowledge	

4.6.4 Bar

Bar Graph View enable (✓ the box required)

On	
Off	

Bar Graph Markers (✓ the box required)

No Markers	
Max & Min	
Alarm Trips	
Max, Min & Alarm Trips	

Menu Enables (✓ the box required)

Message Select	
Alarm Ack	
Max/Min Reset	

4.6.5 Batch

Batch (✓ the box required)

Enable	
Disable	

Batch Type (✓ the box required)

Standard	
Concurrent	

Batch Start/Stop
Source (std type only)

Batch Power Failure Abort (✓ the box required)

Off	
1 minute	
3 minutes	
5 minutes	
10 minutes	
20 minutes	
30 minutes	
1 hour	
2 hours	

Operator Login (✓ the box required)

Automatic	
Off	
Text	

Batch Number (✓ the box required)

Automatic	
Off	
Text	

Field 1	
Field 2	
Field 3	

5 Channel configuration

5.1 Channel 01

Source ID (enter the input source required)

--

Filter Type (✓ the box required)

Instantaneous	
Average	
Minimum	
Maximum	
Max & Min	

Scale Type (✓ the box required)

Linear	
Log	

**Log Scale Only* (enter the values required)

*Low	
*High	

**Numerical Display* (✓ the box required)

*Exponential	
*Standard	

Standard Only (enter the values required)

High	
Low	

Input Type (✓ the input type required)

Off	
Millivolts	
Milliamps	
Volts	
Resistance	
3-Wire RTD	
Thermocouple	
Volt Free Digital Input	
24V Digital Input	

Linearizer Type (✓ the input type required)

Linear	
B	
C	
D	
E	
J	
K	
L	
N	
R	
S	
T	
PT100	
PT1000	
Ni120	
Ni1000	
Square Root	
3/2	
5/2	
Custom Linearizer 1	
Custom Linearizer 2	

Electrical Range (enter the values required)

Low	
High	

Engineering Range and Units (enter the values required)

Low	
High	
Units	

Tag (enter the tag required – 20 characters max.)

--

Filter Time Constant (0 to 60 Seconds)

--

Fault Detect Level (enter the tolerance level required [between 0 and 100% of the engineering range])

--

Broken Sensor Direction (✓ the drive direction required)

None	
Upscale	
Downscale	

Alarm A Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm A Tag (enter the tag required – 20 characters max.)
Alarm A Trip (enter the trip point value required)
Alarm A Hysteresis (enter the hysteresis value required)
Alarm A Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm A Enable Source

(enter a source to enable/disable the alarm)

Alarm A Log Enable (✓ the setting required)

On	
Off	

Alarm Acknowledge Timeout (✓ the setting required)

On	
Off	

If **Alarm Acknowledge** on, enter time period
Alarm A Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Alarm B Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm B Tag (enter the tag required – 20 characters max.)
Alarm B Trip (enter the trip point value required)
Alarm B Hysteresis (enter the hysteresis value required)
Alarm B Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm B Enable Source

(enter a source to enable/disable the alarm)

Alarm B Log Enable (✓ the setting required)

On	
Off	

Alarm B Acknowledge Timeout (✓ the setting required)

On	
Off	

If **Alarm Acknowledge** on, enter time period
Alarm B Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Alarm C Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm C Tag (enter the tag required – 20 characters max.)
Alarm C Trip (enter the trip point value required)
Alarm C Hysteresis (enter the hysteresis value required)
Alarm C Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm C Enable Source

(enter a source to enable/disable the alarm)

Alarm C Log Enable (✓ the setting required)

On	
Off	

Alarm C Acknowledge Timeout (✓ the setting required)

On	
Off	

If **Alarm Acknowledge** on, enter time period
Alarm C Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Alarm D Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm D Tag (enter the tag required – 20 characters max.)
Alarm D Trip (enter the trip point value required)
Alarm D Hysteresis (enter the hysteresis value required)
Alarm D Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm D Enable Source

(enter a source to enable/disable the alarm)

Alarm D Log Enable (✓ the setting required)

On	
Off	

Alarm D Acknowledge Timeout (✓ the setting required)

On	
Off	

If **Alarm Acknowledge** on, enter time period
Alarm D Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Totalizer A Mode (only if totalizer option enabled)

(✓ the setting required)

Off	
Standard (7 Digit)	
Standard (9 Digit)	
F0	

Totalizer A Direction (✓ the setting required)

Count Up	
Count Down	

Totalizer A Wrap (✓ the setting required)

On	
Off	

Totalizer A Tag (enter the tag required – 20 characters max.)
Totalizer A Units (enter the units required)
Totalizer A Stop/Go Recovery (✓ the action required)

Last	
Stop	
Go	

Totalizer A Stop/Go Source (enter the source required)
Totalizer A Reset Source (enter the source required)
F0 Only (enter the values required)

Target Temperature	
Z Value	

Totalizer A Timed Reset (✓ the required days)

Off	
Monday	
Tuesday	
Wednesday	
Thursday	
Friday	
Saturday	
Sunday	
1st of the Month	

Totalizer A Time (enter the values required)

Minutes	
Hours	

Totalizer A Count Range (enter the values required)

Preset Count	
Predetermined Count	
Intermediate Count	

Totalizer A Log Update Time (✓ the setting required)

Off		15 Minutes	
5 Seconds		20 Minutes	
10 Seconds		30 Minutes	
15 Seconds		60 Minutes	
30 Seconds		2 Hours	
60 Seconds		3 Hours	
90 Seconds		4 Hours	
3 Minutes		8 Hours	
5 Minutes		12 Hours	
10 Minutes		24 Hours	

Totalizer A Log Update Source (enter the source required)
Totalizer A Count Rate (if not automatically calculated)
Totalizer A Cut Off (enter the cut off value required)
Totalizer B Mode (only if totalizer option enabled)

(✓ the setting required)

Off	
Standard (7 Digit)	
Standard (9 Digit)	
F0	

Totalizer B Direction (✓ the setting required)

Count Up	
Count Down	

Totalizer B Wrap (✓ the setting required)

On	
Off	

Totalizer B Tag (enter the tag required – 20 characters max.)
Totalizer B Units (enter the units required)
Totalizer B Stop/Go Recovery (✓ the action required)

Last	
Stop	
Go	

Totalizer B Stop/Go Source (enter the source required)
Totalizer B Reset Source (enter the source required)

F0 Only (enter the values required)

Target Temperature	
Z Value	

Totalizer B Timed Reset (✓ the required days)

Off	
Monday	
Tuesday	
Wednesday	
Thursday	
Friday	
Saturday	
Sunday	
1st of the Month	

Totalizer B Time (enter the values required)

Minutes	
Hours	

Totalizer B Count Range (enter the values required)

Preset Count	
Predetermined Count	
Intermediate Count	

Totalizer B Log Update Time (✓ the setting required)

Off		15 Minutes	
5 Seconds		20 Minutes	
10 Seconds		30 Minutes	
15 Seconds		60 Minutes	
30 Seconds		2 Hours	
60 Seconds		3 Hours	
90 Seconds		4 Hours	
3 Minutes		8 Hours	
5 Minutes		12 Hours	
10 Minutes		24 Hours	

Totalizer B Log Update Source (enter the source required)
Totalizer B Count Rate (if not automatically calculated)
Totalizer B Cut Off (enter the cut off value required)

5.2 Channel 02

Source ID (enter the input source required)
Filter Type (✓ the box required)

Instantaneous	
Average	
Minimum	
Maximum	
Max & Min	

Scale Type (✓ the box required)

Linear	
Log	

**Log Scale Only* (enter the values required)

*Low	
*High	

** Numerical Display* (✓ the box required)

*Exponential	
*Standard	

Standard Only (enter the values required)

High	
Low	

Input Type (✓ the input type required)

Off	
Millivolts	
Milliamps	
Volts	
Resistance	
3-Wire RTD	
Thermocouple	
Volt Free Digital Input	
24V Digital Input	

Linearizer Type (✓ the input type required)

Linear	
B	
C	
D	
E	
J	
K	
L	
N	
R	
S	
T	
PT100	
PT1000	
Ni120	
Ni1000	
Square Root	
3/2	
5/2	
Custom Linearizer 1	
Custom Linearizer 2	

Electrical Range (enter the values required)

Low	
High	

Engineering Range and Units (enter the values required)

Low	
High	
Units	

Tag (enter the tag required – 20 characters max.)
Filter Time Constant (0 to 60 Seconds)
Fault Detect Level (enter the tolerance level required [between 0 and 100% of the engineering range])
Broken Sensor Direction (✓ the drive direction required)

None	
Upscale	
Downscale	

Alarm A Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm A Tag (enter the tag required – 20 characters max.)
Alarm A Trip (enter the trip point value required)
Alarm A Hysteresis (enter the hysteresis value required)
Alarm A Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm A Enable Source

(enter a source to enable/disable the alarm)

Alarm A Log Enable (✓ the setting required)

On	
Off	

Alarm Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm A Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Alarm B Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm B Tag (enter the tag required – 20 characters max.)
Alarm B Trip (enter the trip point value required)
Alarm B Hysteresis (enter the hysteresis value required)
Alarm B Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm B Enable Source

(enter a source to enable/disable the alarm)

Alarm B Log Enable (✓ the setting required)

On	
Off	

Alarm B Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm B Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Alarm C Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm C Tag (enter the tag required – 20 characters max.)
Alarm C Trip (enter the trip point value required)
Alarm C Hysteresis (enter the hysteresis value required)
Alarm C Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm C Enable Source

(enter a source to enable/disable the alarm)

Alarm C Log Enable (✓ the setting required)

On	
Off	

Alarm C Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm C Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Alarm D Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm D Tag (enter the tag required – 20 characters max.)
Alarm D Trip (enter the trip point value required)
Alarm D Hysteresis (enter the hysteresis value required)
Alarm D Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm D Enable Source

(enter a source to enable/disable the alarm)

Alarm D Log Enable (✓ the setting required)

On	
Off	

Alarm D Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm D Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Totalizer A Mode (only if totalizer option enabled)

(✓ the setting required)

Off	
Standard (7 Digit)	
Standard (9 Digit)	
F0	

Totalizer A Direction (✓ the setting required)

Count Up	
Count Down	

Totalizer A Wrap (✓ the setting required)

On	
Off	

Totalizer A Tag (enter the tag required – 20 characters max.)
Totalizer A Units (enter the units required)
Totalizer A Stop/Go Recovery (✓ the action required)

Last	
Stop	
Go	

Totalizer A Stop/Go Source (enter the source required)
Totalizer A Reset Source (enter the source required)
F0 Only (enter the values required)

Target Temperature	
Z Value	

Totalizer A Timed Reset (✓ the required days)

Off	
Monday	
Tuesday	
Wednesday	
Thursday	
Friday	
Saturday	
Sunday	
1st of the Month	

Totalizer A Time (enter the values required)

Minutes	
Hours	

Totalizer A Count Range (enter the values required)

Preset Count	
Predetermined Count	
Intermediate Count	

Totalizer A Log Update Time (✓ the setting required)

Off		15 Minutes	
5 Seconds		20 Minutes	
10 Seconds		30 Minutes	
15 Seconds		60 Minutes	
30 Seconds		2 Hours	
60 Seconds		3 Hours	
90 Seconds		4 Hours	
3 Minutes		8 Hours	
5 Minutes		12 Hours	
10 Minutes		24 Hours	

Totalizer A Log Update Source (enter the source required)
Totalizer A Count Rate (if not automatically calculated)
Totalizer A Cut Off (enter the cut off value required)
Totalizer B Mode (only if totalizer option enabled)
(✓ the setting required)

Off	
Standard (7 Digit)	
Standard (9 Digit)	
F0	

Totalizer B Direction (✓ the setting required)

Count Up	
Count Down	

Totalizer B Wrap (✓ the setting required)

On	
Off	

Totalizer B Tag (enter the tag required – 20 characters max.)
Totalizer B Units (enter the units required)
Totalizer B Stop/Go Recovery (✓ the action required)

Last	
Stop	
Go	

Totalizer B Stop/Go Source (enter the source required)
Totalizer B Reset Source (enter the source required)
F0 Only (enter the values required)

Target Temperature	
Z Value	

Totalizer B Timed Reset (✓ the required days)

Off	
Monday	
Tuesday	
Wednesday	
Thursday	
Friday	
Saturday	
Sunday	
1st of the Month	

Totalizer B Time (enter the values required)

Minutes	
Hours	

Totalizer B Count Range (enter the values required)

Preset Count	
Predetermined Count	
Intermediate Count	

Totalizer B Log Update Time (✓ the setting required)

Off		15 Minutes	
5 Seconds		20 Minutes	
10 Seconds		30 Minutes	
15 Seconds		60 Minutes	
30 Seconds		2 Hours	
60 Seconds		3 Hours	
90 Seconds		4 Hours	
3 Minutes		8 Hours	
5 Minutes		12 Hours	
10 Minutes		24 Hours	

Totalizer B Log Update Source (enter the source required)
Totalizer B Count Rate (if not automatically calculated)
Totalizer B Cut Off (enter the cut off value required)

5.3 Channel 03

Source ID (enter the input source required)

--	--

Filter Type (✓ the box required)

Instantaneous	
Average	
Minimum	
Maximum	
Max & Min	

Scale Type (✓ the box required)

Linear	
Log	

**Log Scale Only* (enter the values required)

*Low	
*High	

** Numerical Display* (✓ the box required)

*Exponential	
*Standard	

Standard Only (enter the values required)

High	
Low	

Input Type (✓ the input type required)

Off	
Millivolts	
Milliamps	
Volts	
Resistance	
3-Wire RTD	
Thermocouple	
Volt Free Digital Input	
24V Digital Input	

Linearizer Type (✓ the input type required)

Linear	
B	
C	
D	
E	
J	
K	
L	
N	
R	
S	
T	
PT100	
PT1000	
Ni120	
Ni1000	
Square Root	
3/2	
5/2	
Custom Linearizer 1	
Custom Linearizer 2	

Electrical Range (enter the values required)

Low	
High	

Engineering Range and Units (enter the values required)

Low	
High	
Units	

Tag (enter the tag required – 20 characters max.)

--

Filter Time Constant (0 to 60 Seconds)

--

Fault Detect Level (enter the tolerance level required [between 0 and 100% of the engineering range])

--

Broken Sensor Direction (✓ the drive direction required)

None	
Upscale	
Downscale	

Alarm A Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm A Tag (enter the tag required – 20 characters max.)
Alarm A Trip (enter the trip point value required)
Alarm A Hysteresis (enter the hysteresis value required)
Alarm A Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm A Enable Source

(enter a source to enable/disable the alarm)

Alarm A Log Enable (✓ the setting required)

On	
Off	

Alarm Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm A Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Alarm B Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm B Tag (enter the tag required – 20 characters max.)
Alarm B Trip (enter the trip point value required)
Alarm B Hysteresis (enter the hysteresis value required)
Alarm B Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm B Enable Source

(enter a source to enable/disable the alarm)

Alarm B Log Enable (✓ the setting required)

On	
Off	

Alarm B Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm B Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Alarm C Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm C Tag (enter the tag required – 20 characters max.)
Alarm C Trip (enter the trip point value required)
Alarm C Hysteresis (enter the hysteresis value required)
Alarm C Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm C Enable Source

(enter a source to enable/disable the alarm)

Alarm C Log Enable (✓ the setting required)

On	
Off	

Alarm C Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm C Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Alarm D Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm D Tag (enter the tag required – 20 characters max.)
Alarm D Trip (enter the trip point value required)
Alarm D Hysteresis (enter the hysteresis value required)
Alarm D Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm D Enable Source

(enter a source to enable/disable the alarm)

Alarm D Log Enable (✓ the setting required)

On	
Off	

Alarm D Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm D Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Totalizer A Mode (only if totalizer option enabled)

(✓ the setting required)

Off	
Standard (7 Digit)	
Standard (9 Digit)	
F0	

Totalizer A Direction (✓ the setting required)

Count Up	
Count Down	

Totalizer A Wrap (✓ the setting required)

On	
Off	

Totalizer A Tag (enter the tag required – 20 characters max.)
Totalizer A Units (enter the units required)
Totalizer A Stop/Go Recovery (✓ the action required)

Last	
Stop	
Go	

Totalizer A Stop/Go Source (enter the source required)
Totalizer A Reset Source (enter the source required)
F0 Only (enter the values required)

Target Temperature	
Z Value	

Totalizer A Timed Reset (✓ the required days)

Off	
Monday	
Tuesday	
Wednesday	
Thursday	
Friday	
Saturday	
Sunday	
1st of the Month	

Totalizer A Time (enter the values required)

Minutes	
Hours	

Totalizer A Count Range (enter the values required)

Preset Count	
Predetermined Count	
Intermediate Count	

Totalizer A Log Update Time (✓ the setting required)

Off		15 Minutes	
5 Seconds		20 Minutes	
10 Seconds		30 Minutes	
15 Seconds		60 Minutes	
30 Seconds		2 Hours	
60 Seconds		3 Hours	
90 Seconds		4 Hours	
3 Minutes		8 Hours	
5 Minutes		12 Hours	
10 Minutes		24 Hours	

Totalizer A Log Update Source (enter the source required)
Totalizer A Count Rate (if not automatically calculated)
Totalizer A Cut Off (enter the cut off value required)
Totalizer B Mode (only if totalizer option enabled)

(✓ the setting required)

Off	
Standard (7 Digit)	
Standard (9 Digit)	
F0	

Totalizer B Direction (✓ the setting required)

Count Up	
Count Down	

Totalizer B Wrap (✓ the setting required)

On	
Off	

Totalizer B Tag (enter the tag required – 20 characters max.)
Totalizer B Units (enter the units required)
Totalizer B Stop/Go Recovery (✓ the action required)

Last	
Stop	
Go	

Totalizer B Stop/Go Source (enter the source required)
Totalizer B Reset Source (enter the source required)

F0 Only (enter the values required)

Target Temperature	
Z Value	

Totalizer B Timed Reset (✓ the required days)

Off	
Monday	
Tuesday	
Wednesday	
Thursday	
Friday	
Saturday	
Sunday	
1st of the Month	

Totalizer B Time (enter the values required)

Minutes	
Hours	

Totalizer B Count Range (enter the values required)

Preset Count	
Predetermined Count	
Intermediate Count	

Totalizer B Log Update Time (✓ the setting required)

Off		15 Minutes	
5 Seconds		20 Minutes	
10 Seconds		30 Minutes	
15 Seconds		60 Minutes	
30 Seconds		2 Hours	
60 Seconds		3 Hours	
90 Seconds		4 Hours	
3 Minutes		8 Hours	
5 Minutes		12 Hours	
10 Minutes		24 Hours	

Totalizer B Log Update Source (enter the source required)

--

Totalizer B Count Rate (if not automatically calculated)

--

Totalizer B Cut Off (enter the cut off value required)

--

5.4 Channel 04

Source ID (enter the input source required)

--

Filter Type (✓ the box required)

Instantaneous	
Average	
Minimum	
Maximum	
Max & Min	

Scale Type (✓ the box required)

Linear	
Log	

**Log Scale Only* (enter the values required)

*Low	
*High	

** Numerical Display* (✓ the box required)

*Exponential	
*Standard	

Standard Only (enter the values required)

High	
Low	

Input Type (✓ the input type required)

Off	
Millivolts	
Milliamps	
Volts	
Resistance	
3-Wire RTD	
Thermocouple	
Volt Free Digital Input	
24V Digital Input	

Linearizer Type (✓ the input type required)

Linear	
B	
C	
D	
E	
J	
K	
L	
N	
R	
S	
T	
PT100	
PT1000	
Ni120	
Ni1000	
Square Root	
3/2	
5/2	
Custom Linearizer 1	
Custom Linearizer 2	

Electrical Range (enter the values required)

Low	
High	

Engineering Range and Units (enter the values required)

Low	
High	
Units	

Tag (enter the tag required – 20 characters max.)
Filter Time Constant (0 to 60 Seconds)
Fault Detect Level (enter the tolerance level required [between 0 and 100% of the engineering range])
Broken Sensor Direction (✓ the drive direction required)

None	
Upscale	
Downscale	

Alarm A Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm A Tag (enter the tag required – 20 characters max.)
Alarm A Trip (enter the trip point value required)
Alarm A Hysteresis (enter the hysteresis value required)
Alarm A Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm A Enable Source

(enter a source to enable/disable the alarm)

Alarm A Log Enable (✓ the setting required)

On	
Off	

Alarm Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm A Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Alarm B Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm B Tag (enter the tag required – 20 characters max.)
Alarm B Trip (enter the trip point value required)
Alarm B Hysteresis (enter the hysteresis value required)
Alarm B Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm B Enable Source

(enter a source to enable/disable the alarm)

Alarm B Log Enable (✓ the setting required)

On	
Off	

Alarm B Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm B Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Alarm C Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm C Tag (enter the tag required – 20 characters max.)
Alarm C Trip (enter the trip point value required)
Alarm C Hysteresis (enter the hysteresis value required)
Alarm C Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm C Enable Source

(enter a source to enable/disable the alarm)

Alarm C Log Enable (✓ the setting required)

On	
Off	

Alarm C Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm C Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Alarm D Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm D Tag (enter the tag required – 20 characters max.)
Alarm D Trip (enter the trip point value required)
Alarm D Hysteresis (enter the hysteresis value required)
Alarm D Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm D Enable Source

(enter a source to enable/disable the alarm)

Alarm D Log Enable (✓ the setting required)

On	
Off	

Alarm D Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm D Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Totalizer A Mode (only if totalizer option enabled)

(✓ the setting required)

Off	
Standard (7 Digit)	
Standard (9 Digit)	
F0	

Totalizer A Direction (✓ the setting required)

Count Up	
Count Down	

Totalizer A Wrap (✓ the setting required)

On	
Off	

Totalizer A Tag (enter the tag required – 20 characters max.)
Totalizer A Units (enter the units required)
Totalizer A Stop/Go Recovery (✓ the action required)

Last	
Stop	
Go	

Totalizer A Stop/Go Source (enter the source required)
Totalizer A Reset Source (enter the source required)
F0 Only (enter the values required)

Target Temperature	
Z Value	

Totalizer A Timed Reset (✓ the required days)

Off	
Monday	
Tuesday	
Wednesday	
Thursday	
Friday	
Saturday	
Sunday	
1st of the Month	

Totalizer A Time (enter the values required)

Minutes	
Hours	

Totalizer A Count Range (enter the values required)

Preset Count	
Predetermined Count	
Intermediate Count	

Totalizer A Log Update Time (✓ the setting required)

Off		15 Minutes	
5 Seconds		20 Minutes	
10 Seconds		30 Minutes	
15 Seconds		60 Minutes	
30 Seconds		2 Hours	
60 Seconds		3 Hours	
90 Seconds		4 Hours	
3 Minutes		8 Hours	
5 Minutes		12 Hours	
10 Minutes		24 Hours	

Totalizer A Log Update Source (enter the source required)
Totalizer A Count Rate (if not automatically calculated)
Totalizer A Cut Off (enter the cut off value required)
Totalizer B Mode (only if totalizer option enabled)
(✓ the setting required)

Off	
Standard (7 Digit)	
Standard (9 Digit)	
F0	

Totalizer B Direction (✓ the setting required)

Count Up	
Count Down	

Totalizer B Wrap (✓ the setting required)

On	
Off	

Totalizer B Tag (enter the tag required – 20 characters max.)
Totalizer B Units (enter the units required)
Totalizer B Stop/Go Recovery (✓ the action required)

Last	
Stop	
Go	

Totalizer B Stop/Go Source (enter the source required)
Totalizer B Reset Source (enter the source required)
F0 Only (enter the values required)

Target Temperature	
Z Value	

Totalizer B Timed Reset (✓ the required days)

Off	
Monday	
Tuesday	
Wednesday	
Thursday	
Friday	
Saturday	
Sunday	
1st of the Month	

Totalizer B Time (enter the values required)

Minutes	
Hours	

Totalizer B Count Range (enter the values required)

Preset Count	
Predetermined Count	
Intermediate Count	

Totalizer B Log Update Time (✓ the setting required)

Off		15 Minutes	
5 Seconds		20 Minutes	
10 Seconds		30 Minutes	
15 Seconds		60 Minutes	
30 Seconds		2 Hours	
60 Seconds		3 Hours	
90 Seconds		4 Hours	
3 Minutes		8 Hours	
5 Minutes		12 Hours	
10 Minutes		24 Hours	

Totalizer B Log Update Source (enter the source required)
Totalizer B Count Rate (if not automatically calculated)
Totalizer B Cut Off (enter the cut off value required)

5.5 Channel 05

Source ID (enter the input source required)

--

Filter Type (✓ the box required)

Instantaneous	
Average	
Minimum	
Maximum	
Max & Min	

Scale Type (✓ the box required)

Linear	
Log	

**Log Scale Only* (enter the values required)

*Low	
*High	

** Numerical Display* (✓ the box required)

*Exponential	
*Standard	

Standard Only (enter the values required)

High	
Low	

Input Type (✓ the input type required)

Off	
Millivolts	
Milliamps	
Volts	
Resistance	
3-Wire RTD	
Thermocouple	
Volt Free Digital Input	
24V Digital Input	

Linearizer Type (✓ the input type required)

Linear	
B	
C	
D	
E	
J	
K	
L	
N	
R	
S	
T	
PT100	
PT1000	
Ni120	
Ni1000	
Square Root	
3/2	
5/2	
Custom Linearizer 1	
Custom Linearizer 2	

Electrical Range (enter the values required)

Low	
High	

Engineering Range and Units (enter the values required)

Low	
High	
Units	

Tag (enter the tag required – 20 characters max.)

--

Filter Time Constant (0 to 60 Seconds)

--

Fault Detect Level (enter the tolerance level required [between 0 and 100% of the engineering range])

--

Broken Sensor Direction (✓ the drive direction required)

None	
Upscale	
Downscale	

Alarm A Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm A Tag (enter the tag required – 20 characters max.)
Alarm A Trip (enter the trip point value required)
Alarm A Hysteresis (enter the hysteresis value required)
Alarm A Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm A Enable Source

(enter a source to enable/disable the alarm)

Alarm A Log Enable (✓ the setting required)

On	
Off	

Alarm Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm A Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Alarm B Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm B Tag (enter the tag required – 20 characters max.)
Alarm B Trip (enter the trip point value required)
Alarm B Hysteresis (enter the hysteresis value required)
Alarm B Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm B Enable Source

(enter a source to enable/disable the alarm)

Alarm B Log Enable (✓ the setting required)

On	
Off	

Alarm B Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm B Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Alarm C Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm C Tag (enter the tag required – 20 characters max.)
Alarm C Trip (enter the trip point value required)
Alarm C Hysteresis (enter the hysteresis value required)
Alarm C Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm C Enable Source

(enter a source to enable/disable the alarm)

Alarm C Log Enable (✓ the setting required)

On	
Off	

Alarm C Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm C Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Alarm D Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm D Tag (enter the tag required – 20 characters max.)
Alarm D Trip (enter the trip point value required)
Alarm D Hysteresis (enter the hysteresis value required)
Alarm D Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm D Enable Source

(enter a source to enable/disable the alarm)

Alarm D Log Enable (✓ the setting required)

On	
Off	

Alarm D Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm D Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Totalizer A Mode (only if totalizer option enabled)

(✓ the setting required)

Off	
Standard (7 Digit)	
Standard (9 Digit)	
F0	

Totalizer A Direction (✓ the setting required)

Count Up	
Count Down	

Totalizer A Wrap (✓ the setting required)

On	
Off	

Totalizer A Tag (enter the tag required – 20 characters max.)
Totalizer A Units (enter the units required)
Totalizer A Stop/Go Recovery (✓ the action required)

Last	
Stop	
Go	

Totalizer A Stop/Go Source (enter the source required)
Totalizer A Reset Source (enter the source required)
F0 Only (enter the values required)

Target Temperature	
Z Value	

Totalizer A Timed Reset (✓ the required days)

Off	
Monday	
Tuesday	
Wednesday	
Thursday	
Friday	
Saturday	
Sunday	
1st of the Month	

Totalizer A Time (enter the values required)

Minutes	
Hours	

Totalizer A Count Range (enter the values required)

Preset Count	
Predetermined Count	
Intermediate Count	

Totalizer A Log Update Time (✓ the setting required)

Off		15 Minutes	
5 Seconds		20 Minutes	
10 Seconds		30 Minutes	
15 Seconds		60 Minutes	
30 Seconds		2 Hours	
60 Seconds		3 Hours	
90 Seconds		4 Hours	
3 Minutes		8 Hours	
5 Minutes		12 Hours	
10 Minutes		24 Hours	

Totalizer A Log Update Source (enter the source required)
Totalizer A Count Rate (if not automatically calculated)
Totalizer A Cut Off (enter the cut off value required)
Totalizer B Mode (only if totalizer option enabled)

(✓ the setting required)

Off	
Standard (7 Digit)	
Standard (9 Digit)	
F0	

Totalizer B Direction (✓ the setting required)

Count Up	
Count Down	

Totalizer B Wrap (✓ the setting required)

On	
Off	

Totalizer B Tag (enter the tag required – 20 characters max.)
Totalizer B Units (enter the units required)
Totalizer B Stop/Go Recovery (✓ the action required)

Last	
Stop	
Go	

Totalizer B Stop/Go Source (enter the source required)
Totalizer B Reset Source (enter the source required)

F0 Only (enter the values required)

Target Temperature	
Z Value	

Totalizer B Timed Reset (✓ the required days)

Off	
Monday	
Tuesday	
Wednesday	
Thursday	
Friday	
Saturday	
Sunday	
1st of the Month	

Totalizer B Time (enter the values required)

Minutes	
Hours	

Totalizer B Count Range (enter the values required)

Preset Count	
Predetermined Count	
Intermediate Count	

Totalizer B Log Update Time (✓ the setting required)

Off		15 Minutes	
5 Seconds		20 Minutes	
10 Seconds		30 Minutes	
15 Seconds		60 Minutes	
30 Seconds		2 Hours	
60 Seconds		3 Hours	
90 Seconds		4 Hours	
3 Minutes		8 Hours	
5 Minutes		12 Hours	
10 Minutes		24 Hours	

Totalizer B Log Update Source (enter the source required)
Totalizer B Count Rate (if not automatically calculated)
Totalizer B Cut Off (enter the cut off value required)

5.6 Channel 06

Source ID (enter the input source required)
Filter Type (✓ the box required)

Instantaneous	
Average	
Minimum	
Maximum	
Max & Min	

Scale Type (✓ the box required)

Linear	
Log	

**Log Scale Only* (enter the values required)

*Low	
*High	

** Numerical Display* (✓ the box required)

*Exponential	
*Standard	

Standard Only (enter the values required)

High	
Low	

Input Type (✓ the input type required)

Off	
Millivolts	
Milliamps	
Volts	
Resistance	
3-Wire RTD	
Thermocouple	
Volt Free Digital Input	
24V Digital Input	

Linearizer Type (✓ the input type required)

Linear	
B	
C	
D	
E	
J	
K	
L	
N	
R	
S	
T	
PT100	
PT1000	
Ni120	
Ni1000	
Square Root	
3/2	
5/2	
Custom Linearizer 1	
Custom Linearizer 2	

Electrical Range (enter the values required)

Low	
High	

Engineering Range and Units (enter the values required)

Low	
High	
Units	

Tag (enter the tag required – 20 characters max.)
Filter Time Constant (0 to 60 Seconds)
Fault Detect Level (enter the tolerance level required [between 0 and 100% of the engineering range])
Broken Sensor Direction (✓ the drive direction required)

None	
Upscale	
Downscale	

Alarm A Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm A Tag (enter the tag required – 20 characters max.)
Alarm A Trip (enter the trip point value required)
Alarm A Hysteresis (enter the hysteresis value required)
Alarm A Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm A Enable Source

(enter a source to enable/disable the alarm)

Alarm A Log Enable (✓ the setting required)

On	
Off	

Alarm Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm A Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Alarm B Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm B Tag (enter the tag required – 20 characters max.)
Alarm B Trip (enter the trip point value required)
Alarm B Hysteresis (enter the hysteresis value required)
Alarm B Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm B Enable Source

(enter a source to enable/disable the alarm)

Alarm B Log Enable (✓ the setting required)

On	
Off	

Alarm B Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm B Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Alarm C Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm C Tag (enter the tag required – 20 characters max.)
Alarm C Trip (enter the trip point value required)
Alarm C Hysteresis (enter the hysteresis value required)
Alarm C Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm C Enable Source

(enter a source to enable/disable the alarm)

Alarm C Log Enable (✓ the setting required)

On	
Off	

Alarm C Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm C Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Alarm D Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm D Tag (enter the tag required – 20 characters max.)
Alarm D Trip (enter the trip point value required)
Alarm D Hysteresis (enter the hysteresis value required)
Alarm D Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm D Enable Source

(enter a source to enable/disable the alarm)

Alarm D Log Enable (✓ the setting required)

On	
Off	

Alarm D Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm D Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Totalizer A Mode (only if totalizer option enabled)

(✓ the setting required)

Off	
Standard (7 Digit)	
Standard (9 Digit)	
F0	

Totalizer A Direction (✓ the setting required)

Count Up	
Count Down	

Totalizer A Wrap (✓ the setting required)

On	
Off	

Totalizer A Tag (enter the tag required – 20 characters max.)
Totalizer A Units (enter the units required)
Totalizer A Stop/Go Recovery (✓ the action required)

Last	
Stop	
Go	

Totalizer A Stop/Go Source (enter the source required)
Totalizer A Reset Source (enter the source required)
F0 Only (enter the values required)

Target Temperature	
Z Value	

Totalizer A Timed Reset (✓ the required days)

Off	
Monday	
Tuesday	
Wednesday	
Thursday	
Friday	
Saturday	
Sunday	
1st of the Month	

Totalizer A Time (enter the values required)

Minutes	
Hours	

Totalizer A Count Range (enter the values required)

Preset Count	
Predetermined Count	
Intermediate Count	

Totalizer A Log Update Time (✓ the setting required)

Off		15 Minutes	
5 Seconds		20 Minutes	
10 Seconds		30 Minutes	
15 Seconds		60 Minutes	
30 Seconds		2 Hours	
60 Seconds		3 Hours	
90 Seconds		4 Hours	
3 Minutes		8 Hours	
5 Minutes		12 Hours	
10 Minutes		24 Hours	

Totalizer A Log Update Source (enter the source required)
Totalizer A Count Rate (if not automatically calculated)
Totalizer A Cut Off (enter the cut off value required)
Totalizer B Mode (only if totalizer option enabled)
(✓ the setting required)

Off	
Standard (7 Digit)	
Standard (9 Digit)	
F0	

Totalizer B Direction (✓ the setting required)

Count Up	
Count Down	

Totalizer B Wrap (✓ the setting required)

On	
Off	

Totalizer B Tag (enter the tag required – 20 characters max.)
Totalizer B Units (enter the units required)
Totalizer B Stop/Go Recovery (✓ the action required)

Last	
Stop	
Go	

Totalizer B Stop/Go Source (enter the source required)
Totalizer B Reset Source (enter the source required)
F0 Only (enter the values required)

Target Temperature	
Z Value	

Totalizer B Timed Reset (✓ the required days)

Off	
Monday	
Tuesday	
Wednesday	
Thursday	
Friday	
Saturday	
Sunday	
1st of the Month	

Totalizer B Time (enter the values required)

Minutes	
Hours	

Totalizer B Count Range (enter the values required)

Preset Count	
Predetermined Count	
Intermediate Count	

Totalizer B Log Update Time (✓ the setting required)

Off		15 Minutes	
5 Seconds		20 Minutes	
10 Seconds		30 Minutes	
15 Seconds		60 Minutes	
30 Seconds		2 Hours	
60 Seconds		3 Hours	
90 Seconds		4 Hours	
3 Minutes		8 Hours	
5 Minutes		12 Hours	
10 Minutes		24 Hours	

Totalizer B Log Update Source (enter the source required)
Totalizer B Count Rate (if not automatically calculated)
Totalizer B Cut Off (enter the cut off value required)

5.7 Channel 07

Source ID (enter the input source required)

--

Filter Type (✓ the box required)

Instantaneous	
Average	
Minimum	
Maximum	
Max & Min	

Scale Type (✓ the box required)

Linear	
Log	

**Log Scale Only* (enter the values required)

*Low	
*High	

** Numerical Display* (✓ the box required)

*Exponential	
*Standard	

Standard Only (enter the values required)

High	
Low	

Input Type (✓ the input type required)

Off	
Millivolts	
Milliamps	
Volts	
Resistance	
3-Wire RTD	
Thermocouple	
Volt Free Digital Input	
24V Digital Input	

Linearizer Type (✓ the input type required)

Linear	
B	
C	
D	
E	
J	
K	
L	
N	
R	
S	
T	
PT100	
PT1000	
Ni120	
Ni1000	
Square Root	
3/2	
5/2	
Custom Linearizer 1	
Custom Linearizer 2	

Electrical Range (enter the values required)

Low	
High	

Engineering Range and Units (enter the values required)

Low	
High	
Units	

Tag (enter the tag required – 20 characters max.)

--

Filter Time Constant (0 to 60 Seconds)

--

Fault Detect Level (enter the tolerance level required [between 0 and 100% of the engineering range])

--

Broken Sensor Direction (✓ the drive direction required)

None	
Upscale	
Downscale	

Alarm A Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm A Tag (enter the tag required – 20 characters max.)
Alarm A Trip (enter the trip point value required)
Alarm A Hysteresis (enter the hysteresis value required)
Alarm A Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm A Enable Source

(enter a source to enable/disable the alarm)

Alarm A Log Enable (✓ the setting required)

On	
Off	

Alarm Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm A Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Alarm B Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm B Tag (enter the tag required – 20 characters max.)
Alarm B Trip (enter the trip point value required)
Alarm B Hysteresis (enter the hysteresis value required)
Alarm B Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm B Enable Source

(enter a source to enable/disable the alarm)

Alarm B Log Enable (✓ the setting required)

On	
Off	

Alarm B Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm B Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Alarm C Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm C Tag (enter the tag required – 20 characters max.)
Alarm C Trip (enter the trip point value required)
Alarm C Hysteresis (enter the hysteresis value required)
Alarm C Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm C Enable Source

(enter a source to enable/disable the alarm)

Alarm C Log Enable (✓ the setting required)

On	
Off	

Alarm C Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm C Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Alarm D Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm D Tag (enter the tag required – 20 characters max.)
Alarm D Trip (enter the trip point value required)
Alarm D Hysteresis (enter the hysteresis value required)
Alarm D Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm D Enable Source

(enter a source to enable/disable the alarm)

Alarm D Log Enable (✓ the setting required)

On	
Off	

Alarm D Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm D Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Totalizer A Mode (only if totalizer option enabled)

(✓ the setting required)

Off	
Standard (7 Digit)	
Standard (9 Digit)	
F0	

Totalizer A Direction (✓ the setting required)

Count Up	
Count Down	

Totalizer A Wrap (✓ the setting required)

On	
Off	

Totalizer A Tag (enter the tag required – 20 characters max.)
Totalizer A Units (enter the units required)
Totalizer A Stop/Go Recovery (✓ the action required)

Last	
Stop	
Go	

Totalizer A Stop/Go Source (enter the source required)
Totalizer A Reset Source (enter the source required)
F0 Only (enter the values required)

Target Temperature	
Z Value	

Totalizer A Timed Reset (✓ the required days)

Off	
Monday	
Tuesday	
Wednesday	
Thursday	
Friday	
Saturday	
Sunday	
1st of the Month	

Totalizer A Time (enter the values required)

Minutes	
Hours	

Totalizer A Count Range (enter the values required)

Preset Count	
Predetermined Count	
Intermediate Count	

Totalizer A Log Update Time (✓ the setting required)

Off		15 Minutes	
5 Seconds		20 Minutes	
10 Seconds		30 Minutes	
15 Seconds		60 Minutes	
30 Seconds		2 Hours	
60 Seconds		3 Hours	
90 Seconds		4 Hours	
3 Minutes		8 Hours	
5 Minutes		12 Hours	
10 Minutes		24 Hours	

Totalizer A Log Update Source (enter the source required)
Totalizer A Count Rate (if not automatically calculated)
Totalizer A Cut Off (enter the cut off value required)
Totalizer B Mode (only if totalizer option enabled)

(✓ the setting required)

Off	
Standard (7 Digit)	
Standard (9 Digit)	
F0	

Totalizer B Direction (✓ the setting required)

Count Up	
Count Down	

Totalizer B Wrap (✓ the setting required)

On	
Off	

Totalizer B Tag (enter the tag required – 20 characters max.)
Totalizer B Units (enter the units required)
Totalizer B Stop/Go Recovery (✓ the action required)

Last	
Stop	
Go	

Totalizer B Stop/Go Source (enter the source required)
Totalizer B Reset Source (enter the source required)

F0 Only (enter the values required)

Target Temperature	
Z Value	

Totalizer B Timed Reset (✓ the required days)

Off	
Monday	
Tuesday	
Wednesday	
Thursday	
Friday	
Saturday	
Sunday	
1st of the Month	

Totalizer B Time (enter the values required)

Minutes	
Hours	

Totalizer B Count Range (enter the values required)

Preset Count	
Predetermined Count	
Intermediate Count	

Totalizer B Log Update Time (✓ the setting required)

Off		15 Minutes	
5 Seconds		20 Minutes	
10 Seconds		30 Minutes	
15 Seconds		60 Minutes	
30 Seconds		2 Hours	
60 Seconds		3 Hours	
90 Seconds		4 Hours	
3 Minutes		8 Hours	
5 Minutes		12 Hours	
10 Minutes		24 Hours	

Totalizer B Log Update Source (enter the source required)
Totalizer B Count Rate (if not automatically calculated)
Totalizer B Cut Off (enter the cut off value required)

5.8 Channel 08

Source ID (enter the input source required)
Filter Type (✓ the box required)

Instantaneous	
Average	
Minimum	
Maximum	
Max & Min	

Scale Type (✓ the box required)

Linear	
Log	

**Log Scale Only* (enter the values required)

*Low	
*High	

** Numerical Display* (✓ the box required)

*Exponential	
*Standard	

Standard Only (enter the values required)

High	
Low	

Input Type (✓ the input type required)

Off	
Millivolts	
Milliamps	
Volts	
Resistance	
3-Wire RTD	
Thermocouple	
Volt Free Digital Input	
24V Digital Input	

Linearizer Type (✓ the input type required)

Linear	
B	
C	
D	
E	
J	
K	
L	
N	
R	
S	
T	
PT100	
PT1000	
Ni120	
Ni1000	
Square Root	
3/2	
5/2	
Custom Linearizer 1	
Custom Linearizer 2	

Electrical Range (enter the values required)

Low	
High	

Engineering Range and Units (enter the values required)

Low	
High	
Units	

Tag (enter the tag required – 20 characters max.)
Filter Time Constant (0 to 60 Seconds)
Fault Detect Level (enter the tolerance level required [between 0 and 100% of the engineering range])
Broken Sensor Direction (✓ the drive direction required)

None	
Upscale	
Downscale	

Alarm A Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm A Tag (enter the tag required – 20 characters max.)
Alarm A Trip (enter the trip point value required)
Alarm A Hysteresis (enter the hysteresis value required)
Alarm A Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm A Enable Source

(enter a source to enable/disable the alarm)

Alarm A Log Enable (✓ the setting required)

On	
Off	

Alarm Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm A Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Alarm B Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm B Tag (enter the tag required – 20 characters max.)
Alarm B Trip (enter the trip point value required)
Alarm B Hysteresis (enter the hysteresis value required)
Alarm B Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm B Enable Source

(enter a source to enable/disable the alarm)

Alarm B Log Enable (✓ the setting required)

On	
Off	

Alarm B Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm B Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Alarm C Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm C Tag (enter the tag required – 20 characters max.)
Alarm C Trip (enter the trip point value required)
Alarm C Hysteresis (enter the hysteresis value required)
Alarm C Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm C Enable Source

(enter a source to enable/disable the alarm)

Alarm C Log Enable (✓ the setting required)

On	
Off	

Alarm C Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm C Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Alarm D Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm D Tag (enter the tag required – 20 characters max.)
Alarm D Trip (enter the trip point value required)
Alarm D Hysteresis (enter the hysteresis value required)
Alarm D Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm D Enable Source

(enter a source to enable/disable the alarm)

Alarm D Log Enable (✓ the setting required)

On	
Off	

Alarm D Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm D Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Totalizer A Mode (only if totalizer option enabled)

(✓ the setting required)

Off	
Standard (7 Digit)	
Standard (9 Digit)	
F0	

Totalizer A Direction (✓ the setting required)

Count Up	
Count Down	

Totalizer A Wrap (✓ the setting required)

On	
Off	

Totalizer A Tag (enter the tag required – 20 characters max.)
Totalizer A Units (enter the units required)
Totalizer A Stop/Go Recovery (✓ the action required)

Last	
Stop	
Go	

Totalizer A Stop/Go Source (enter the source required)
Totalizer A Reset Source (enter the source required)
F0 Only (enter the values required)

Target Temperature	
Z Value	

Totalizer A Timed Reset (✓ the required days)

Off	
Monday	
Tuesday	
Wednesday	
Thursday	
Friday	
Saturday	
Sunday	
1st of the Month	

Totalizer A Time (enter the values required)

Minutes	
Hours	

Totalizer A Count Range (enter the values required)

Preset Count	
Predetermined Count	
Intermediate Count	

Totalizer A Log Update Time (✓ the setting required)

Off		15 Minutes	
5 Seconds		20 Minutes	
10 Seconds		30 Minutes	
15 Seconds		60 Minutes	
30 Seconds		2 Hours	
60 Seconds		3 Hours	
90 Seconds		4 Hours	
3 Minutes		8 Hours	
5 Minutes		12 Hours	
10 Minutes		24 Hours	

Totalizer A Log Update Source (enter the source required)
Totalizer A Count Rate (if not automatically calculated)
Totalizer A Cut Off (enter the cut off value required)
Totalizer B Mode (only if totalizer option enabled)
(✓ the setting required)

Off	
Standard (7 Digit)	
Standard (9 Digit)	
F0	

Totalizer B Direction (✓ the setting required)

Count Up	
Count Down	

Totalizer B Wrap (✓ the setting required)

On	
Off	

Totalizer B Tag (enter the tag required – 20 characters max.)
Totalizer B Units (enter the units required)
Totalizer B Stop/Go Recovery (✓ the action required)

Last	
Stop	
Go	

Totalizer B Stop/Go Source (enter the source required)
Totalizer B Reset Source (enter the source required)
F0 Only (enter the values required)

Target Temperature	
Z Value	

Totalizer B Timed Reset (✓ the required days)

Off	
Monday	
Tuesday	
Wednesday	
Thursday	
Friday	
Saturday	
Sunday	
1st of the Month	

Totalizer B Time (enter the values required)

Minutes	
Hours	

Totalizer B Count Range (enter the values required)

Preset Count	
Predetermined Count	
Intermediate Count	

Totalizer B Log Update Time (✓ the setting required)

Off		15 Minutes	
5 Seconds		20 Minutes	
10 Seconds		30 Minutes	
15 Seconds		60 Minutes	
30 Seconds		2 Hours	
60 Seconds		3 Hours	
90 Seconds		4 Hours	
3 Minutes		8 Hours	
5 Minutes		12 Hours	
10 Minutes		24 Hours	

Totalizer B Log Update Source (enter the source required)
Totalizer B Count Rate (if not automatically calculated)
Totalizer B Cut Off (enter the cut off value required)

5.9 Channel 09

Source ID (enter the input source required)

--

Filter Type (✓ the box required)

Instantaneous	
Average	
Minimum	
Maximum	
Max & Min	

Scale Type (✓ the box required)

Linear	
Log	

**Log Scale Only* (enter the values required)

*Low	
*High	

** Numerical Display* (✓ the box required)

*Exponential	
*Standard	

Standard Only (enter the values required)

High	
Low	

Input Type (✓ the input type required)

Off	
Millivolts	
Milliamps	
Volts	
Resistance	
3-Wire RTD	
Thermocouple	
Volt Free Digital Input	
24V Digital Input	

Linearizer Type (✓ the input type required)

Linear	
B	
C	
D	
E	
J	
K	
L	
N	
R	
S	
T	
PT100	
PT1000	
Ni120	
Ni1000	
Square Root	
3/2	
5/2	
Custom Linearizer 1	
Custom Linearizer 2	

Electrical Range (enter the values required)

Low	
High	

Engineering Range and Units (enter the values required)

Low	
High	
Units	

Tag (enter the tag required – 20 characters max.)

--

Filter Time Constant (0 to 60 Seconds)

--

Fault Detect Level (enter the tolerance level required [between 0 and 100% of the engineering range])

--

Broken Sensor Direction (✓ the drive direction required)

None	
Upscale	
Downscale	

Alarm A Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm A Tag (enter the tag required – 20 characters max.)
Alarm A Trip (enter the trip point value required)
Alarm A Hysteresis (enter the hysteresis value required)
Alarm A Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm A Enable Source

(enter a source to enable/disable the alarm)

Alarm A Log Enable (✓ the setting required)

On	
Off	

Alarm Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm A Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Alarm B Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm B Tag (enter the tag required – 20 characters max.)
Alarm B Trip (enter the trip point value required)
Alarm B Hysteresis (enter the hysteresis value required)
Alarm B Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm B Enable Source

(enter a source to enable/disable the alarm)

Alarm B Log Enable (✓ the setting required)

On	
Off	

Alarm B Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm B Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Alarm C Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm C Tag (enter the tag required – 20 characters max.)
Alarm C Trip (enter the trip point value required)
Alarm C Hysteresis (enter the hysteresis value required)
Alarm C Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm C Enable Source

(enter a source to enable/disable the alarm)

Alarm C Log Enable (✓ the setting required)

On	
Off	

Alarm C Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm C Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Alarm D Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm D Tag (enter the tag required – 20 characters max.)
Alarm D Trip (enter the trip point value required)
Alarm D Hysteresis (enter the hysteresis value required)
Alarm D Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm D Enable Source

(enter a source to enable/disable the alarm)

Alarm D Log Enable (✓ the setting required)

On	
Off	

Alarm D Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm D Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Totalizer A Mode (only if totalizer option enabled)

(✓ the setting required)

Off	
Standard (7 Digit)	
Standard (9 Digit)	
F0	

Totalizer A Direction (✓ the setting required)

Count Up	
Count Down	

Totalizer A Wrap (✓ the setting required)

On	
Off	

Totalizer A Tag (enter the tag required – 20 characters max.)
Totalizer A Units (enter the units required)
Totalizer A Stop/Go Recovery (✓ the action required)

Last	
Stop	
Go	

Totalizer A Stop/Go Source (enter the source required)
Totalizer A Reset Source (enter the source required)
F0 Only (enter the values required)

Target Temperature	
Z Value	

Totalizer A Timed Reset (✓ the required days)

Off	
Monday	
Tuesday	
Wednesday	
Thursday	
Friday	
Saturday	
Sunday	
1st of the Month	

Totalizer A Time (enter the values required)

Minutes	
Hours	

Totalizer A Count Range (enter the values required)

Preset Count	
Predetermined Count	
Intermediate Count	

Totalizer A Log Update Time (✓ the setting required)

Off		15 Minutes	
5 Seconds		20 Minutes	
10 Seconds		30 Minutes	
15 Seconds		60 Minutes	
30 Seconds		2 Hours	
60 Seconds		3 Hours	
90 Seconds		4 Hours	
3 Minutes		8 Hours	
5 Minutes		12 Hours	
10 Minutes		24 Hours	

Totalizer A Log Update Source (enter the source required)
Totalizer A Count Rate (if not automatically calculated)
Totalizer A Cut Off (enter the cut off value required)
Totalizer B Mode (only if totalizer option enabled)

(✓ the setting required)

Off	
Standard (7 Digit)	
Standard (9 Digit)	
F0	

Totalizer B Direction (✓ the setting required)

Count Up	
Count Down	

Totalizer B Wrap (✓ the setting required)

On	
Off	

Totalizer B Tag (enter the tag required – 20 characters max.)
Totalizer B Units (enter the units required)
Totalizer B Stop/Go Recovery (✓ the action required)

Last	
Stop	
Go	

Totalizer B Stop/Go Source (enter the source required)
Totalizer B Reset Source (enter the source required)

F0 Only (enter the values required)

Target Temperature	
Z Value	

Totalizer B Timed Reset (✓ the required days)

Off	
Monday	
Tuesday	
Wednesday	
Thursday	
Friday	
Saturday	
Sunday	
1st of the Month	

Totalizer B Time (enter the values required)

Minutes	
Hours	

Totalizer B Count Range (enter the values required)

Preset Count	
Predetermined Count	
Intermediate Count	

Totalizer B Log Update Time (✓ the setting required)

Off		15 Minutes	
5 Seconds		20 Minutes	
10 Seconds		30 Minutes	
15 Seconds		60 Minutes	
30 Seconds		2 Hours	
60 Seconds		3 Hours	
90 Seconds		4 Hours	
3 Minutes		8 Hours	
5 Minutes		12 Hours	
10 Minutes		24 Hours	

Totalizer B Log Update Source (enter the source required)
Totalizer B Count Rate (if not automatically calculated)
Totalizer B Cut Off (enter the cut off value required)

5.10 Channel 10

Source ID (enter the input source required)
Filter Type (✓ the box required)

Instantaneous	
Average	
Minimum	
Maximum	
Max & Min	

Scale Type (✓ the box required)

Linear	
Log	

**Log Scale Only* (enter the values required)

*Low	
*High	

** Numerical Display* (✓ the box required)

*Exponential	
*Standard	

Standard Only (enter the values required)

High	
Low	

Input Type (✓ the input type required)

Off	
Millivolts	
Milliamps	
Volts	
Resistance	
3-Wire RTD	
Thermocouple	
Volt Free Digital Input	
24V Digital Input	

Linearizer Type (✓ the input type required)

Linear	
B	
C	
D	
E	
J	
K	
L	
N	
R	
S	
T	
PT100	
PT1000	
Ni120	
Ni1000	
Square Root	
3/2	
5/2	
Custom Linearizer 1	
Custom Linearizer 2	

Electrical Range (enter the values required)

Low	
High	

Engineering Range and Units (enter the values required)

Low	
High	
Units	

Tag (enter the tag required – 20 characters max.)
Filter Time Constant (0 to 60 Seconds)
Fault Detect Level (enter the tolerance level required [between 0 and 100% of the engineering range])
Broken Sensor Direction (✓ the drive direction required)

None	
Upscale	
Downscale	

Alarm A Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm A Tag (enter the tag required – 20 characters max.)
Alarm A Trip (enter the trip point value required)
Alarm A Hysteresis (enter the hysteresis value required)
Alarm A Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm A Enable Source

(enter a source to enable/disable the alarm)

Alarm A Log Enable (✓ the setting required)

On	
Off	

Alarm Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm A Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Alarm B Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm B Tag (enter the tag required – 20 characters max.)
Alarm B Trip (enter the trip point value required)
Alarm B Hysteresis (enter the hysteresis value required)
Alarm B Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm B Enable Source

(enter a source to enable/disable the alarm)

Alarm B Log Enable (✓ the setting required)

On	
Off	

Alarm B Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm B Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Alarm C Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm C Tag (enter the tag required – 20 characters max.)
Alarm C Trip (enter the trip point value required)
Alarm C Hysteresis (enter the hysteresis value required)
Alarm C Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm C Enable Source

(enter a source to enable/disable the alarm)

Alarm C Log Enable (✓ the setting required)

On	
Off	

Alarm C Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm C Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Alarm D Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm D Tag (enter the tag required – 20 characters max.)
Alarm D Trip (enter the trip point value required)
Alarm D Hysteresis (enter the hysteresis value required)
Alarm D Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm D Enable Source

(enter a source to enable/disable the alarm)

Alarm D Log Enable (✓ the setting required)

On	
Off	

Alarm D Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm D Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Totalizer A Mode (only if totalizer option enabled)

(✓ the setting required)

Off	
Standard (7 Digit)	
Standard (9 Digit)	
F0	

Totalizer A Direction (✓ the setting required)

Count Up	
Count Down	

Totalizer A Wrap (✓ the setting required)

On	
Off	

Totalizer A Tag (enter the tag required – 20 characters max.)
Totalizer A Units (enter the units required)
Totalizer A Stop/Go Recovery (✓ the action required)

Last	
Stop	
Go	

Totalizer A Stop/Go Source (enter the source required)
Totalizer A Reset Source (enter the source required)
F0 Only (enter the values required)

Target Temperature	
Z Value	

Totalizer A Timed Reset (✓ the required days)

Off	
Monday	
Tuesday	
Wednesday	
Thursday	
Friday	
Saturday	
Sunday	
1st of the Month	

Totalizer A Time (enter the values required)

Minutes	
Hours	

Totalizer A Count Range (enter the values required)

Preset Count	
Predetermined Count	
Intermediate Count	

Totalizer A Log Update Time (✓ the setting required)

Off		15 Minutes	
5 Seconds		20 Minutes	
10 Seconds		30 Minutes	
15 Seconds		60 Minutes	
30 Seconds		2 Hours	
60 Seconds		3 Hours	
90 Seconds		4 Hours	
3 Minutes		8 Hours	
5 Minutes		12 Hours	
10 Minutes		24 Hours	

Totalizer A Log Update Source (enter the source required)
Totalizer A Count Rate (if not automatically calculated)
Totalizer A Cut Off (enter the cut off value required)
Totalizer B Mode (only if totalizer option enabled)
(✓ the setting required)

Off	
Standard (7 Digit)	
Standard (9 Digit)	
F0	

Totalizer B Direction (✓ the setting required)

Count Up	
Count Down	

Totalizer B Wrap (✓ the setting required)

On	
Off	

Totalizer B Tag (enter the tag required – 20 characters max.)
Totalizer B Units (enter the units required)
Totalizer B Stop/Go Recovery (✓ the action required)

Last	
Stop	
Go	

Totalizer B Stop/Go Source (enter the source required)
Totalizer B Reset Source (enter the source required)
F0 Only (enter the values required)

Target Temperature	
Z Value	

Totalizer B Timed Reset (✓ the required days)

Off	
Monday	
Tuesday	
Wednesday	
Thursday	
Friday	
Saturday	
Sunday	
1st of the Month	

Totalizer B Time (enter the values required)

Minutes	
Hours	

Totalizer B Count Range (enter the values required)

Preset Count	
Predetermined Count	
Intermediate Count	

Totalizer B Log Update Time (✓ the setting required)

Off		15 Minutes	
5 Seconds		20 Minutes	
10 Seconds		30 Minutes	
15 Seconds		60 Minutes	
30 Seconds		2 Hours	
60 Seconds		3 Hours	
90 Seconds		4 Hours	
3 Minutes		8 Hours	
5 Minutes		12 Hours	
10 Minutes		24 Hours	

Totalizer B Log Update Source (enter the source required)
Totalizer B Count Rate (if not automatically calculated)
Totalizer B Cut Off (enter the cut off value required)

5.11 Channel 11

Source ID (enter the input source required)

--	--

Filter Type (✓ the box required)

Instantaneous	
Average	
Minimum	
Maximum	
Max & Min	

Scale Type (✓ the box required)

Linear	
Log	

**Log Scale Only* (enter the values required)

*Low	
*High	

** Numerical Display* (✓ the box required)

*Exponential	
*Standard	

Standard Only (enter the values required)

High	
Low	

Input Type (✓ the input type required)

Off	
Millivolts	
Milliamps	
Volts	
Resistance	
3-Wire RTD	
Thermocouple	
Volt Free Digital Input	
24V Digital Input	

Linearizer Type (✓ the input type required)

Linear	
B	
C	
D	
E	
J	
K	
L	
N	
R	
S	
T	
PT100	
PT1000	
Ni120	
Ni1000	
Square Root	
3/2	
5/2	
Custom Linearizer 1	
Custom Linearizer 2	

Electrical Range (enter the values required)

Low	
High	

Engineering Range and Units (enter the values required)

Low	
High	
Units	

Tag (enter the tag required – 20 characters max.)

--

Filter Time Constant (0 to 60 Seconds)

--

Fault Detect Level (enter the tolerance level required [between 0 and 100% of the engineering range])

--

Broken Sensor Direction (✓ the drive direction required)

None	
Upscale	
Downscale	

Alarm A Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm A Tag (enter the tag required – 20 characters max.)
Alarm A Trip (enter the trip point value required)
Alarm A Hysteresis (enter the hysteresis value required)
Alarm A Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm A Enable Source

(enter a source to enable/disable the alarm)

Alarm A Log Enable (✓ the setting required)

On	
Off	

Alarm Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm A Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Alarm B Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm B Tag (enter the tag required – 20 characters max.)
Alarm B Trip (enter the trip point value required)
Alarm B Hysteresis (enter the hysteresis value required)
Alarm B Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm B Enable Source

(enter a source to enable/disable the alarm)

Alarm B Log Enable (✓ the setting required)

On	
Off	

Alarm B Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm B Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Alarm C Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm C Tag (enter the tag required – 20 characters max.)
Alarm C Trip (enter the trip point value required)
Alarm C Hysteresis (enter the hysteresis value required)
Alarm C Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm C Enable Source

(enter a source to enable/disable the alarm)

Alarm C Log Enable (✓ the setting required)

On	
Off	

Alarm C Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm C Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Alarm D Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm D Tag (enter the tag required – 20 characters max.)
Alarm D Trip (enter the trip point value required)
Alarm D Hysteresis (enter the hysteresis value required)
Alarm D Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm D Enable Source

(enter a source to enable/disable the alarm)

Alarm D Log Enable (✓ the setting required)

On	
Off	

Alarm D Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm D Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Totalizer A Mode (only if totalizer option enabled)

(✓ the setting required)

Off	
Standard (7 Digit)	
Standard (9 Digit)	
F0	

Totalizer A Direction (✓ the setting required)

Count Up	
Count Down	

Totalizer A Wrap (✓ the setting required)

On	
Off	

Totalizer A Tag (enter the tag required – 20 characters max.)
Totalizer A Units (enter the units required)
Totalizer A Stop/Go Recovery (✓ the action required)

Last	
Stop	
Go	

Totalizer A Stop/Go Source (enter the source required)
Totalizer A Reset Source (enter the source required)
F0 Only (enter the values required)

Target Temperature	
Z Value	

Totalizer A Timed Reset (✓ the required days)

Off	
Monday	
Tuesday	
Wednesday	
Thursday	
Friday	
Saturday	
Sunday	
1st of the Month	

Totalizer A Time (enter the values required)

Minutes	
Hours	

Totalizer A Count Range (enter the values required)

Preset Count	
Predetermined Count	
Intermediate Count	

Totalizer A Log Update Time (✓ the setting required)

Off		15 Minutes	
5 Seconds		20 Minutes	
10 Seconds		30 Minutes	
15 Seconds		60 Minutes	
30 Seconds		2 Hours	
60 Seconds		3 Hours	
90 Seconds		4 Hours	
3 Minutes		8 Hours	
5 Minutes		12 Hours	
10 Minutes		24 Hours	

Totalizer A Log Update Source (enter the source required)
Totalizer A Count Rate (if not automatically calculated)
Totalizer A Cut Off (enter the cut off value required)
Totalizer B Mode (only if totalizer option enabled)

(✓ the setting required)

Off	
Standard (7 Digit)	
Standard (9 Digit)	
F0	

Totalizer B Direction (✓ the setting required)

Count Up	
Count Down	

Totalizer B Wrap (✓ the setting required)

On	
Off	

Totalizer B Tag (enter the tag required – 20 characters max.)
Totalizer B Units (enter the units required)
Totalizer B Stop/Go Recovery (✓ the action required)

Last	
Stop	
Go	

Totalizer B Stop/Go Source (enter the source required)
Totalizer B Reset Source (enter the source required)

F0 Only (enter the values required)

Target Temperature	
Z Value	

Totalizer B Timed Reset (✓ the required days)

Off	
Monday	
Tuesday	
Wednesday	
Thursday	
Friday	
Saturday	
Sunday	
1st of the Month	

Totalizer B Time (enter the values required)

Minutes	
Hours	

Totalizer B Count Range (enter the values required)

Preset Count	
Predetermined Count	
Intermediate Count	

Totalizer B Log Update Time (✓ the setting required)

Off		15 Minutes	
5 Seconds		20 Minutes	
10 Seconds		30 Minutes	
15 Seconds		60 Minutes	
30 Seconds		2 Hours	
60 Seconds		3 Hours	
90 Seconds		4 Hours	
3 Minutes		8 Hours	
5 Minutes		12 Hours	
10 Minutes		24 Hours	

Totalizer B Log Update Source (enter the source required)
Totalizer B Count Rate (if not automatically calculated)
Totalizer B Cut Off (enter the cut off value required)

5.12 Channel 12

Source ID (enter the input source required)
Filter Type (✓ the box required)

Instantaneous	
Average	
Minimum	
Maximum	
Max & Min	

Scale Type (✓ the box required)

Linear	
Log	

**Log Scale Only* (enter the values required)

*Low	
*High	

** Numerical Display* (✓ the box required)

*Exponential	
*Standard	

Standard Only (enter the values required)

High	
Low	

Input Type (✓ the input type required)

Off	
Millivolts	
Milliamps	
Volts	
Resistance	
3-Wire RTD	
Thermocouple	
Volt Free Digital Input	
24V Digital Input	

Linearizer Type (✓ the input type required)

Linear	
B	
C	
D	
E	
J	
K	
L	
N	
R	
S	
T	
PT100	
PT1000	
Ni120	
Ni1000	
Square Root	
3/2	
5/2	
Custom Linearizer 1	
Custom Linearizer 2	

Electrical Range (enter the values required)

Low	
High	

Engineering Range and Units (enter the values required)

Low	
High	
Units	

Tag (enter the tag required – 20 characters max.)
Filter Time Constant (0 to 60 Seconds)
Fault Detect Level (enter the tolerance level required [between 0 and 100% of the engineering range])
Broken Sensor Direction (✓ the drive direction required)

None	
Upscale	
Downscale	

Alarm A Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm A Tag (enter the tag required – 20 characters max.)
Alarm A Trip (enter the trip point value required)
Alarm A Hysteresis (enter the hysteresis value required)
Alarm A Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm A Enable Source

(enter a source to enable/disable the alarm)

Alarm A Log Enable (✓ the setting required)

On	
Off	

Alarm Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm A Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Alarm B Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm B Tag (enter the tag required – 20 characters max.)
Alarm B Trip (enter the trip point value required)
Alarm B Hysteresis (enter the hysteresis value required)
Alarm B Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm B Enable Source

(enter a source to enable/disable the alarm)

Alarm B Log Enable (✓ the setting required)

On	
Off	

Alarm B Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm B Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Alarm C Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm C Tag (enter the tag required – 20 characters max.)
Alarm C Trip (enter the trip point value required)
Alarm C Hysteresis (enter the hysteresis value required)
Alarm C Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm C Enable Source

(enter a source to enable/disable the alarm)

Alarm C Log Enable (✓ the setting required)

On	
Off	

Alarm C Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm C Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Alarm D Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm D Tag (enter the tag required – 20 characters max.)
Alarm D Trip (enter the trip point value required)
Alarm D Hysteresis (enter the hysteresis value required)
Alarm D Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm D Enable Source

(enter a source to enable/disable the alarm)

Alarm D Log Enable (✓ the setting required)

On	
Off	

Alarm D Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm D Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Totalizer A Mode (only if totalizer option enabled)

(✓ the setting required)

Off	
Standard (7 Digit)	
Standard (9 Digit)	
F0	

Totalizer A Direction (✓ the setting required)

Count Up	
Count Down	

Totalizer A Wrap (✓ the setting required)

On	
Off	

Totalizer A Tag (enter the tag required – 20 characters max.)
Totalizer A Units (enter the units required)
Totalizer A Stop/Go Recovery (✓ the action required)

Last	
Stop	
Go	

Totalizer A Stop/Go Source (enter the source required)
Totalizer A Reset Source (enter the source required)
F0 Only (enter the values required)

Target Temperature	
Z Value	

Totalizer A Timed Reset (✓ the required days)

Off	
Monday	
Tuesday	
Wednesday	
Thursday	
Friday	
Saturday	
Sunday	
1st of the Month	

Totalizer A Time (enter the values required)

Minutes	
Hours	

Totalizer A Count Range (enter the values required)

Preset Count	
Predetermined Count	
Intermediate Count	

Totalizer A Log Update Time (✓ the setting required)

Off		15 Minutes	
5 Seconds		20 Minutes	
10 Seconds		30 Minutes	
15 Seconds		60 Minutes	
30 Seconds		2 Hours	
60 Seconds		3 Hours	
90 Seconds		4 Hours	
3 Minutes		8 Hours	
5 Minutes		12 Hours	
10 Minutes		24 Hours	

Totalizer A Log Update Source (enter the source required)
Totalizer A Count Rate (if not automatically calculated)
Totalizer A Cut Off (enter the cut off value required)
Totalizer B Mode (only if totalizer option enabled)
(✓ the setting required)

Off	
Standard (7 Digit)	
Standard (9 Digit)	
F0	

Totalizer B Direction (✓ the setting required)

Count Up	
Count Down	

Totalizer B Wrap (✓ the setting required)

On	
Off	

Totalizer B Tag (enter the tag required – 20 characters max.)
Totalizer B Units (enter the units required)
Totalizer B Stop/Go Recovery (✓ the action required)

Last	
Stop	
Go	

Totalizer B Stop/Go Source (enter the source required)
Totalizer B Reset Source (enter the source required)
F0 Only (enter the values required)

Target Temperature	
Z Value	

Totalizer B Timed Reset (✓ the required days)

Off	
Monday	
Tuesday	
Wednesday	
Thursday	
Friday	
Saturday	
Sunday	
1st of the Month	

Totalizer B Time (enter the values required)

Minutes	
Hours	

Totalizer B Count Range (enter the values required)

Preset Count	
Predetermined Count	
Intermediate Count	

Totalizer B Log Update Time (✓ the setting required)

Off		15 Minutes	
5 Seconds		20 Minutes	
10 Seconds		30 Minutes	
15 Seconds		60 Minutes	
30 Seconds		2 Hours	
60 Seconds		3 Hours	
90 Seconds		4 Hours	
3 Minutes		8 Hours	
5 Minutes		12 Hours	
10 Minutes		24 Hours	

Totalizer B Log Update Source (enter the source required)
Totalizer B Count Rate (if not automatically calculated)
Totalizer B Cut Off (enter the cut off value required)

5.13 Channel 13

Source ID (enter the input source required)

--

Filter Type (✓ the box required)

Instantaneous	
Average	
Minimum	
Maximum	
Max & Min	

Scale Type (✓ the box required)

Linear	
Log	

**Log Scale Only* (enter the values required)

*Low	
*High	

** Numerical Display* (✓ the box required)

*Exponential	
*Standard	

Standard Only (enter the values required)

High	
Low	

Input Type (✓ the input type required)

Off	
Millivolts	
Milliamps	
Volts	
Resistance	
3-Wire RTD	
Thermocouple	
Volt Free Digital Input	
24V Digital Input	

Linearizer Type (✓ the input type required)

Linear	
B	
C	
D	
E	
J	
K	
L	
N	
R	
S	
T	
PT100	
PT1000	
Ni120	
Ni1000	
Square Root	
3/2	
5/2	
Custom Linearizer 1	
Custom Linearizer 2	

Electrical Range (enter the values required)

Low	
High	

Engineering Range and Units (enter the values required)

Low	
High	
Units	

Tag (enter the tag required – 20 characters max.)

--

Filter Time Constant (0 to 60 Seconds)

--

Fault Detect Level (enter the tolerance level required [between 0 and 100% of the engineering range])

--

Broken Sensor Direction (✓ the drive direction required)

None	
Upscale	
Downscale	

Alarm A Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm A Tag (enter the tag required – 20 characters max.)
Alarm A Trip (enter the trip point value required)
Alarm A Hysteresis (enter the hysteresis value required)
Alarm A Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm A Enable Source

(enter a source to enable/disable the alarm)

Alarm A Log Enable (✓ the setting required)

On	
Off	

Alarm Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm A Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Alarm B Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm B Tag (enter the tag required – 20 characters max.)
Alarm B Trip (enter the trip point value required)
Alarm B Hysteresis (enter the hysteresis value required)
Alarm B Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm B Enable Source

(enter a source to enable/disable the alarm)

Alarm B Log Enable (✓ the setting required)

On	
Off	

Alarm B Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm B Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Alarm C Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm C Tag (enter the tag required – 20 characters max.)
Alarm C Trip (enter the trip point value required)
Alarm C Hysteresis (enter the hysteresis value required)
Alarm C Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm C Enable Source

(enter a source to enable/disable the alarm)

Alarm C Log Enable (✓ the setting required)

On	
Off	

Alarm C Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm C Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Alarm D Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm D Tag (enter the tag required – 20 characters max.)
Alarm D Trip (enter the trip point value required)
Alarm D Hysteresis (enter the hysteresis value required)
Alarm D Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm D Enable Source

(enter a source to enable/disable the alarm)

Alarm D Log Enable (✓ the setting required)

On	
Off	

Alarm D Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm D Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Totalizer A Mode (only if totalizer option enabled)

(✓ the setting required)

Off	
Standard (7 Digit)	
Standard (9 Digit)	
F0	

Totalizer A Direction (✓ the setting required)

Count Up	
Count Down	

Totalizer A Wrap (✓ the setting required)

On	
Off	

Totalizer A Tag (enter the tag required – 20 characters max.)
Totalizer A Units (enter the units required)
Totalizer A Stop/Go Recovery (✓ the action required)

Last	
Stop	
Go	

Totalizer A Stop/Go Source (enter the source required)
Totalizer A Reset Source (enter the source required)
F0 Only (enter the values required)

Target Temperature	
Z Value	

Totalizer A Timed Reset (✓ the required days)

Off	
Monday	
Tuesday	
Wednesday	
Thursday	
Friday	
Saturday	
Sunday	
1st of the Month	

Totalizer A Time (enter the values required)

Minutes	
Hours	

Totalizer A Count Range (enter the values required)

Preset Count	
Predetermined Count	
Intermediate Count	

Totalizer A Log Update Time (✓ the setting required)

Off		15 Minutes	
5 Seconds		20 Minutes	
10 Seconds		30 Minutes	
15 Seconds		60 Minutes	
30 Seconds		2 Hours	
60 Seconds		3 Hours	
90 Seconds		4 Hours	
3 Minutes		8 Hours	
5 Minutes		12 Hours	
10 Minutes		24 Hours	

Totalizer A Log Update Source (enter the source required)
Totalizer A Count Rate (if not automatically calculated)
Totalizer A Cut Off (enter the cut off value required)
Totalizer B Mode (only if totalizer option enabled)

(✓ the setting required)

Off	
Standard (7 Digit)	
Standard (9 Digit)	
F0	

Totalizer B Direction (✓ the setting required)

Count Up	
Count Down	

Totalizer B Wrap (✓ the setting required)

On	
Off	

Totalizer B Tag (enter the tag required – 20 characters max.)
Totalizer B Units (enter the units required)
Totalizer B Stop/Go Recovery (✓ the action required)

Last	
Stop	
Go	

Totalizer B Stop/Go Source (enter the source required)
Totalizer B Reset Source (enter the source required)

F0 Only (enter the values required)

Target Temperature	
Z Value	

Totalizer B Timed Reset (✓ the required days)

Off	
Monday	
Tuesday	
Wednesday	
Thursday	
Friday	
Saturday	
Sunday	
1st of the Month	

Totalizer B Time (enter the values required)

Minutes	
Hours	

Totalizer B Count Range (enter the values required)

Preset Count	
Predetermined Count	
Intermediate Count	

Totalizer B Log Update Time (✓ the setting required)

Off		15 Minutes	
5 Seconds		20 Minutes	
10 Seconds		30 Minutes	
15 Seconds		60 Minutes	
30 Seconds		2 Hours	
60 Seconds		3 Hours	
90 Seconds		4 Hours	
3 Minutes		8 Hours	
5 Minutes		12 Hours	
10 Minutes		24 Hours	

Totalizer B Log Update Source (enter the source required)
Totalizer B Count Rate (if not automatically calculated)
Totalizer B Cut Off (enter the cut off value required)

5.14 Channel 14

Source ID (enter the input source required)
Filter Type (✓ the box required)

Instantaneous	
Average	
Minimum	
Maximum	
Max & Min	

Scale Type (✓ the box required)

Linear	
Log	

**Log Scale Only* (enter the values required)

*Low	
*High	

** Numerical Display* (✓ the box required)

*Exponential	
*Standard	

Standard Only (enter the values required)

High	
Low	

Input Type (✓ the input type required)

Off	
Millivolts	
Milliamps	
Volts	
Resistance	
3-Wire RTD	
Thermocouple	
Volt Free Digital Input	
24V Digital Input	

Linearizer Type (✓ the input type required)

Linear	
B	
C	
D	
E	
J	
K	
L	
N	
R	
S	
T	
PT100	
PT1000	
Ni120	
Ni1000	
Square Root	
3/2	
5/2	
Custom Linearizer 1	
Custom Linearizer 2	

Electrical Range (enter the values required)

Low	
High	

Engineering Range and Units (enter the values required)

Low	
High	
Units	

Tag (enter the tag required – 20 characters max.)
Filter Time Constant (0 to 60 Seconds)
Fault Detect Level (enter the tolerance level required [between 0 and 100% of the engineering range])
Broken Sensor Direction (✓ the drive direction required)

None	
Upscale	
Downscale	

Alarm A Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm A Tag (enter the tag required – 20 characters max.)
Alarm A Trip (enter the trip point value required)
Alarm A Hysteresis (enter the hysteresis value required)
Alarm A Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm A Enable Source

(enter a source to enable/disable the alarm)

Alarm A Log Enable (✓ the setting required)

On	
Off	

Alarm Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm A Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Alarm B Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm B Tag (enter the tag required – 20 characters max.)
Alarm B Trip (enter the trip point value required)
Alarm B Hysteresis (enter the hysteresis value required)
Alarm B Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm B Enable Source

(enter a source to enable/disable the alarm)

Alarm B Log Enable (✓ the setting required)

On	
Off	

Alarm B Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm B Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Alarm C Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm C Tag (enter the tag required – 20 characters max.)
Alarm C Trip (enter the trip point value required)
Alarm C Hysteresis (enter the hysteresis value required)
Alarm C Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm C Enable Source

(enter a source to enable/disable the alarm)

Alarm C Log Enable (✓ the setting required)

On	
Off	

Alarm C Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm C Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Alarm D Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm D Tag (enter the tag required – 20 characters max.)
Alarm D Trip (enter the trip point value required)
Alarm D Hysteresis (enter the hysteresis value required)
Alarm D Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm D Enable Source

(enter a source to enable/disable the alarm)

Alarm D Log Enable (✓ the setting required)

On	
Off	

Alarm D Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm D Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Totalizer A Mode (only if totalizer option enabled)

(✓ the setting required)

Off	
Standard (7 Digit)	
Standard (9 Digit)	
F0	

Totalizer A Direction (✓ the setting required)

Count Up	
Count Down	

Totalizer A Wrap (✓ the setting required)

On	
Off	

Totalizer A Tag (enter the tag required – 20 characters max.)
Totalizer A Units (enter the units required)
Totalizer A Stop/Go Recovery (✓ the action required)

Last	
Stop	
Go	

Totalizer A Stop/Go Source (enter the source required)
Totalizer A Reset Source (enter the source required)
F0 Only (enter the values required)

Target Temperature	
Z Value	

Totalizer A Timed Reset (✓ the required days)

Off	
Monday	
Tuesday	
Wednesday	
Thursday	
Friday	
Saturday	
Sunday	
1st of the Month	

Totalizer A Time (enter the values required)

Minutes	
Hours	

Totalizer A Count Range (enter the values required)

Preset Count	
Predetermined Count	
Intermediate Count	

Totalizer A Log Update Time (✓ the setting required)

Off		15 Minutes	
5 Seconds		20 Minutes	
10 Seconds		30 Minutes	
15 Seconds		60 Minutes	
30 Seconds		2 Hours	
60 Seconds		3 Hours	
90 Seconds		4 Hours	
3 Minutes		8 Hours	
5 Minutes		12 Hours	
10 Minutes		24 Hours	

Totalizer A Log Update Source (enter the source required)
Totalizer A Count Rate (if not automatically calculated)
Totalizer A Cut Off (enter the cut off value required)
Totalizer B Mode (only if totalizer option enabled)
(✓ the setting required)

Off	
Standard (7 Digit)	
Standard (9 Digit)	
F0	

Totalizer B Direction (✓ the setting required)

Count Up	
Count Down	

Totalizer B Wrap (✓ the setting required)

On	
Off	

Totalizer B Tag (enter the tag required – 20 characters max.)
Totalizer B Units (enter the units required)
Totalizer B Stop/Go Recovery (✓ the action required)

Last	
Stop	
Go	

Totalizer B Stop/Go Source (enter the source required)
Totalizer B Reset Source (enter the source required)
F0 Only (enter the values required)

Target Temperature	
Z Value	

Totalizer B Timed Reset (✓ the required days)

Off	
Monday	
Tuesday	
Wednesday	
Thursday	
Friday	
Saturday	
Sunday	
1st of the Month	

Totalizer B Time (enter the values required)

Minutes	
Hours	

Totalizer B Count Range (enter the values required)

Preset Count	
Predetermined Count	
Intermediate Count	

Totalizer B Log Update Time (✓ the setting required)

Off		15 Minutes	
5 Seconds		20 Minutes	
10 Seconds		30 Minutes	
15 Seconds		60 Minutes	
30 Seconds		2 Hours	
60 Seconds		3 Hours	
90 Seconds		4 Hours	
3 Minutes		8 Hours	
5 Minutes		12 Hours	
10 Minutes		24 Hours	

Totalizer B Log Update Source (enter the source required)
Totalizer B Count Rate (if not automatically calculated)
Totalizer B Cut Off (enter the cut off value required)

5.15 Channel 15

Source ID (enter the input source required)

--	--

Filter Type (✓ the box required)

Instantaneous	
Average	
Minimum	
Maximum	
Max & Min	

Scale Type (✓ the box required)

Linear	
Log	

**Log Scale Only* (enter the values required)

*Low	
*High	

** Numerical Display* (✓ the box required)

*Exponential	
*Standard	

Standard Only (enter the values required)

High	
Low	

Input Type (✓ the input type required)

Off	
Millivolts	
Milliamps	
Volts	
Resistance	
3-Wire RTD	
Thermocouple	
Volt Free Digital Input	
24V Digital Input	

Linearizer Type (✓ the input type required)

Linear	
B	
C	
D	
E	
J	
K	
L	
N	
R	
S	
T	
PT100	
PT1000	
Ni120	
Ni1000	
Square Root	
3/2	
5/2	
Custom Linearizer 1	
Custom Linearizer 2	

Electrical Range (enter the values required)

Low	
High	

Engineering Range and Units (enter the values required)

Low	
High	
Units	

Tag (enter the tag required – 20 characters max.)

--

Filter Time Constant (0 to 60 Seconds)

--

Fault Detect Level (enter the tolerance level required [between 0 and 100% of the engineering range])

--

Broken Sensor Direction (✓ the drive direction required)

None	
Upscale	
Downscale	

Alarm A Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm A Tag (enter the tag required – 20 characters max.)
Alarm A Trip (enter the trip point value required)
Alarm A Hysteresis (enter the hysteresis value required)
Alarm A Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm A Enable Source

(enter a source to enable/disable the alarm)

Alarm A Log Enable (✓ the setting required)

On	
Off	

Alarm Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm A Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Alarm B Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm B Tag (enter the tag required – 20 characters max.)
Alarm B Trip (enter the trip point value required)
Alarm B Hysteresis (enter the hysteresis value required)
Alarm B Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm B Enable Source

(enter a source to enable/disable the alarm)

Alarm B Log Enable (✓ the setting required)

On	
Off	

Alarm B Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm B Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Alarm C Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm C Tag (enter the tag required – 20 characters max.)
Alarm C Trip (enter the trip point value required)
Alarm C Hysteresis (enter the hysteresis value required)
Alarm C Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm C Enable Source

(enter a source to enable/disable the alarm)

Alarm C Log Enable (✓ the setting required)

On	
Off	

Alarm C Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm C Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Alarm D Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm D Tag (enter the tag required – 20 characters max.)
Alarm D Trip (enter the trip point value required)
Alarm D Hysteresis (enter the hysteresis value required)
Alarm D Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm D Enable Source

(enter a source to enable/disable the alarm)

Alarm D Log Enable (✓ the setting required)

On	
Off	

Alarm D Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm D Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Totalizer A Mode (only if totalizer option enabled)

(✓ the setting required)

Off	
Standard (7 Digit)	
Standard (9 Digit)	
F0	

Totalizer A Direction (✓ the setting required)

Count Up	
Count Down	

Totalizer A Wrap (✓ the setting required)

On	
Off	

Totalizer A Tag (enter the tag required – 20 characters max.)
Totalizer A Units (enter the units required)
Totalizer A Stop/Go Recovery (✓ the action required)

Last	
Stop	
Go	

Totalizer A Stop/Go Source (enter the source required)
Totalizer A Reset Source (enter the source required)
F0 Only (enter the values required)

Target Temperature	
Z Value	

Totalizer A Timed Reset (✓ the required days)

Off	
Monday	
Tuesday	
Wednesday	
Thursday	
Friday	
Saturday	
Sunday	
1st of the Month	

Totalizer A Time (enter the values required)

Minutes	
Hours	

Totalizer A Count Range (enter the values required)

Preset Count	
Predetermined Count	
Intermediate Count	

Totalizer A Log Update Time (✓ the setting required)

Off		15 Minutes	
5 Seconds		20 Minutes	
10 Seconds		30 Minutes	
15 Seconds		60 Minutes	
30 Seconds		2 Hours	
60 Seconds		3 Hours	
90 Seconds		4 Hours	
3 Minutes		8 Hours	
5 Minutes		12 Hours	
10 Minutes		24 Hours	

Totalizer A Log Update Source (enter the source required)
Totalizer A Count Rate (if not automatically calculated)
Totalizer A Cut Off (enter the cut off value required)
Totalizer B Mode (only if totalizer option enabled)

(✓ the setting required)

Off	
Standard (7 Digit)	
Standard (9 Digit)	
F0	

Totalizer B Direction (✓ the setting required)

Count Up	
Count Down	

Totalizer B Wrap (✓ the setting required)

On	
Off	

Totalizer B Tag (enter the tag required – 20 characters max.)
Totalizer B Units (enter the units required)
Totalizer B Stop/Go Recovery (✓ the action required)

Last	
Stop	
Go	

Totalizer B Stop/Go Source (enter the source required)
Totalizer B Reset Source (enter the source required)

F0 Only (enter the values required)

Target Temperature	
Z Value	

Totalizer B Timed Reset (✓ the required days)

Off	
Monday	
Tuesday	
Wednesday	
Thursday	
Friday	
Saturday	
Sunday	
1st of the Month	

Totalizer B Time (enter the values required)

Minutes	
Hours	

Totalizer B Count Range (enter the values required)

Preset Count	
Predetermined Count	
Intermediate Count	

Totalizer B Log Update Time (✓ the setting required)

Off		15 Minutes	
5 Seconds		20 Minutes	
10 Seconds		30 Minutes	
15 Seconds		60 Minutes	
30 Seconds		2 Hours	
60 Seconds		3 Hours	
90 Seconds		4 Hours	
3 Minutes		8 Hours	
5 Minutes		12 Hours	
10 Minutes		24 Hours	

Totalizer B Log Update Source (enter the source required)
Totalizer B Count Rate (if not automatically calculated)
Totalizer B Cut Off (enter the cut off value required)

5.16 Channel 16

Source ID (enter the input source required)
Filter Type (✓ the box required)

Instantaneous	
Average	
Minimum	
Maximum	
Max & Min	

Scale Type (✓ the box required)

Linear	
Log	

**Log Scale Only* (enter the values required)

*Low	
*High	

** Numerical Display* (✓ the box required)

*Exponential	
*Standard	

Standard Only (enter the values required)

High	
Low	

Input Type (✓ the input type required)

Off	
Millivolts	
Milliamps	
Volts	
Resistance	
3-Wire RTD	
Thermocouple	
Volt Free Digital Input	
24V Digital Input	

Linearizer Type (✓ the input type required)

Linear	
B	
C	
D	
E	
J	
K	
L	
N	
R	
S	
T	
PT100	
PT1000	
Ni120	
Ni1000	
Square Root	
3/2	
5/2	
Custom Linearizer 1	
Custom Linearizer 2	

Electrical Range (enter the values required)

Low	
High	

Engineering Range and Units (enter the values required)

Low	
High	
Units	

Tag (enter the tag required – 20 characters max.)
Filter Time Constant (0 to 60 Seconds)
Fault Detect Level (enter the tolerance level required [between 0 and 100% of the engineering range])
Broken Sensor Direction (✓ the drive direction required)

None	
Upscale	
Downscale	

Alarm A Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm A Tag (enter the tag required – 20 characters max.)
Alarm A Trip (enter the trip point value required)
Alarm A Hysteresis (enter the hysteresis value required)
Alarm A Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm A Enable Source

(enter a source to enable/disable the alarm)

Alarm A Log Enable (✓ the setting required)

On	
Off	

Alarm Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm A Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Alarm B Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm B Tag (enter the tag required – 20 characters max.)
Alarm B Trip (enter the trip point value required)
Alarm B Hysteresis (enter the hysteresis value required)
Alarm B Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm B Enable Source

(enter a source to enable/disable the alarm)

Alarm B Log Enable (✓ the setting required)

On	
Off	

Alarm B Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm B Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Alarm C Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm C Tag (enter the tag required – 20 characters max.)
Alarm C Trip (enter the trip point value required)
Alarm C Hysteresis (enter the hysteresis value required)
Alarm C Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm C Enable Source

(enter a source to enable/disable the alarm)

Alarm C Log Enable (✓ the setting required)

On	
Off	

Alarm C Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm C Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Alarm D Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm D Tag (enter the tag required – 20 characters max.)
Alarm D Trip (enter the trip point value required)
Alarm D Hysteresis (enter the hysteresis value required)
Alarm D Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm D Enable Source

(enter a source to enable/disable the alarm)

Alarm D Log Enable (✓ the setting required)

On	
Off	

Alarm D Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm D Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Totalizer A Mode (only if totalizer option enabled)

(✓ the setting required)

Off	
Standard (7 Digit)	
Standard (9 Digit)	
F0	

Totalizer A Direction (✓ the setting required)

Count Up	
Count Down	

Totalizer A Wrap (✓ the setting required)

On	
Off	

Totalizer A Tag (enter the tag required – 20 characters max.)
Totalizer A Units (enter the units required)
Totalizer A Stop/Go Recovery (✓ the action required)

Last	
Stop	
Go	

Totalizer A Stop/Go Source (enter the source required)
Totalizer A Reset Source (enter the source required)
F0 Only (enter the values required)

Target Temperature	
Z Value	

Totalizer A Timed Reset (✓ the required days)

Off	
Monday	
Tuesday	
Wednesday	
Thursday	
Friday	
Saturday	
Sunday	
1st of the Month	

Totalizer A Time (enter the values required)

Minutes	
Hours	

Totalizer A Count Range (enter the values required)

Preset Count	
Predetermined Count	
Intermediate Count	

Totalizer A Log Update Time (✓ the setting required)

Off		15 Minutes	
5 Seconds		20 Minutes	
10 Seconds		30 Minutes	
15 Seconds		60 Minutes	
30 Seconds		2 Hours	
60 Seconds		3 Hours	
90 Seconds		4 Hours	
3 Minutes		8 Hours	
5 Minutes		12 Hours	
10 Minutes		24 Hours	

Totalizer A Log Update Source (enter the source required)
Totalizer A Count Rate (if not automatically calculated)
Totalizer A Cut Off (enter the cut off value required)
Totalizer B Mode (only if totalizer option enabled)
(✓ the setting required)

Off	
Standard (7 Digit)	
Standard (9 Digit)	
F0	

Totalizer B Direction (✓ the setting required)

Count Up	
Count Down	

Totalizer B Wrap (✓ the setting required)

On	
Off	

Totalizer B Tag (enter the tag required – 20 characters max.)
Totalizer B Units (enter the units required)
Totalizer B Stop/Go Recovery (✓ the action required)

Last	
Stop	
Go	

Totalizer B Stop/Go Source (enter the source required)
Totalizer B Reset Source (enter the source required)
F0 Only (enter the values required)

Target Temperature	
Z Value	

Totalizer B Timed Reset (✓ the required days)

Off	
Monday	
Tuesday	
Wednesday	
Thursday	
Friday	
Saturday	
Sunday	
1st of the Month	

Totalizer B Time (enter the values required)

Minutes	
Hours	

Totalizer B Count Range (enter the values required)

Preset Count	
Predetermined Count	
Intermediate Count	

Totalizer B Log Update Time (✓ the setting required)

Off		15 Minutes	
5 Seconds		20 Minutes	
10 Seconds		30 Minutes	
15 Seconds		60 Minutes	
30 Seconds		2 Hours	
60 Seconds		3 Hours	
90 Seconds		4 Hours	
3 Minutes		8 Hours	
5 Minutes		12 Hours	
10 Minutes		24 Hours	

Totalizer B Log Update Source (enter the source required)
Totalizer B Count Rate (if not automatically calculated)
Totalizer B Cut Off (enter the cut off value required)

5.17 Channel 17

Source ID (enter the input source required)

--

Filter Type (✓ the box required)

Instantaneous	
Average	
Minimum	
Maximum	
Max & Min	

Scale Type (✓ the box required)

Linear	
Log	

**Log Scale Only* (enter the values required)

*Low	
*High	

** Numerical Display* (✓ the box required)

*Exponential	
*Standard	

Standard Only (enter the values required)

High	
Low	

Input Type (✓ the input type required)

Off	
Millivolts	
Milliamps	
Volts	
Resistance	
3-Wire RTD	
Thermocouple	
Volt Free Digital Input	
24V Digital Input	

Linearizer Type (✓ the input type required)

Linear	
B	
C	
D	
E	
J	
K	
L	
N	
R	
S	
T	
PT100	
PT1000	
Ni120	
Ni1000	
Square Root	
3/2	
5/2	
Custom Linearizer 1	
Custom Linearizer 2	

Electrical Range (enter the values required)

Low	
High	

Engineering Range and Units (enter the values required)

Low	
High	
Units	

Tag (enter the tag required – 20 characters max.)

--

Filter Time Constant (0 to 60 Seconds)

--

Fault Detect Level (enter the tolerance level required [between 0 and 100% of the engineering range])

--

Broken Sensor Direction (✓ the drive direction required)

None	
Upscale	
Downscale	

Alarm A Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm A Tag (enter the tag required – 20 characters max.)
Alarm A Trip (enter the trip point value required)
Alarm A Hysteresis (enter the hysteresis value required)
Alarm A Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm A Enable Source

(enter a source to enable/disable the alarm)

Alarm A Log Enable (✓ the setting required)

On	
Off	

Alarm Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm A Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Alarm B Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm B Tag (enter the tag required – 20 characters max.)
Alarm B Trip (enter the trip point value required)
Alarm B Hysteresis (enter the hysteresis value required)
Alarm B Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm B Enable Source

(enter a source to enable/disable the alarm)

Alarm B Log Enable (✓ the setting required)

On	
Off	

Alarm B Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm B Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Alarm C Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm C Tag (enter the tag required – 20 characters max.)
Alarm C Trip (enter the trip point value required)
Alarm C Hysteresis (enter the hysteresis value required)
Alarm C Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm C Enable Source

(enter a source to enable/disable the alarm)

Alarm C Log Enable (✓ the setting required)

On	
Off	

Alarm C Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm C Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Alarm D Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm D Tag (enter the tag required – 20 characters max.)
Alarm D Trip (enter the trip point value required)
Alarm D Hysteresis (enter the hysteresis value required)
Alarm D Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm D Enable Source

(enter a source to enable/disable the alarm)

Alarm D Log Enable (✓ the setting required)

On	
Off	

Alarm D Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm D Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Totalizer A Mode (only if totalizer option enabled)

(✓ the setting required)

Off	
Standard (7 Digit)	
Standard (9 Digit)	
F0	

Totalizer A Direction (✓ the setting required)

Count Up	
Count Down	

Totalizer A Wrap (✓ the setting required)

On	
Off	

Totalizer A Tag (enter the tag required – 20 characters max.)
Totalizer A Units (enter the units required)
Totalizer A Stop/Go Recovery (✓ the action required)

Last	
Stop	
Go	

Totalizer A Stop/Go Source (enter the source required)
Totalizer A Reset Source (enter the source required)
F0 Only (enter the values required)

Target Temperature	
Z Value	

Totalizer A Timed Reset (✓ the required days)

Off	
Monday	
Tuesday	
Wednesday	
Thursday	
Friday	
Saturday	
Sunday	
1st of the Month	

Totalizer A Time (enter the values required)

Minutes	
Hours	

Totalizer A Count Range (enter the values required)

Preset Count	
Predetermined Count	
Intermediate Count	

Totalizer A Log Update Time (✓ the setting required)

Off		15 Minutes	
5 Seconds		20 Minutes	
10 Seconds		30 Minutes	
15 Seconds		60 Minutes	
30 Seconds		2 Hours	
60 Seconds		3 Hours	
90 Seconds		4 Hours	
3 Minutes		8 Hours	
5 Minutes		12 Hours	
10 Minutes		24 Hours	

Totalizer A Log Update Source (enter the source required)
Totalizer A Count Rate (if not automatically calculated)
Totalizer A Cut Off (enter the cut off value required)
Totalizer B Mode (only if totalizer option enabled)

(✓ the setting required)

Off	
Standard (7 Digit)	
Standard (9 Digit)	
F0	

Totalizer B Direction (✓ the setting required)

Count Up	
Count Down	

Totalizer B Wrap (✓ the setting required)

On	
Off	

Totalizer B Tag (enter the tag required – 20 characters max.)
Totalizer B Units (enter the units required)
Totalizer B Stop/Go Recovery (✓ the action required)

Last	
Stop	
Go	

Totalizer B Stop/Go Source (enter the source required)
Totalizer B Reset Source (enter the source required)

F0 Only (enter the values required)

Target Temperature	
Z Value	

Totalizer B Timed Reset (✓ the required days)

Off	
Monday	
Tuesday	
Wednesday	
Thursday	
Friday	
Saturday	
Sunday	
1st of the Month	

Totalizer B Time (enter the values required)

Minutes	
Hours	

Totalizer B Count Range (enter the values required)

Preset Count	
Predetermined Count	
Intermediate Count	

Totalizer B Log Update Time (✓ the setting required)

Off		15 Minutes	
5 Seconds		20 Minutes	
10 Seconds		30 Minutes	
15 Seconds		60 Minutes	
30 Seconds		2 Hours	
60 Seconds		3 Hours	
90 Seconds		4 Hours	
3 Minutes		8 Hours	
5 Minutes		12 Hours	
10 Minutes		24 Hours	

Totalizer B Log Update Source (enter the source required)
Totalizer B Count Rate (if not automatically calculated)
Totalizer B Cut Off (enter the cut off value required)

5.18 Channel 18

Source ID (enter the input source required)
Filter Type (✓ the box required)

Instantaneous	
Average	
Minimum	
Maximum	
Max & Min	

Scale Type (✓ the box required)

Linear	
Log	

**Log Scale Only* (enter the values required)

*Low	
*High	

** Numerical Display* (✓ the box required)

*Exponential	
*Standard	

Standard Only (enter the values required)

High	
Low	

Input Type (✓ the input type required)

Off	
Millivolts	
Milliamps	
Volts	
Resistance	
3-Wire RTD	
Thermocouple	
Volt Free Digital Input	
24V Digital Input	

Linearizer Type (✓ the input type required)

Linear	
B	
C	
D	
E	
J	
K	
L	
N	
R	
S	
T	
PT100	
PT1000	
Ni120	
Ni1000	
Square Root	
3/2	
5/2	
Custom Linearizer 1	
Custom Linearizer 2	

Electrical Range (enter the values required)

Low	
High	

Engineering Range and Units (enter the values required)

Low	
High	
Units	

Tag (enter the tag required – 20 characters max.)
Filter Time Constant (0 to 60 Seconds)
Fault Detect Level (enter the tolerance level required [between 0 and 100% of the engineering range])
Broken Sensor Direction (✓ the drive direction required)

None	
Upscale	
Downscale	

Alarm A Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm A Tag (enter the tag required – 20 characters max.)
Alarm A Trip (enter the trip point value required)
Alarm A Hysteresis (enter the hysteresis value required)
Alarm A Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm A Enable Source

(enter a source to enable/disable the alarm)

Alarm A Log Enable (✓ the setting required)

On	
Off	

Alarm Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm A Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Alarm B Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm B Tag (enter the tag required – 20 characters max.)
Alarm B Trip (enter the trip point value required)
Alarm B Hysteresis (enter the hysteresis value required)
Alarm B Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm B Enable Source

(enter a source to enable/disable the alarm)

Alarm B Log Enable (✓ the setting required)

On	
Off	

Alarm B Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm B Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Alarm C Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm C Tag (enter the tag required – 20 characters max.)
Alarm C Trip (enter the trip point value required)
Alarm C Hysteresis (enter the hysteresis value required)
Alarm C Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm C Enable Source

(enter a source to enable/disable the alarm)

Alarm C Log Enable (✓ the setting required)

On	
Off	

Alarm C Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm C Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Alarm D Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm D Tag (enter the tag required – 20 characters max.)
Alarm D Trip (enter the trip point value required)
Alarm D Hysteresis (enter the hysteresis value required)
Alarm D Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm D Enable Source

(enter a source to enable/disable the alarm)

Alarm D Log Enable (✓ the setting required)

On	
Off	

Alarm D Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm D Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Totalizer A Mode (only if totalizer option enabled)

(✓ the setting required)

Off	
Standard (7 Digit)	
Standard (9 Digit)	
F0	

Totalizer A Direction (✓ the setting required)

Count Up	
Count Down	

Totalizer A Wrap (✓ the setting required)

On	
Off	

Totalizer A Tag (enter the tag required – 20 characters max.)
Totalizer A Units (enter the units required)
Totalizer A Stop/Go Recovery (✓ the action required)

Last	
Stop	
Go	

Totalizer A Stop/Go Source (enter the source required)
Totalizer A Reset Source (enter the source required)
F0 Only (enter the values required)

Target Temperature	
Z Value	

Totalizer A Timed Reset (✓ the required days)

Off	
Monday	
Tuesday	
Wednesday	
Thursday	
Friday	
Saturday	
Sunday	
1st of the Month	

Totalizer A Time (enter the values required)

Minutes	
Hours	

Totalizer A Count Range (enter the values required)

Preset Count	
Predetermined Count	
Intermediate Count	

Totalizer A Log Update Time (✓ the setting required)

Off		15 Minutes	
5 Seconds		20 Minutes	
10 Seconds		30 Minutes	
15 Seconds		60 Minutes	
30 Seconds		2 Hours	
60 Seconds		3 Hours	
90 Seconds		4 Hours	
3 Minutes		8 Hours	
5 Minutes		12 Hours	
10 Minutes		24 Hours	

Totalizer A Log Update Source (enter the source required)
Totalizer A Count Rate (if not automatically calculated)
Totalizer A Cut Off (enter the cut off value required)
Totalizer B Mode (only if totalizer option enabled)
(✓ the setting required)

Off	
Standard (7 Digit)	
Standard (9 Digit)	
F0	

Totalizer B Direction (✓ the setting required)

Count Up	
Count Down	

Totalizer B Wrap (✓ the setting required)

On	
Off	

Totalizer B Tag (enter the tag required – 20 characters max.)
Totalizer B Units (enter the units required)
Totalizer B Stop/Go Recovery (✓ the action required)

Last	
Stop	
Go	

Totalizer B Stop/Go Source (enter the source required)
Totalizer B Reset Source (enter the source required)
F0 Only (enter the values required)

Target Temperature	
Z Value	

Totalizer B Timed Reset (✓ the required days)

Off	
Monday	
Tuesday	
Wednesday	
Thursday	
Friday	
Saturday	
Sunday	
1st of the Month	

Totalizer B Time (enter the values required)

Minutes	
Hours	

Totalizer B Count Range (enter the values required)

Preset Count	
Predetermined Count	
Intermediate Count	

Totalizer B Log Update Time (✓ the setting required)

Off		15 Minutes	
5 Seconds		20 Minutes	
10 Seconds		30 Minutes	
15 Seconds		60 Minutes	
30 Seconds		2 Hours	
60 Seconds		3 Hours	
90 Seconds		4 Hours	
3 Minutes		8 Hours	
5 Minutes		12 Hours	
10 Minutes		24 Hours	

Totalizer B Log Update Source (enter the source required)
Totalizer B Count Rate (if not automatically calculated)
Totalizer B Cut Off (enter the cut off value required)

5.19 Channel 19

Source ID (enter the input source required)

--	--

Filter Type (✓ the box required)

Instantaneous	
Average	
Minimum	
Maximum	
Max & Min	

Scale Type (✓ the box required)

Linear	
Log	

**Log Scale Only* (enter the values required)

*Low	
*High	

** Numerical Display* (✓ the box required)

*Exponential	
*Standard	

Standard Only (enter the values required)

High	
Low	

Input Type (✓ the input type required)

Off	
Millivolts	
Milliamps	
Volts	
Resistance	
3-Wire RTD	
Thermocouple	
Volt Free Digital Input	
24V Digital Input	

Linearizer Type (✓ the input type required)

Linear	
B	
C	
D	
E	
J	
K	
L	
N	
R	
S	
T	
PT100	
PT1000	
Ni120	
Ni1000	
Square Root	
3/2	
5/2	
Custom Linearizer 1	
Custom Linearizer 2	

Electrical Range (enter the values required)

Low	
High	

Engineering Range and Units (enter the values required)

Low	
High	
Units	

Tag (enter the tag required – 20 characters max.)

--

Filter Time Constant (0 to 60 Seconds)

--

Fault Detect Level (enter the tolerance level required [between 0 and 100% of the engineering range])

--

Broken Sensor Direction (✓ the drive direction required)

None	
Upscale	
Downscale	

Alarm A Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm A Tag (enter the tag required – 20 characters max.)
Alarm A Trip (enter the trip point value required)
Alarm A Hysteresis (enter the hysteresis value required)
Alarm A Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm A Enable Source

(enter a source to enable/disable the alarm)

Alarm A Log Enable (✓ the setting required)

On	
Off	

Alarm Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm A Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Alarm B Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm B Tag (enter the tag required – 20 characters max.)
Alarm B Trip (enter the trip point value required)
Alarm B Hysteresis (enter the hysteresis value required)
Alarm B Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm B Enable Source

(enter a source to enable/disable the alarm)

Alarm B Log Enable (✓ the setting required)

On	
Off	

Alarm B Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm B Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Alarm C Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm C Tag (enter the tag required – 20 characters max.)
Alarm C Trip (enter the trip point value required)
Alarm C Hysteresis (enter the hysteresis value required)
Alarm C Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm C Enable Source

(enter a source to enable/disable the alarm)

Alarm C Log Enable (✓ the setting required)

On	
Off	

Alarm C Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm C Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Alarm D Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm D Tag (enter the tag required – 20 characters max.)
Alarm D Trip (enter the trip point value required)
Alarm D Hysteresis (enter the hysteresis value required)
Alarm D Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm D Enable Source

(enter a source to enable/disable the alarm)

Alarm D Log Enable (✓ the setting required)

On	
Off	

Alarm D Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm D Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Totalizer A Mode (only if totalizer option enabled)

(✓ the setting required)

Off	
Standard (7 Digit)	
Standard (9 Digit)	
F0	

Totalizer A Direction (✓ the setting required)

Count Up	
Count Down	

Totalizer A Wrap (✓ the setting required)

On	
Off	

Totalizer A Tag (enter the tag required – 20 characters max.)
Totalizer A Units (enter the units required)
Totalizer A Stop/Go Recovery (✓ the action required)

Last	
Stop	
Go	

Totalizer A Stop/Go Source (enter the source required)
Totalizer A Reset Source (enter the source required)
F0 Only (enter the values required)

Target Temperature	
Z Value	

Totalizer A Timed Reset (✓ the required days)

Off	
Monday	
Tuesday	
Wednesday	
Thursday	
Friday	
Saturday	
Sunday	
1st of the Month	

Totalizer A Time (enter the values required)

Minutes	
Hours	

Totalizer A Count Range (enter the values required)

Preset Count	
Predetermined Count	
Intermediate Count	

Totalizer A Log Update Time (✓ the setting required)

Off		15 Minutes	
5 Seconds		20 Minutes	
10 Seconds		30 Minutes	
15 Seconds		60 Minutes	
30 Seconds		2 Hours	
60 Seconds		3 Hours	
90 Seconds		4 Hours	
3 Minutes		8 Hours	
5 Minutes		12 Hours	
10 Minutes		24 Hours	

Totalizer A Log Update Source (enter the source required)
Totalizer A Count Rate (if not automatically calculated)
Totalizer A Cut Off (enter the cut off value required)
Totalizer B Mode (only if totalizer option enabled)

(✓ the setting required)

Off	
Standard (7 Digit)	
Standard (9 Digit)	
F0	

Totalizer B Direction (✓ the setting required)

Count Up	
Count Down	

Totalizer B Wrap (✓ the setting required)

On	
Off	

Totalizer B Tag (enter the tag required – 20 characters max.)
Totalizer B Units (enter the units required)
Totalizer B Stop/Go Recovery (✓ the action required)

Last	
Stop	
Go	

Totalizer B Stop/Go Source (enter the source required)
Totalizer B Reset Source (enter the source required)

F0 Only (enter the values required)

Target Temperature	
Z Value	

Totalizer B Timed Reset (✓ the required days)

Off	
Monday	
Tuesday	
Wednesday	
Thursday	
Friday	
Saturday	
Sunday	
1st of the Month	

Totalizer B Time (enter the values required)

Minutes	
Hours	

Totalizer B Count Range (enter the values required)

Preset Count	
Predetermined Count	
Intermediate Count	

Totalizer B Log Update Time (✓ the setting required)

Off		15 Minutes	
5 Seconds		20 Minutes	
10 Seconds		30 Minutes	
15 Seconds		60 Minutes	
30 Seconds		2 Hours	
60 Seconds		3 Hours	
90 Seconds		4 Hours	
3 Minutes		8 Hours	
5 Minutes		12 Hours	
10 Minutes		24 Hours	

Totalizer B Log Update Source (enter the source required)
Totalizer B Count Rate (if not automatically calculated)
Totalizer B Cut Off (enter the cut off value required)

5.20 Channel 20

Source ID (enter the input source required)
Filter Type (✓ the box required)

Instantaneous	
Average	
Minimum	
Maximum	
Max & Min	

Scale Type (✓ the box required)

Linear	
Log	

**Log Scale Only* (enter the values required)

*Low	
*High	

** Numerical Display* (✓ the box required)

*Exponential	
*Standard	

Standard Only (enter the values required)

High	
Low	

Input Type (✓ the input type required)

Off	
Millivolts	
Milliamps	
Volts	
Resistance	
3-Wire RTD	
Thermocouple	
Volt Free Digital Input	
24V Digital Input	

Linearizer Type (✓ the input type required)

Linear	
B	
C	
D	
E	
J	
K	
L	
N	
R	
S	
T	
PT100	
PT1000	
Ni120	
Ni1000	
Square Root	
3/2	
5/2	
Custom Linearizer 1	
Custom Linearizer 2	

Electrical Range (enter the values required)

Low	
High	

Engineering Range and Units (enter the values required)

Low	
High	
Units	

Tag (enter the tag required – 20 characters max.)
Filter Time Constant (0 to 60 Seconds)
Fault Detect Level (enter the tolerance level required [between 0 and 100% of the engineering range])
Broken Sensor Direction (✓ the drive direction required)

None	
Upscale	
Downscale	

Alarm A Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm A Tag (enter the tag required – 20 characters max.)
Alarm A Trip (enter the trip point value required)
Alarm A Hysteresis (enter the hysteresis value required)
Alarm A Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm A Enable Source

(enter a source to enable/disable the alarm)

Alarm A Log Enable (✓ the setting required)

On	
Off	

Alarm Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm A Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Alarm B Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm B Tag (enter the tag required – 20 characters max.)
Alarm B Trip (enter the trip point value required)
Alarm B Hysteresis (enter the hysteresis value required)
Alarm B Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm B Enable Source

(enter a source to enable/disable the alarm)

Alarm B Log Enable (✓ the setting required)

On	
Off	

Alarm B Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm B Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Alarm C Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm C Tag (enter the tag required – 20 characters max.)
Alarm C Trip (enter the trip point value required)
Alarm C Hysteresis (enter the hysteresis value required)
Alarm C Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm C Enable Source

(enter a source to enable/disable the alarm)

Alarm C Log Enable (✓ the setting required)

On	
Off	

Alarm C Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm C Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Alarm D Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm D Tag (enter the tag required – 20 characters max.)
Alarm D Trip (enter the trip point value required)
Alarm D Hysteresis (enter the hysteresis value required)
Alarm D Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm D Enable Source

(enter a source to enable/disable the alarm)

Alarm D Log Enable (✓ the setting required)

On	
Off	

Alarm D Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm D Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Totalizer A Mode (only if totalizer option enabled)

(✓ the setting required)

Off	
Standard (7 Digit)	
Standard (9 Digit)	
F0	

Totalizer A Direction (✓ the setting required)

Count Up	
Count Down	

Totalizer A Wrap (✓ the setting required)

On	
Off	

Totalizer A Tag (enter the tag required – 20 characters max.)
Totalizer A Units (enter the units required)
Totalizer A Stop/Go Recovery (✓ the action required)

Last	
Stop	
Go	

Totalizer A Stop/Go Source (enter the source required)
Totalizer A Reset Source (enter the source required)
F0 Only (enter the values required)

Target Temperature	
Z Value	

Totalizer A Timed Reset (✓ the required days)

Off	
Monday	
Tuesday	
Wednesday	
Thursday	
Friday	
Saturday	
Sunday	
1st of the Month	

Totalizer A Time (enter the values required)

Minutes	
Hours	

Totalizer A Count Range (enter the values required)

Preset Count	
Predetermined Count	
Intermediate Count	

Totalizer A Log Update Time (✓ the setting required)

Off		15 Minutes	
5 Seconds		20 Minutes	
10 Seconds		30 Minutes	
15 Seconds		60 Minutes	
30 Seconds		2 Hours	
60 Seconds		3 Hours	
90 Seconds		4 Hours	
3 Minutes		8 Hours	
5 Minutes		12 Hours	
10 Minutes		24 Hours	

Totalizer A Log Update Source (enter the source required)
Totalizer A Count Rate (if not automatically calculated)
Totalizer A Cut Off (enter the cut off value required)
Totalizer B Mode (only if totalizer option enabled)
(✓ the setting required)

Off	
Standard (7 Digit)	
Standard (9 Digit)	
F0	

Totalizer B Direction (✓ the setting required)

Count Up	
Count Down	

Totalizer B Wrap (✓ the setting required)

On	
Off	

Totalizer B Tag (enter the tag required – 20 characters max.)
Totalizer B Units (enter the units required)
Totalizer B Stop/Go Recovery (✓ the action required)

Last	
Stop	
Go	

Totalizer B Stop/Go Source (enter the source required)
Totalizer B Reset Source (enter the source required)
F0 Only (enter the values required)

Target Temperature	
Z Value	

Totalizer B Timed Reset (✓ the required days)

Off	
Monday	
Tuesday	
Wednesday	
Thursday	
Friday	
Saturday	
Sunday	
1st of the Month	

Totalizer B Time (enter the values required)

Minutes	
Hours	

Totalizer B Count Range (enter the values required)

Preset Count	
Predetermined Count	
Intermediate Count	

Totalizer B Log Update Time (✓ the setting required)

Off		15 Minutes	
5 Seconds		20 Minutes	
10 Seconds		30 Minutes	
15 Seconds		60 Minutes	
30 Seconds		2 Hours	
60 Seconds		3 Hours	
90 Seconds		4 Hours	
3 Minutes		8 Hours	
5 Minutes		12 Hours	
10 Minutes		24 Hours	

Totalizer B Log Update Source (enter the source required)
Totalizer B Count Rate (if not automatically calculated)
Totalizer B Cut Off (enter the cut off value required)

5.21 Channel 21

Source ID (enter the input source required)

--

Filter Type (✓ the box required)

Instantaneous	
Average	
Minimum	
Maximum	
Max & Min	

Scale Type (✓ the box required)

Linear	
Log	

**Log Scale Only* (enter the values required)

*Low	
*High	

** Numerical Display* (✓ the box required)

*Exponential	
*Standard	

Standard Only (enter the values required)

High	
Low	

Input Type (✓ the input type required)

Off	
Millivolts	
Milliamps	
Volts	
Resistance	
3-Wire RTD	
Thermocouple	
Volt Free Digital Input	
24V Digital Input	

Linearizer Type (✓ the input type required)

Linear	
B	
C	
D	
E	
J	
K	
L	
N	
R	
S	
T	
PT100	
PT1000	
Ni120	
Ni1000	
Square Root	
3/2	
5/2	
Custom Linearizer 1	
Custom Linearizer 2	

Electrical Range (enter the values required)

Low	
High	

Engineering Range and Units (enter the values required)

Low	
High	
Units	

Tag (enter the tag required – 20 characters max.)

--

Filter Time Constant (0 to 60 Seconds)

--

Fault Detect Level (enter the tolerance level required [between 0 and 100% of the engineering range])

--

Broken Sensor Direction (✓ the drive direction required)

None	
Upscale	
Downscale	

Alarm A Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm A Tag (enter the tag required – 20 characters max.)
Alarm A Trip (enter the trip point value required)
Alarm A Hysteresis (enter the hysteresis value required)
Alarm A Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm A Enable Source

(enter a source to enable/disable the alarm)

Alarm A Log Enable (✓ the setting required)

On	
Off	

Alarm Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm A Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Alarm B Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm B Tag (enter the tag required – 20 characters max.)
Alarm B Trip (enter the trip point value required)
Alarm B Hysteresis (enter the hysteresis value required)
Alarm B Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm B Enable Source

(enter a source to enable/disable the alarm)

Alarm B Log Enable (✓ the setting required)

On	
Off	

Alarm B Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm B Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Alarm C Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm C Tag (enter the tag required – 20 characters max.)
Alarm C Trip (enter the trip point value required)
Alarm C Hysteresis (enter the hysteresis value required)
Alarm C Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm C Enable Source

(enter a source to enable/disable the alarm)

Alarm C Log Enable (✓ the setting required)

On	
Off	

Alarm C Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm C Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Alarm D Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm D Tag (enter the tag required – 20 characters max.)
Alarm D Trip (enter the trip point value required)
Alarm D Hysteresis (enter the hysteresis value required)
Alarm D Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm D Enable Source

(enter a source to enable/disable the alarm)

Alarm D Log Enable (✓ the setting required)

On	
Off	

Alarm D Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm D Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Totalizer A Mode (only if totalizer option enabled)

(✓ the setting required)

Off	
Standard (7 Digit)	
Standard (9 Digit)	
F0	

Totalizer A Direction (✓ the setting required)

Count Up	
Count Down	

Totalizer A Wrap (✓ the setting required)

On	
Off	

Totalizer A Tag (enter the tag required – 20 characters max.)
Totalizer A Units (enter the units required)
Totalizer A Stop/Go Recovery (✓ the action required)

Last	
Stop	
Go	

Totalizer A Stop/Go Source (enter the source required)
Totalizer A Reset Source (enter the source required)
F0 Only (enter the values required)

Target Temperature	
Z Value	

Totalizer A Timed Reset (✓ the required days)

Off	
Monday	
Tuesday	
Wednesday	
Thursday	
Friday	
Saturday	
Sunday	
1st of the Month	

Totalizer A Time (enter the values required)

Minutes	
Hours	

Totalizer A Count Range (enter the values required)

Preset Count	
Predetermined Count	
Intermediate Count	

Totalizer A Log Update Time (✓ the setting required)

Off		15 Minutes	
5 Seconds		20 Minutes	
10 Seconds		30 Minutes	
15 Seconds		60 Minutes	
30 Seconds		2 Hours	
60 Seconds		3 Hours	
90 Seconds		4 Hours	
3 Minutes		8 Hours	
5 Minutes		12 Hours	
10 Minutes		24 Hours	

Totalizer A Log Update Source (enter the source required)
Totalizer A Count Rate (if not automatically calculated)
Totalizer A Cut Off (enter the cut off value required)
Totalizer B Mode (only if totalizer option enabled)

(✓ the setting required)

Off	
Standard (7 Digit)	
Standard (9 Digit)	
F0	

Totalizer B Direction (✓ the setting required)

Count Up	
Count Down	

Totalizer B Wrap (✓ the setting required)

On	
Off	

Totalizer B Tag (enter the tag required – 20 characters max.)
Totalizer B Units (enter the units required)
Totalizer B Stop/Go Recovery (✓ the action required)

Last	
Stop	
Go	

Totalizer B Stop/Go Source (enter the source required)
Totalizer B Reset Source (enter the source required)

F0 Only (enter the values required)

Target Temperature	
Z Value	

Totalizer B Timed Reset (✓ the required days)

Off	
Monday	
Tuesday	
Wednesday	
Thursday	
Friday	
Saturday	
Sunday	
1st of the Month	

Totalizer B Time (enter the values required)

Minutes	
Hours	

Totalizer B Count Range (enter the values required)

Preset Count	
Predetermined Count	
Intermediate Count	

Totalizer B Log Update Time (✓ the setting required)

Off		15 Minutes	
5 Seconds		20 Minutes	
10 Seconds		30 Minutes	
15 Seconds		60 Minutes	
30 Seconds		2 Hours	
60 Seconds		3 Hours	
90 Seconds		4 Hours	
3 Minutes		8 Hours	
5 Minutes		12 Hours	
10 Minutes		24 Hours	

Totalizer B Log Update Source (enter the source required)
Totalizer B Count Rate (if not automatically calculated)
Totalizer B Cut Off (enter the cut off value required)

5.22 Channel 22

Source ID (enter the input source required)
Filter Type (✓ the box required)

Instantaneous	
Average	
Minimum	
Maximum	
Max & Min	

Scale Type (✓ the box required)

Linear	
Log	

**Log Scale Only* (enter the values required)

*Low	
*High	

** Numerical Display* (✓ the box required)

*Exponential	
*Standard	

Standard Only (enter the values required)

High	
Low	

Input Type (✓ the input type required)

Off	
Millivolts	
Milliamps	
Volts	
Resistance	
3-Wire RTD	
Thermocouple	
Volt Free Digital Input	
24V Digital Input	

Linearizer Type (✓ the input type required)

Linear	
B	
C	
D	
E	
J	
K	
L	
N	
R	
S	
T	
PT100	
PT1000	
Ni120	
Ni1000	
Square Root	
3/2	
5/2	
Custom Linearizer 1	
Custom Linearizer 2	

Electrical Range (enter the values required)

Low	
High	

Engineering Range and Units (enter the values required)

Low	
High	
Units	

Tag (enter the tag required – 20 characters max.)
Filter Time Constant (0 to 60 Seconds)
Fault Detect Level (enter the tolerance level required [between 0 and 100% of the engineering range])
Broken Sensor Direction (✓ the drive direction required)

None	
Upscale	
Downscale	

Alarm A Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm A Tag (enter the tag required – 20 characters max.)
Alarm A Trip (enter the trip point value required)
Alarm A Hysteresis (enter the hysteresis value required)
Alarm A Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm A Enable Source

(enter a source to enable/disable the alarm)

Alarm A Log Enable (✓ the setting required)

On	
Off	

Alarm Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm A Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Alarm B Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm B Tag (enter the tag required – 20 characters max.)
Alarm B Trip (enter the trip point value required)
Alarm B Hysteresis (enter the hysteresis value required)
Alarm B Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm B Enable Source

(enter a source to enable/disable the alarm)

Alarm B Log Enable (✓ the setting required)

On	
Off	

Alarm B Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm B Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Alarm C Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm C Tag (enter the tag required – 20 characters max.)
Alarm C Trip (enter the trip point value required)
Alarm C Hysteresis (enter the hysteresis value required)
Alarm C Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm C Enable Source

(enter a source to enable/disable the alarm)

Alarm C Log Enable (✓ the setting required)

On	
Off	

Alarm C Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm C Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Alarm D Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm D Tag (enter the tag required – 20 characters max.)
Alarm D Trip (enter the trip point value required)
Alarm D Hysteresis (enter the hysteresis value required)
Alarm D Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm D Enable Source

(enter a source to enable/disable the alarm)

Alarm D Log Enable (✓ the setting required)

On	
Off	

Alarm D Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm D Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Totalizer A Mode (only if totalizer option enabled)

(✓ the setting required)

Off	
Standard (7 Digit)	
Standard (9 Digit)	
F0	

Totalizer A Direction (✓ the setting required)

Count Up	
Count Down	

Totalizer A Wrap (✓ the setting required)

On	
Off	

Totalizer A Tag (enter the tag required – 20 characters max.)
Totalizer A Units (enter the units required)
Totalizer A Stop/Go Recovery (✓ the action required)

Last	
Stop	
Go	

Totalizer A Stop/Go Source (enter the source required)
Totalizer A Reset Source (enter the source required)
F0 Only (enter the values required)

Target Temperature	
Z Value	

Totalizer A Timed Reset (✓ the required days)

Off	
Monday	
Tuesday	
Wednesday	
Thursday	
Friday	
Saturday	
Sunday	
1st of the Month	

Totalizer A Time (enter the values required)

Minutes	
Hours	

Totalizer A Count Range (enter the values required)

Preset Count	
Predetermined Count	
Intermediate Count	

Totalizer A Log Update Time (✓ the setting required)

Off		15 Minutes	
5 Seconds		20 Minutes	
10 Seconds		30 Minutes	
15 Seconds		60 Minutes	
30 Seconds		2 Hours	
60 Seconds		3 Hours	
90 Seconds		4 Hours	
3 Minutes		8 Hours	
5 Minutes		12 Hours	
10 Minutes		24 Hours	

Totalizer A Log Update Source (enter the source required)
Totalizer A Count Rate (if not automatically calculated)
Totalizer A Cut Off (enter the cut off value required)
Totalizer B Mode (only if totalizer option enabled)
(✓ the setting required)

Off	
Standard (7 Digit)	
Standard (9 Digit)	
F0	

Totalizer B Direction (✓ the setting required)

Count Up	
Count Down	

Totalizer B Wrap (✓ the setting required)

On	
Off	

Totalizer B Tag (enter the tag required – 20 characters max.)
Totalizer B Units (enter the units required)
Totalizer B Stop/Go Recovery (✓ the action required)

Last	
Stop	
Go	

Totalizer B Stop/Go Source (enter the source required)
Totalizer B Reset Source (enter the source required)
F0 Only (enter the values required)

Target Temperature	
Z Value	

Totalizer B Timed Reset (✓ the required days)

Off	
Monday	
Tuesday	
Wednesday	
Thursday	
Friday	
Saturday	
Sunday	
1st of the Month	

Totalizer B Time (enter the values required)

Minutes	
Hours	

Totalizer B Count Range (enter the values required)

Preset Count	
Predetermined Count	
Intermediate Count	

Totalizer B Log Update Time (✓ the setting required)

Off		15 Minutes	
5 Seconds		20 Minutes	
10 Seconds		30 Minutes	
15 Seconds		60 Minutes	
30 Seconds		2 Hours	
60 Seconds		3 Hours	
90 Seconds		4 Hours	
3 Minutes		8 Hours	
5 Minutes		12 Hours	
10 Minutes		24 Hours	

Totalizer B Log Update Source (enter the source required)
Totalizer B Count Rate (if not automatically calculated)
Totalizer B Cut Off (enter the cut off value required)

5.23 Channel 23

Source ID (enter the input source required)

--	--

Filter Type (✓ the box required)

Instantaneous	
Average	
Minimum	
Maximum	
Max & Min	

Scale Type (✓ the box required)

Linear	
Log	

**Log Scale Only* (enter the values required)

*Low	
*High	

** Numerical Display* (✓ the box required)

*Exponential	
*Standard	

Standard Only (enter the values required)

High	
Low	

Input Type (✓ the input type required)

Off	
Millivolts	
Milliamps	
Volts	
Resistance	
3-Wire RTD	
Thermocouple	
Volt Free Digital Input	
24V Digital Input	

Linearizer Type (✓ the input type required)

Linear	
B	
C	
D	
E	
J	
K	
L	
N	
R	
S	
T	
PT100	
PT1000	
Ni120	
Ni1000	
Square Root	
3/2	
5/2	
Custom Linearizer 1	
Custom Linearizer 2	

Electrical Range (enter the values required)

Low	
High	

Engineering Range and Units (enter the values required)

Low	
High	
Units	

Tag (enter the tag required – 20 characters max.)

--

Filter Time Constant (0 to 60 Seconds)

--

Fault Detect Level (enter the tolerance level required [between 0 and 100% of the engineering range])

--

Broken Sensor Direction (✓ the drive direction required)

None	
Upscale	
Downscale	

Alarm A Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm A Tag (enter the tag required – 20 characters max.)
Alarm A Trip (enter the trip point value required)
Alarm A Hysteresis (enter the hysteresis value required)
Alarm A Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm A Enable Source

(enter a source to enable/disable the alarm)

Alarm A Log Enable (✓ the setting required)

On	
Off	

Alarm Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm A Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Alarm B Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm B Tag (enter the tag required – 20 characters max.)
Alarm B Trip (enter the trip point value required)
Alarm B Hysteresis (enter the hysteresis value required)
Alarm B Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm B Enable Source

(enter a source to enable/disable the alarm)

Alarm B Log Enable (✓ the setting required)

On	
Off	

Alarm B Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm B Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Alarm C Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm C Tag (enter the tag required – 20 characters max.)
Alarm C Trip (enter the trip point value required)
Alarm C Hysteresis (enter the hysteresis value required)
Alarm C Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm C Enable Source

(enter a source to enable/disable the alarm)

Alarm C Log Enable (✓ the setting required)

On	
Off	

Alarm C Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm C Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Alarm D Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm D Tag (enter the tag required – 20 characters max.)
Alarm D Trip (enter the trip point value required)
Alarm D Hysteresis (enter the hysteresis value required)
Alarm D Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm D Enable Source

(enter a source to enable/disable the alarm)

Alarm D Log Enable (✓ the setting required)

On	
Off	

Alarm D Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm D Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Totalizer A Mode (only if totalizer option enabled)

(✓ the setting required)

Off	
Standard (7 Digit)	
Standard (9 Digit)	
F0	

Totalizer A Direction (✓ the setting required)

Count Up	
Count Down	

Totalizer A Wrap (✓ the setting required)

On	
Off	

Totalizer A Tag (enter the tag required – 20 characters max.)
Totalizer A Units (enter the units required)
Totalizer A Stop/Go Recovery (✓ the action required)

Last	
Stop	
Go	

Totalizer A Stop/Go Source (enter the source required)
Totalizer A Reset Source (enter the source required)
F0 Only (enter the values required)

Target Temperature	
Z Value	

Totalizer A Timed Reset (✓ the required days)

Off	
Monday	
Tuesday	
Wednesday	
Thursday	
Friday	
Saturday	
Sunday	
1st of the Month	

Totalizer A Time (enter the values required)

Minutes	
Hours	

Totalizer A Count Range (enter the values required)

Preset Count	
Predetermined Count	
Intermediate Count	

Totalizer A Log Update Time (✓ the setting required)

Off		15 Minutes	
5 Seconds		20 Minutes	
10 Seconds		30 Minutes	
15 Seconds		60 Minutes	
30 Seconds		2 Hours	
60 Seconds		3 Hours	
90 Seconds		4 Hours	
3 Minutes		8 Hours	
5 Minutes		12 Hours	
10 Minutes		24 Hours	

Totalizer A Log Update Source (enter the source required)
Totalizer A Count Rate (if not automatically calculated)
Totalizer A Cut Off (enter the cut off value required)
Totalizer B Mode (only if totalizer option enabled)

(✓ the setting required)

Off	
Standard (7 Digit)	
Standard (9 Digit)	
F0	

Totalizer B Direction (✓ the setting required)

Count Up	
Count Down	

Totalizer B Wrap (✓ the setting required)

On	
Off	

Totalizer B Tag (enter the tag required – 20 characters max.)
Totalizer B Units (enter the units required)
Totalizer B Stop/Go Recovery (✓ the action required)

Last	
Stop	
Go	

Totalizer B Stop/Go Source (enter the source required)
Totalizer B Reset Source (enter the source required)

F0 Only (enter the values required)

Target Temperature	
Z Value	

Totalizer B Timed Reset (✓ the required days)

Off	
Monday	
Tuesday	
Wednesday	
Thursday	
Friday	
Saturday	
Sunday	
1st of the Month	

Totalizer B Time (enter the values required)

Minutes	
Hours	

Totalizer B Count Range (enter the values required)

Preset Count	
Predetermined Count	
Intermediate Count	

Totalizer B Log Update Time (✓ the setting required)

Off		15 Minutes	
5 Seconds		20 Minutes	
10 Seconds		30 Minutes	
15 Seconds		60 Minutes	
30 Seconds		2 Hours	
60 Seconds		3 Hours	
90 Seconds		4 Hours	
3 Minutes		8 Hours	
5 Minutes		12 Hours	
10 Minutes		24 Hours	

Totalizer B Log Update Source (enter the source required)
Totalizer B Count Rate (if not automatically calculated)
Totalizer B Cut Off (enter the cut off value required)

5.24 Channel 24

Source ID (enter the input source required)
Filter Type (✓ the box required)

Instantaneous	
Average	
Minimum	
Maximum	
Max & Min	

Scale Type (✓ the box required)

Linear	
Log	

**Log Scale Only* (enter the values required)

*Low	
*High	

** Numerical Display* (✓ the box required)

*Exponential	
*Standard	

Standard Only (enter the values required)

High	
Low	

Input Type (✓ the input type required)

Off	
Millivolts	
Milliamps	
Volts	
Resistance	
3-Wire RTD	
Thermocouple	
Volt Free Digital Input	
24V Digital Input	

Linearizer Type (✓ the input type required)

Linear	
B	
C	
D	
E	
J	
K	
L	
N	
R	
S	
T	
PT100	
PT1000	
Ni120	
Ni1000	
Square Root	
3/2	
5/2	
Custom Linearizer 1	
Custom Linearizer 2	

Electrical Range (enter the values required)

Low	
High	

Engineering Range and Units (enter the values required)

Low	
High	
Units	

Tag (enter the tag required – 20 characters max.)
Filter Time Constant (0 to 60 Seconds)
Fault Detect Level (enter the tolerance level required [between 0 and 100% of the engineering range])
Broken Sensor Direction (✓ the drive direction required)

None	
Upscale	
Downscale	

Alarm A Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm A Tag (enter the tag required – 20 characters max.)
Alarm A Trip (enter the trip point value required)
Alarm A Hysteresis (enter the hysteresis value required)
Alarm A Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm A Enable Source

(enter a source to enable/disable the alarm)

Alarm A Log Enable (✓ the setting required)

On	
Off	

Alarm Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm A Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Alarm B Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm B Tag (enter the tag required – 20 characters max.)
Alarm B Trip (enter the trip point value required)
Alarm B Hysteresis (enter the hysteresis value required)
Alarm B Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm B Enable Source

(enter a source to enable/disable the alarm)

Alarm B Log Enable (✓ the setting required)

On	
Off	

Alarm B Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm B Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Alarm C Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm C Tag (enter the tag required – 20 characters max.)
Alarm C Trip (enter the trip point value required)
Alarm C Hysteresis (enter the hysteresis value required)
Alarm C Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm C Enable Source

(enter a source to enable/disable the alarm)

Alarm C Log Enable (✓ the setting required)

On	
Off	

Alarm C Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm C Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Alarm D Type (✓ the alarm type required)

Off		High Annunciate	
High Process		Low Annunciate	
Low Process		Fast Rate	
High Latch		Slow Rate	
Low Latch		Delayed High Process	
		Delayed Low Process	

Alarm D Tag (enter the tag required – 20 characters max.)
Alarm D Trip (enter the trip point value required)
Alarm D Hysteresis (enter the hysteresis value required)
Alarm D Time Hysteresis (process and latch alarms only)
(enter the time hysteresis value required)
Alarm D Enable Source

(enter a source to enable/disable the alarm)

Alarm D Log Enable (✓ the setting required)

On	
Off	

Alarm D Acknowledge Timeout (✓ the setting required)

On	
Off	

Alarm D Alarm Group

(✓ the group or groups to which to assign the alarm)

None		Group 7	
Group 1		Group 8	
Group 2		Group 9	
Group 3		Group 10	
Group 4		Group 11	
Group 5		Group 12	
Group 6			

Totalizer A Mode (only if totalizer option enabled)

(✓ the setting required)

Off	
Standard (7 Digit)	
Standard (9 Digit)	
F0	

Totalizer A Direction (✓ the setting required)

Count Up	
Count Down	

Totalizer A Wrap (✓ the setting required)

On	
Off	

Totalizer A Tag (enter the tag required – 20 characters max.)
Totalizer A Units (enter the units required)
Totalizer A Stop/Go Recovery (✓ the action required)

Last	
Stop	
Go	

Totalizer A Stop/Go Source (enter the source required)
Totalizer A Reset Source (enter the source required)
F0 Only (enter the values required)

Target Temperature	
Z Value	

Totalizer A Timed Reset (✓ the required days)

Off	
Monday	
Tuesday	
Wednesday	
Thursday	
Friday	
Saturday	
Sunday	
1st of the Month	

Totalizer A Time (enter the values required)

Minutes	
Hours	

Totalizer A Count Range (enter the values required)

Preset Count	
Predetermined Count	
Intermediate Count	

Totalizer A Log Update Time (✓ the setting required)

Off		15 Minutes	
5 Seconds		20 Minutes	
10 Seconds		30 Minutes	
15 Seconds		60 Minutes	
30 Seconds		2 Hours	
60 Seconds		3 Hours	
90 Seconds		4 Hours	
3 Minutes		8 Hours	
5 Minutes		12 Hours	
10 Minutes		24 Hours	

Totalizer A Log Update Source (enter the source required)
Totalizer A Count Rate (if not automatically calculated)
Totalizer A Cut Off (enter the cut off value required)
Totalizer B Mode (only if totalizer option enabled)
(✓ the setting required)

Off	
Standard (7 Digit)	
Standard (9 Digit)	
F0	

Totalizer B Direction (✓ the setting required)

Count Up	
Count Down	

Totalizer B Wrap (✓ the setting required)

On	
Off	

Totalizer B Tag (enter the tag required – 20 characters max.)
Totalizer B Units (enter the units required)
Totalizer B Stop/Go Recovery (✓ the action required)

Last	
Stop	
Go	

Totalizer B Stop/Go Source (enter the source required)
Totalizer B Reset Source (enter the source required)
F0 Only (enter the values required)

Target Temperature	
Z Value	

Totalizer B Timed Reset (✓ the required days)

Off	
Monday	
Tuesday	
Wednesday	
Thursday	
Friday	
Saturday	
Sunday	
1st of the Month	

Totalizer B Time (enter the values required)

Minutes	
Hours	

Totalizer B Count Range (enter the values required)

Preset Count	
Predetermined Count	
Intermediate Count	

Totalizer B Log Update Time (✓ the setting required)

Off		15 Minutes	
5 Seconds		20 Minutes	
10 Seconds		30 Minutes	
15 Seconds		60 Minutes	
30 Seconds		2 Hours	
60 Seconds		3 Hours	
90 Seconds		4 Hours	
3 Minutes		8 Hours	
5 Minutes		12 Hours	
10 Minutes		24 Hours	

Totalizer B Log Update Source (enter the source required)
Totalizer B Count Rate (if not automatically calculated)
Totalizer B Cut Off (enter the cut off value required)

6 I/O module configuration

Relay F1 (fitted as standard)

Relay Source	
Polarity (✓ the polarity required)	
Positive	
Negative	

6.1 Relay module 1 (if fitted) position A, B, C or D

Relay 1

Relay Source	
Polarity (✓ the polarity required)	
Positive	
Negative	

Relay 2

Relay Source	
Polarity (✓ the polarity required)	
Positive	
Negative	

Relay 3

Relay Source	
Polarity (✓ the polarity required)	
Positive	
Negative	

Relay 4

Relay Source	
Polarity (✓ the polarity required)	
Positive	
Negative	

Relay 5

Relay Source	
Polarity (✓ the polarity required)	
Positive	
Negative	

Relay 6

Relay Source	
Polarity (✓ the polarity required)	
Positive	
Negative	

6.2 Relay module 2 (if fitted) position A, B, C or D

Relay 1

Relay Source	
Polarity (✓ the polarity required)	
Positive	
Negative	

Relay 2

Relay Source	
Polarity (✓ the polarity required)	
Positive	
Negative	

Relay 3

Relay Source	
Polarity (✓ the polarity required)	
Positive	
Negative	

Relay 4

Relay Source	
Polarity (✓ the polarity required)	
Positive	
Negative	

Relay 5

Relay Source	
Polarity (✓ the polarity required)	
Positive	
Negative	

Relay 6

Relay Source	
Polarity (✓ the polarity required)	
Positive	
Negative	

6.3 Relay module 3 (if fitted) position A, B, C or D

Relay 1

Relay Source	
Polarity (✓ the polarity required)	
Positive	
Negative	

Relay 2

Relay Source	
Polarity (✓ the polarity required)	
Positive	
Negative	

Relay 3

Relay Source	
Polarity (✓ the polarity required)	
Positive	
Negative	

Relay 4

Relay Source	
Polarity (✓ the polarity required)	
Positive	
Negative	

Relay 5

Relay Source	
Polarity (✓ the polarity required)	
Positive	
Negative	

Relay 6

Relay Source	
Polarity (✓ the polarity required)	
Positive	
Negative	

6.4 Relay module 4 (if fitted) position A, B, C or D

Relay 1

Relay Source	
Polarity (✓ the polarity required)	
Positive	
Negative	

Relay 2

Relay Source	
Polarity (✓ the polarity required)	
Positive	
Negative	

Relay 3

Relay Source	
Polarity (✓ the polarity required)	
Positive	
Negative	

Relay 4

Relay Source	
Polarity (✓ the polarity required)	
Positive	
Negative	

Relay 5

Relay Source	
Polarity (✓ the polarity required)	
Positive	
Negative	

Relay 6

Relay Source	
Polarity (✓ the polarity required)	
Positive	
Negative	

6.5 Hybrid module 1 (if fitted) position C or D

Output 1 (✓ the type required)

Analog	
Digital	
Tx PSU	

Analog/Digital Source

Digital Polarity (✓ the polarity required)

Positive	
Negative	

Analog Output (enter the values required)

Engineering Low	
Engineering High	
Electrical Low	
Electrical High	

Output 2 (✓ the type required)

Analog	
Digital	
Tx PSU	

Analog/Digital Source

Digital Polarity (✓ the polarity required)

Positive	
Negative	

Analog Output (enter the values required)

Engineering Low	
Engineering High	
Electrical Low	
Electrical High	

Output 3 (✓ the type required)

Analog	
Digital	
Tx PSU	

Analog/Digital Source

Digital Polarity (✓ the polarity required)

Positive	
Negative	

Analog Output (enter the values required)

Engineering Low	
Engineering High	
Electrical Low	
Electrical High	

Output 4 (✓ the type required)

Analog	
Digital	
Tx PSU	

Analog/Digital Source

Digital Polarity (✓ the polarity required)

Positive	
Negative	

Analog Output (enter the values required)

Engineering Low	
Engineering High	
Electrical Low	
Electrical High	

Output 5 (✓ the type required)

Analog	
Digital	
Tx PSU	

Analog/Digital Source

Digital Polarity (✓ the polarity required)

Positive	
Negative	

Analog Output (enter the values required)

Engineering Low	
Engineering High	
Electrical Low	
Electrical High	

Output 6 (✓ the type required)

Analog	
Digital	
Tx PSU	

Analog/Digital Source

Digital Polarity (✓ the polarity required)

Positive	
Negative	

Analog Output (enter the values required)

Engineering Low	
Engineering High	
Electrical Low	
Electrical High	

Digital Input 1 Polarity (✓ the polarity required)

Positive	
Negative	

Digital Input 2 Polarity (✓ the polarity required)

Positive	
Negative	

Digital Input 3 Polarity (✓ the polarity required)

Positive	
Negative	

Digital Input 4 Polarity (✓ the polarity required)

Positive	
Negative	

Digital Input 5 Polarity (✓ the polarity required)

Positive	
Negative	

6.6 Hybrid module 2 (if fitted) position C or D

Output 1 (✓ the type required)

Analog	
Digital	
Tx PSU	

Analog/Digital Source

Digital Polarity (✓ the polarity required)

Positive	
Negative	

Analog Output (enter the values required)

Engineering Low	
Engineering High	
Electrical Low	
Electrical High	

Output 2 (✓ the type required)

Analog	
Digital	
Tx PSU	

Analog/Digital Source

Digital Polarity (✓ the polarity required)

Positive	
Negative	

Analog Output (enter the values required)

Engineering Low	
Engineering High	
Electrical Low	
Electrical High	

Output 3 (✓ the type required)

Analog	
Digital	
Tx PSU	

Analog/Digital Source

Digital Polarity (✓ the polarity required)

Positive	
Negative	

Analog Output (enter the values required)

Engineering Low	
Engineering High	
Electrical Low	
Electrical High	

Output 4 (✓ the type required)

Analog	
Digital	
Tx PSU	

Analog/Digital Source

--

Digital Polarity (✓ the polarity required)

Positive	
Negative	

Analog Output (enter the values required)

Engineering Low	
Engineering High	
Electrical Low	
Electrical High	

Output 5 (✓ the type required)

Analog	
Digital	
Tx PSU	

Analog/Digital Source

--

Digital Polarity (✓ the polarity required)

Positive	
Negative	

Analog Output (enter the values required)

Engineering Low	
Engineering High	
Electrical Low	
Electrical High	

Output 6 (✓ the type required)

Analog	
Digital	
Tx PSU	

Analog/Digital Source

--

Digital Polarity (✓ the polarity required)

Positive	
Negative	

Analog Output (enter the values required)

Engineering Low	
Engineering High	
Electrical Low	
Electrical High	

Digital Input 1 Polarity (✓ the polarity required)

Positive	
Negative	

Digital Input 2 Polarity (✓ the polarity required)

Positive	
Negative	

Digital Input 3 Polarity (✓ the polarity required)

Positive	
Negative	

Digital Input 4 Polarity (✓ the polarity required)

Positive	
Negative	

Digital Input 5 Polarity (✓ the polarity required)

Positive	
Negative	

6.7 MODBUS communications module

Type (✓ the type required)

RS485 MODBUS	
TCP MODBUS	

Protocol (✓ the option required)

MODBUS Slave	
MODBUS Master	

RS485 Connection (✓ the required option)

Two Wire	
Four Wire	

Baud Rate (✓ the baud rate required)

1200		19200	
2400		38400	
4800		115200	
9600			

Parity (✓ the parity required)

None	
Odd	
Even	

Address

MODBUS Master Only

Poll Rate	
Poll Failure Limit	
Response Time Out	

6.7.1 Comms analog I/P

Note. These parameters are configured only if the **Protocol** parameter is to be set to *Modbus Master*.

Comms Analog I/P (✓ the input required)

Comms AIN 1		Comms AIN 13	
Comms AIN 2		Comms AIN 14	
Comms AIN 3		Comms AIN 15	
Comms AIN 4		Comms AIN 16	
Comms AIN 5		Comms AIN 17	
Comms AIN 6		Comms AIN 18	
Comms AIN 7		Comms AIN 19	
Comms AIN 8		Comms AIN 20	
Comms AIN 9		Comms AIN 21	
Comms AIN 10		Comms AIN 22	
Comms AIN 11		Comms AIN 23	
Comms AIN 12		Comms AIN 24	

IP-Address or RTU Address (enter the address required between 1 and 247)

Register Number

(enter the register number required between 0 and 65535)

Type (✓ the type required)

Input Register		Holding Register	
----------------	--	------------------	--

Format (✓ the format required)

Sint16		IEEE	
Sint32		Reverse IEEE	
Reverse Sint32			

(repeat above as necessary)

6.7.2 Comms digital I/P tab

Note. These parameters are configured only if the **Protocol** parameter is to be set to *Modbus Master*.

Comms Digital I/P (✓ the input required)

Comms Dig I/P 1		Comms Dig I/P 13	
Comms Dig I/P 2		Comms Dig I/P 14	
Comms Dig I/P 3		Comms Dig I/P 15	
Comms Dig I/P 4		Comms Dig I/P 16	
Comms Dig I/P 5		Comms Dig I/P 17	
Comms Dig I/P 6		Comms Dig I/P 18	
Comms Dig I/P 7		Comms Dig I/P 19	
Comms Dig I/P 8		Comms Dig I/P 20	
Comms Dig I/P 9		Comms Dig I/P 21	
Comms Dig I/P 10		Comms Dig I/P 22	
Comms Dig I/P 11		Comms Dig I/P 23	
Comms Dig I/P 12		Comms Dig I/P 24	

IP-Address or RTU Address (enter the address required between 1 and 247)

Register Number

(enter the register number required between 0 and 65535)

Type (✓ the type required)

Input Status		Coil Status	
--------------	--	-------------	--

(repeat above as necessary)

6.8 Ethernet module configuration

DHCP (✓ the required box)

Enabled	
Disabled	

if DHCP disabled:

IP Address (enter the address required)

Subnet Mask (enter the subnet mask required)

Default Gateway (enter the default gateway required)

FTP User 1 (enter the settings required)

Name	
Password	

Access Level (✓ the setting required)

Full		Read Only	
------	--	-----------	--

Remote Operation (✓ the setting required)

None		Operator		Configuration	
------	--	----------	--	---------------	--

FTP User 2 (enter the settings required)

Name	
Password	

Access Level (✓ the setting required)

Full		Read Only	
------	--	-----------	--

Remote Operation (✓ the setting required)

None		Operator		Configuration	
------	--	----------	--	---------------	--

FTP User 3 (enter the settings required)

Name	
Password	

Access Level (✓ the setting required)

Full		Read Only	
------	--	-----------	--

Remote Operation (✓ the setting required)

None		Operator		Configuration	
------	--	----------	--	---------------	--

FTP User 4 (enter the settings required)

Name	
Password	

Access Level (✓ the setting required)

Full		Read Only	
------	--	-----------	--

Remote Operation (✓ the setting required)

None		Operator		Configuration	
------	--	----------	--	---------------	--

6.8.1 e-mail 1

SMTP Server IP Address (enter the address required)

--

Recipients (enter the addresses of the email recipients)

Recipient 1	
Recipient 2	
Recipient 3	

Options Enabled (✓ the option(s) required)

Channels Report	
Totalizers Report	
External Media Report	
Report in ALL emails	
Trigger 6 Inverted	
Trigger 7 Inverted	
Trigger 8 Inverted	
Trigger 9 Inverted	
Trigger 10 Inverted	

Event Triggers

(enter up to 10 event source types to generate an email)

Trigger 1	
Trigger 2	
Trigger 3	
Trigger 4	
Trigger 5	
Trigger 6	
Trigger 7	
Trigger 8	
Trigger 9	
Trigger 10	

6.8.2 e-mail 2

SMTP Server IP Address (enter the address required)

--

Recipients (enter the addresses of the email recipients)

Recipient 1	
Recipient 2	
Recipient 3	

Options Enabled (✓ the option(s) required)

Channels Report	
Totalizers Report	
External Media Report	
Report in ALL emails	
Trigger 6 Inverted	
Trigger 7 Inverted	
Trigger 8 Inverted	
Trigger 9 Inverted	
Trigger 10 Inverted	

Event Triggers

(enter up to 10 event source types to generate an email)

Trigger 1	
Trigger 2	
Trigger 3	
Trigger 4	
Trigger 5	
Trigger 6	
Trigger 7	
Trigger 8	
Trigger 9	
Trigger 10	

7 Functions

7.1 Custom linearizer 1

Break points (If % known please complete. If not, completed by factory)

Number	Eng Range	%	Elect Range	%
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				

7.2 Custom linearizer 2

Break points (If % known please complete. If not, completed by factory)

Number	Eng Range	%	Elect Range	%
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				

7.3 Real time alarms

Real Time Alarm 1

Monday (✓)	
Tuesday (✓)	
Wednesday (✓)	
Thursday (✓)	
Friday (✓)	
Saturday (✓)	
Sunday (✓)	
1st of Month (✓)	

On Time	
Duration	
Log Enable	

Real Time Alarm 2

Monday (✓)	
Tuesday (✓)	
Wednesday (✓)	
Thursday (✓)	
Friday (✓)	
Saturday (✓)	
Sunday (✓)	
1st of Month (✓)	

On Time	
Duration	
Log Enable	

Real Time Alarm 3

Monday (✓)	
Tuesday (✓)	
Wednesday (✓)	
Thursday (✓)	
Friday (✓)	
Saturday (✓)	
Sunday (✓)	
1st of Month (✓)	

On Time	
Duration	
Log Enable	

Real Time Alarm 4

Monday (✓)	
Tuesday (✓)	
Wednesday (✓)	
Thursday (✓)	
Friday (✓)	
Saturday (✓)	
Sunday (✓)	
1st of Month (✓)	

On Time	
Duration	
Log Enable	

8 Logic equations

Logic Equation 1 (x if not inverted*)

Operand 1		Invert*
Operator 1		
Operand 2		Invert*
Operator 2		
Operand 3		Invert*
Operator 3		
Operand 4		Invert*
Operator 4		
Operand 5		Invert*
Operator 5		
Operand 6		Invert*
Operator 6	End	

Logic Equation 4 (x if not inverted*)

Operand 1		Invert*
Operator 1		
Operand 2		Invert*
Operator 2		
Operand 3		Invert*
Operator 3		
Operand 4		Invert*
Operator 4		
Operand 5		Invert*
Operator 5		
Operand 6		Invert*
Operator 6	End	

Logic Equation 2 (x if not inverted*)

Operand 1		Invert*
Operator 1		
Operand 2		Invert*
Operator 2		
Operand 3		Invert*
Operator 3		
Operand 4		Invert*
Operator 4		
Operand 5		Invert*
Operator 5		
Operand 6		Invert*
Operator 6	End	

Logic Equation 5 (x if not inverted*)

Operand 1		Invert*
Operator 1		
Operand 2		Invert*
Operator 2		
Operand 3		Invert*
Operator 3		
Operand 4		Invert*
Operator 4		
Operand 5		Invert*
Operator 5		
Operand 6		Invert*
Operator 6	End	

Logic Equation 3 (x if not inverted*)

Operand 1		Invert*
Operator 1		
Operand 2		Invert*
Operator 2		
Operand 3		Invert*
Operator 3		
Operand 4		Invert*
Operator 4		
Operand 5		Invert*
Operator 5		
Operand 6		Invert*
Operator 6	End	

Logic Equation 6 (x if not inverted*)

Operand 1		Invert*
Operator 1		
Operand 2		Invert*
Operator 2		
Operand 3		Invert*
Operator 3		
Operand 4		Invert*
Operator 4		
Operand 5		Invert*
Operator 5		
Operand 6		Invert*
Operator 6	End	

Logic Equation 7 (x if not inverted*)

Operand 1		Invert*
Operator 1		
Operand 2		Invert*
Operator 2		
Operand 3		Invert*
Operator 3		
Operand 4		Invert*
Operator 4		
Operand 5		Invert*
Operator 5		
Operand 6		Invert*
Operator 6	End	

Logic Equation 10 (x if not inverted*)

Operand 1		Invert*
Operator 1		
Operand 2		Invert*
Operator 2		
Operand 3		Invert*
Operator 3		
Operand 4		Invert*
Operator 4		
Operand 5		Invert*
Operator 5		
Operand 6		Invert*
Operator 6	End	

Logic Equation 8 (x if not inverted*)

Operand 1		Invert*
Operator 1		
Operand 2		Invert*
Operator 2		
Operand 3		Invert*
Operator 3		
Operand 4		Invert*
Operator 4		
Operand 5		Invert*
Operator 5		
Operand 6		Invert*
Operator 6	End	

Logic Equation 11 (x if not inverted*)

Operand 1		Invert*
Operator 1		
Operand 2		Invert*
Operator 2		
Operand 3		Invert*
Operator 3		
Operand 4		Invert*
Operator 4		
Operand 5		Invert*
Operator 5		
Operand 6		Invert*
Operator 6	End	

Logic Equation 9 (x if not inverted*)

Operand 1		Invert*
Operator 1		
Operand 2		Invert*
Operator 2		
Operand 3		Invert*
Operator 3		
Operand 4		Invert*
Operator 4		
Operand 5		Invert*
Operator 5		
Operand 6		Invert*
Operator 6	End	

Logic Equation 12 (x if not inverted*)

Operand 1		Invert*
Operator 1		
Operand 2		Invert*
Operator 2		
Operand 3		Invert*
Operator 3		
Operand 4		Invert*
Operator 4		
Operand 5		Invert*
Operator 5		
Operand 6		Invert*
Operator 6	End	

Logic Equation 13 (x if not inverted*)

Operand 1		Invert*
Operator 1		
Operand 2		Invert*
Operator 2		
Operand 3		Invert*
Operator 3		
Operand 4		Invert*
Operator 4		
Operand 5		Invert*
Operator 5		
Operand 6		Invert*
Operator 6	End	

Logic Equation 16 (x if not inverted*)

Operand 1		Invert*
Operator 1		
Operand 2		Invert*
Operator 2		
Operand 3		Invert*
Operator 3		
Operand 4		Invert*
Operator 4		
Operand 5		Invert*
Operator 5		
Operand 6		Invert*
Operator 6	End	

Logic Equation 14 (x if not inverted*)

Operand 1		Invert*
Operator 1		
Operand 2		Invert*
Operator 2		
Operand 3		Invert*
Operator 3		
Operand 4		Invert*
Operator 4		
Operand 5		Invert*
Operator 5		
Operand 6		Invert*
Operator 6	End	

Logic Equation 17 (x if not inverted*)

Operand 1		Invert*
Operator 1		
Operand 2		Invert*
Operator 2		
Operand 3		Invert*
Operator 3		
Operand 4		Invert*
Operator 4		
Operand 5		Invert*
Operator 5		
Operand 6		Invert*
Operator 6	End	

Logic Equation 15 (x if not inverted*)

Operand 1		Invert*
Operator 1		
Operand 2		Invert*
Operator 2		
Operand 3		Invert*
Operator 3		
Operand 4		Invert*
Operator 4		
Operand 5		Invert*
Operator 5		
Operand 6		Invert*
Operator 6	End	

Logic Equation 18 (x if not inverted*)

Operand 1		Invert*
Operator 1		
Operand 2		Invert*
Operator 2		
Operand 3		Invert*
Operator 3		
Operand 4		Invert*
Operator 4		
Operand 5		Invert*
Operator 5		
Operand 6		Invert*
Operator 6	End	

Logic Equation 19 (x if not inverted*)

Operand 1		Invert*
Operator 1		
Operand 2		Invert*
Operator 2		
Operand 3		Invert*
Operator 3		
Operand 4		Invert*
Operator 4		
Operand 5		Invert*
Operator 5		
Operand 6		Invert*
Operator 6	End	

Logic Equation 22 (x if not inverted*)

Operand 1		Invert*
Operator 1		
Operand 2		Invert*
Operator 2		
Operand 3		Invert*
Operator 3		
Operand 4		Invert*
Operator 4		
Operand 5		Invert*
Operator 5		
Operand 6		Invert*
Operator 6	End	

Logic Equation 20 (x if not inverted*)

Operand 1		Invert*
Operator 1		
Operand 2		Invert*
Operator 2		
Operand 3		Invert*
Operator 3		
Operand 4		Invert*
Operator 4		
Operand 5		Invert*
Operator 5		
Operand 6		Invert*
Operator 6	End	

Logic Equation 23 (x if not inverted*)

Operand 1		Invert*
Operator 1		
Operand 2		Invert*
Operator 2		
Operand 3		Invert*
Operator 3		
Operand 4		Invert*
Operator 4		
Operand 5		Invert*
Operator 5		
Operand 6		Invert*
Operator 6	End	

Logic Equation 21 (x if not inverted*)

Operand 1		Invert*
Operator 1		
Operand 2		Invert*
Operator 2		
Operand 3		Invert*
Operator 3		
Operand 4		Invert*
Operator 4		
Operand 5		Invert*
Operator 5		
Operand 6		Invert*
Operator 6	End	

Logic Equation 24 (x if not inverted*)

Operand 1		Invert*
Operator 1		
Operand 2		Invert*
Operator 2		
Operand 3		Invert*
Operator 3		
Operand 4		Invert*
Operator 4		
Operand 5		Invert*
Operator 5		
Operand 6		Invert*
Operator 6	End	

9 Math equations

9.1 Math block 1

Math Block Type (✓ the box required)

Standard	
Trigonometric	
Statistical	
Logarithmic	
Special	
Switch	
Power	

Standard Math Block set up (note equation here)

--

Trigonometric

Cos (variable X) R	
Sin (variable X) R	
Tan (Variable X) R	
Cos (variable X) D	
Sin (variable X) D	
Tan (Variable X) D	

9.1.1 Statistical functions

Average

Source to average (X)	
Number of Samples (n)	
Sample rate (t)	

Rolling Average

Source to average (X)	
Number of Samples (n)	
Sample rate (t)	

Standard Deviation

Source to average (X)	
Number of Samples (n)	
Sample rate (t)	

Logarithmic Functions

Log (Variable X)	
Natural Log (Variable X)	
Exponential (variable X)	

9.1.2 Special functions

Relative humidity function

Wet Bulb source	
Dry Bulb Source	

Abs (x)	
---------	--

9.1.3 Switch functions

High Selector

Source 1 (x)	
Source 2 (y)	
Source 3 (z)	

Median Selector

Source 1 (x)	
Source 2 (y)	
Source 3 (z)	

Low Selector

Source 1 (x)	
Source 2 (y)	
Source 3 (z)	

Multiplexer

Source 1 (x)	
Digital Source	
Source 2 (y)	

9.1.4 Power functions

Power

Variable (x)	
Power (a)	

Square Root

Variable (x)	
--------------	--

9.2 Math block 2

Math Block Type (✓ the box required)

Standard	
Trigonometric	
Statistical	
Logarithmic	
Special	
Switch	
Power	

Standard Math Block set up (note equation here)

--

Trigonometric

Cos (variable X) R	
Sin (variable X) R	
Tan (Variable X) R	
Cos (variable X) D	
Sin (variable X) D	
Tan (Variable X) D	

9.2.1 Statistical functions

Average

Source to average (X)	
Number of Samples (n)	
Sample rate (t)	

Rolling Average

Source to average (X)	
Number of Samples (n)	
Sample rate (t)	

Standard Deviation

Source to average (X)	
Number of Samples (n)	
Sample rate (t)	

Logarithmic Functions

Log (Variable X)	
Natural Log (Variable X)	
Exponential (variable X)	

9.2.2 Special functions

Relative humidity function

Wet Bulb source	
Dry Bulb Source	

Abs (x)	
---------	--

9.2.3 Switch functions

High Selector

Source 1 (x)	
Source 2 (y)	
Source 3 (z)	

Median Selector

Source 1 (x)	
Source 2 (y)	
Source 3 (z)	

Low Selector

Source 1 (x)	
Source 2 (y)	
Source 3 (z)	

Multiplexer

Source 1 (x)	
Digital Source	
Source 2 (y)	

9.2.4 Power functions

Power

Variable (x)	
Power (a)	

Square Root

Variable (x)	
--------------	--

9.3 Math block 3

Math Block Type (✓ the box required)

Standard	
Trigonometric	
Statistical	
Logarithmic	
Special	
Switch	
Power	

Standard Math Block set up (note equation here)

--

Trigonometric

Cos (variable X) R	
Sin (variable X) R	
Tan (Variable X) R	
Cos (variable X) D	
Sin (variable X) D	
Tan (Variable X) D	

9.3.1 Statistical functions

Average

Source to average (X)	
Number of Samples (n)	
Sample rate (t)	

Rolling Average

Source to average (X)	
Number of Samples (n)	
Sample rate (t)	

Standard Deviation

Source to average (X)	
Number of Samples (n)	
Sample rate (t)	

Logarithmic Functions

Log (Variable X)	
Natural Log (Variable X)	
Exponential (variable X)	

9.3.2 Special functions

Relative humidity function

Wet Bulb source	
Dry Bulb Source	

Abs (x)	
---------	--

9.3.3 Switch functions

High Selector

Source 1 (x)	
Source 2 (y)	
Source 3 (z)	

Median Selector

Source 1 (x)	
Source 2 (y)	
Source 3 (z)	

Low Selector

Source 1 (x)	
Source 2 (y)	
Source 3 (z)	

Multiplexer

Source 1 (x)	
Digital Source	
Source 2 (y)	

9.3.4 Power functions

Power

Variable (x)	
Power (a)	

Square Root

Variable (x)	
--------------	--

9.4 Math block 4

Math Block Type (✓ the box required)

Standard	
Trigonometric	
Statistical	
Logarithmic	
Special	
Switch	
Power	

Standard Math Block set up (note equation here)

--

Trigonometric

Cos (variable X) R	
Sin (variable X) R	
Tan (Variable X) R	
Cos (variable X) D	
Sin (variable X) D	
Tan (Variable X) D	

9.4.1 Statistical functions

Average

Source to average (X)	
Number of Samples (n)	
Sample rate (t)	

Rolling Average

Source to average (X)	
Number of Samples (n)	
Sample rate (t)	

Standard Deviation

Source to average (X)	
Number of Samples (n)	
Sample rate (t)	

Logarithmic Functions

Log (Variable X)	
Natural Log (Variable X)	
Exponential (variable X)	

9.4.2 Special functions

Relative humidity function

Wet Bulb source	
Dry Bulb Source	

Abs (x)	
---------	--

9.4.3 Switch functions

High Selector

Source 1 (x)	
Source 2 (y)	
Source 3 (z)	

Median Selector

Source 1 (x)	
Source 2 (y)	
Source 3 (z)	

Low Selector

Source 1 (x)	
Source 2 (y)	
Source 3 (z)	

Multiplexer

Source 1 (x)	
Digital Source	
Source 2 (y)	

9.4.4 Power functions

Power

Variable (x)	
Power (a)	

Square Root

Variable (x)	
--------------	--

9.5 Math block 5

Math Block Type (✓ the box required)

Standard	
Trigonometric	
Statistical	
Logarithmic	
Special	
Switch	
Power	

Standard Math Block set up (note equation here)

--

Trigonometric

Cos (variable X) R	
Sin (variable X) R	
Tan (Variable X) R	
Cos (variable X) D	
Sin (variable X) D	
Tan (Variable X) D	

9.5.1 Statistical functions

Average

Source to average (X)	
Number of Samples (n)	
Sample rate (t)	

Rolling Average

Source to average (X)	
Number of Samples (n)	
Sample rate (t)	

Standard Deviation

Source to average (X)	
Number of Samples (n)	
Sample rate (t)	

Logarithmic Functions

Log (Variable X)	
Natural Log (Variable X)	
Exponential (variable X)	

9.5.2 Special functions

Relative humidity function

Wet Bulb source	
Dry Bulb Source	

Abs (x)	
---------	--

9.5.3 Switch functions

High Selector

Source 1 (x)	
Source 2 (y)	
Source 3 (z)	

Median Selector

Source 1 (x)	
Source 2 (y)	
Source 3 (z)	

Low Selector

Source 1 (x)	
Source 2 (y)	
Source 3 (z)	

Multiplexer

Source 1 (x)	
Digital Source	
Source 2 (y)	

9.5.4 Power functions

Power

Variable (x)	
Power (a)	

Square Root

Variable (x)	
--------------	--

9.6 Math block 6

Math Block Type (✓ the box required)

Standard	
Trigonometric	
Statistical	
Logarithmic	
Special	
Switch	
Power	

Standard Math Block set up (note equation here)

--

Trigonometric

Cos (variable X) R	
Sin (variable X) R	
Tan (Variable X) R	
Cos (variable X) D	
Sin (variable X) D	
Tan (Variable X) D	

9.6.1 Statistical functions

Average

Source to average (X)	
Number of Samples (n)	
Sample rate (t)	

Rolling Average

Source to average (X)	
Number of Samples (n)	
Sample rate (t)	

Standard Deviation

Source to average (X)	
Number of Samples (n)	
Sample rate (t)	

Logarithmic Functions

Log (Variable X)	
Natural Log (Variable X)	
Exponential (variable X)	

9.6.2 Special functions

Relative humidity function

Wet Bulb source	
Dry Bulb Source	

Abs (x)	
---------	--

9.6.3 Switch functions

High Selector

Source 1 (x)	
Source 2 (y)	
Source 3 (z)	

Median Selector

Source 1 (x)	
Source 2 (y)	
Source 3 (z)	

Low Selector

Source 1 (x)	
Source 2 (y)	
Source 3 (z)	

Multiplexer

Source 1 (x)	
Digital Source	
Source 2 (y)	

9.6.4 Power functions

Power

Variable (x)	
Power (a)	

Square Root

Variable (x)	
--------------	--

9.7 Math block 7

Math Block Type (✓ the box required)

Standard	
Trigonometric	
Statistical	
Logarithmic	
Special	
Switch	
Power	

Standard Math Block set up (note equation here)

--

Trigonometric

Cos (variable X) R	
Sin (variable X) R	
Tan (Variable X) R	
Cos (variable X) D	
Sin (variable X) D	
Tan (Variable X) D	

9.7.1 Statistical functions

Average

Source to average (X)	
Number of Samples (n)	
Sample rate (t)	

Rolling Average

Source to average (X)	
Number of Samples (n)	
Sample rate (t)	

Standard Deviation

Source to average (X)	
Number of Samples (n)	
Sample rate (t)	

Logarithmic Functions

Log (Variable X)	
Natural Log (Variable X)	
Exponential (variable X)	

9.7.2 Special functions

Relative humidity function

Wet Bulb source	
Dry Bulb Source	

Abs (x)	
---------	--

9.7.3 Switch functions

High Selector

Source 1 (x)	
Source 2 (y)	
Source 3 (z)	

Median Selector

Source 1 (x)	
Source 2 (y)	
Source 3 (z)	

Low Selector

Source 1 (x)	
Source 2 (y)	
Source 3 (z)	

Multiplexer

Source 1 (x)	
Digital Source	
Source 2 (y)	

9.7.4 Power functions

Power

Variable (x)	
Power (a)	

Square Root

Variable (x)	
--------------	--

9.8 Math block 8

Math Block Type (✓ the box required)

Standard	
Trigonometric	
Statistical	
Logarithmic	
Special	
Switch	
Power	

Standard Math Block set up (note equation here)

--

Trigonometric

Cos (variable X) R	
Sin (variable X) R	
Tan (Variable X) R	
Cos (variable X) D	
Sin (variable X) D	
Tan (Variable X) D	

9.8.1 Statistical functions

Average

Source to average (X)	
Number of Samples (n)	
Sample rate (t)	

Rolling Average

Source to average (X)	
Number of Samples (n)	
Sample rate (t)	

Standard Deviation

Source to average (X)	
Number of Samples (n)	
Sample rate (t)	

Logarithmic Functions

Log (Variable X)	
Natural Log (Variable X)	
Exponential (variable X)	

9.8.2 Special functions

Relative humidity function

Wet Bulb source	
Dry Bulb Source	

Abs (x)	
---------	--

9.8.3 Switch functions

High Selector

Source 1 (x)	
Source 2 (y)	
Source 3 (z)	

Median Selector

Source 1 (x)	
Source 2 (y)	
Source 3 (z)	

Low Selector

Source 1 (x)	
Source 2 (y)	
Source 3 (z)	

Multiplexer

Source 1 (x)	
Digital Source	
Source 2 (y)	

9.8.4 Power functions

Power

Variable (x)	
Power (a)	

Square Root

Variable (x)	
--------------	--

9.9 Math block 9

Math Block Type (✓ the box required)

Standard	
Trigonometric	
Statistical	
Logarithmic	
Special	
Switch	
Power	

Standard Math Block set up (note equation here)

--

Trigonometric

Cos (variable X) R	
Sin (variable X) R	
Tan (Variable X) R	
Cos (variable X) D	
Sin (variable X) D	
Tan (Variable X) D	

9.9.1 Statistical functions

Average

Source to average (X)	
Number of Samples (n)	
Sample rate (t)	

Rolling Average

Source to average (X)	
Number of Samples (n)	
Sample rate (t)	

Standard Deviation

Source to average (X)	
Number of Samples (n)	
Sample rate (t)	

Logarithmic Functions

Log (Variable X)	
Natural Log (Variable X)	
Exponential (variable X)	

9.9.2 Special functions

Relative humidity function

Wet Bulb source	
Dry Bulb Source	

Abs (x)	
---------	--

9.9.3 Switch functions

High Selector

Source 1 (x)	
Source 2 (y)	
Source 3 (z)	

Median Selector

Source 1 (x)	
Source 2 (y)	
Source 3 (z)	

Low Selector

Source 1 (x)	
Source 2 (y)	
Source 3 (z)	

Multiplexer

Source 1 (x)	
Digital Source	
Source 2 (y)	

9.9.4 Power functions

Power

Variable (x)	
Power (a)	

Square Root

Variable (x)	
--------------	--

9.10 Math block 10

Math Block Type (✓ the box required)

Standard	
Trigonometric	
Statistical	
Logarithmic	
Special	
Switch	
Power	

Standard Math Block set up (note equation here)

--

Trigonometric

Cos (variable X) R	
Sin (variable X) R	
Tan (Variable X) R	
Cos (variable X) D	
Sin (variable X) D	
Tan (Variable X) D	

9.10.1 Statistical functions

Average

Source to average (X)	
Number of Samples (n)	
Sample rate (t)	

Rolling Average

Source to average (X)	
Number of Samples (n)	
Sample rate (t)	

Standard Deviation

Source to average (X)	
Number of Samples (n)	
Sample rate (t)	

Logarithmic Functions

Log (Variable X)	
Natural Log (Variable X)	
Exponential (variable X)	

9.10.2 Special functions

Relative humidity function

Wet Bulb source	
Dry Bulb Source	

Abs (x)	
---------	--

9.10.3 Switch functions

High Selector

Source 1 (x)	
Source 2 (y)	
Source 3 (z)	

Median Selector

Source 1 (x)	
Source 2 (y)	
Source 3 (z)	

Low Selector

Source 1 (x)	
Source 2 (y)	
Source 3 (z)	

Multiplexer

Source 1 (x)	
Digital Source	
Source 2 (y)	

9.10.4 Power functions

Power

Variable (x)	
Power (a)	

Square Root

Variable (x)	
--------------	--

9.11 Math block 11

Math Block Type (✓ the box required)

Standard	
Trigonometric	
Statistical	
Logarithmic	
Special	
Switch	
Power	

Standard Math Block set up (note equation here)

--

Trigonometric

Cos (variable X) R	
Sin (variable X) R	
Tan (Variable X) R	
Cos (variable X) D	
Sin (variable X) D	
Tan (Variable X) D	

9.11.1 Statistical functions

Average

Source to average (X)	
Number of Samples (n)	
Sample rate (t)	

Rolling Average

Source to average (X)	
Number of Samples (n)	
Sample rate (t)	

Standard Deviation

Source to average (X)	
Number of Samples (n)	
Sample rate (t)	

Logarithmic Functions

Log (Variable X)	
Natural Log (Variable X)	
Exponential (variable X)	

9.11.2 Special functions

Relative humidity function

Wet Bulb source	
Dry Bulb Source	

Abs (x)	
---------	--

9.11.3 Switch functions

High Selector

Source 1 (x)	
Source 2 (y)	
Source 3 (z)	

Median Selector

Source 1 (x)	
Source 2 (y)	
Source 3 (z)	

Low Selector

Source 1 (x)	
Source 2 (y)	
Source 3 (z)	

Multiplexer

Source 1 (x)	
Digital Source	
Source 2 (y)	

9.11.4 Power functions

Power

Variable (x)	
Power (a)	

Square Root

Variable (x)	
--------------	--

9.12 Math block 12

Math Block Type (✓ the box required)

Standard	
Trigonometric	
Statistical	
Logarithmic	
Special	
Switch	
Power	

Standard Math Block set up (note equation here)

--

Trigonometric

Cos (variable X) R	
Sin (variable X) R	
Tan (Variable X) R	
Cos (variable X) D	
Sin (variable X) D	
Tan (Variable X) D	

9.12.1 Statistical functions

Average

Source to average (X)	
Number of Samples (n)	
Sample rate (t)	

Rolling Average

Source to average (X)	
Number of Samples (n)	
Sample rate (t)	

Standard Deviation

Source to average (X)	
Number of Samples (n)	
Sample rate (t)	

Logarithmic Functions

Log (Variable X)	
Natural Log (Variable X)	
Exponential (variable X)	

9.12.2 Special functions

Relative humidity function

Wet Bulb source	
Dry Bulb Source	

Abs (x)	
---------	--

9.12.3 Switch functions

High Selector

Source 1 (x)	
Source 2 (y)	
Source 3 (z)	

Median Selector

Source 1 (x)	
Source 2 (y)	
Source 3 (z)	

Low Selector

Source 1 (x)	
Source 2 (y)	
Source 3 (z)	

Multiplexer

Source 1 (x)	
Digital Source	
Source 2 (y)	

9.12.4 Power functions

Power

Variable (x)	
Power (a)	

Square Root

Variable (x)	
--------------	--

9.13 Math block 13

Math Block Type (✓ the box required)

Standard	
Trigonometric	
Statistical	
Logarithmic	
Special	
Switch	
Power	

Standard Math Block set up (note equation here)

--

Trigonometric

Cos (variable X) R	
Sin (variable X) R	
Tan (Variable X) R	
Cos (variable X) D	
Sin (variable X) D	
Tan (Variable X) D	

9.13.1 Statistical functions

Average

Source to average (X)	
Number of Samples (n)	
Sample rate (t)	

Rolling Average

Source to average (X)	
Number of Samples (n)	
Sample rate (t)	

Standard Deviation

Source to average (X)	
Number of Samples (n)	
Sample rate (t)	

Logarithmic Functions

Log (Variable X)	
Natural Log (Variable X)	
Exponential (variable X)	

9.13.2 Special functions

Relative humidity function

Wet Bulb source	
Dry Bulb Source	

Abs (x)	
---------	--

9.13.3 Switch functions

High Selector

Source 1 (x)	
Source 2 (y)	
Source 3 (z)	

Median Selector

Source 1 (x)	
Source 2 (y)	
Source 3 (z)	

Low Selector

Source 1 (x)	
Source 2 (y)	
Source 3 (z)	

Multiplexer

Source 1 (x)	
Digital Source	
Source 2 (y)	

9.13.4 Power functions

Power

Variable (x)	
Power (a)	

Square Root

Variable (x)	
--------------	--

9.14 Math block 14

Math Block Type (✓ the box required)

Standard	
Trigonometric	
Statistical	
Logarithmic	
Special	
Switch	
Power	

Standard Math Block set up (note equation here)

--

Trigonometric

Cos (variable X) R	
Sin (variable X) R	
Tan (Variable X) R	
Cos (variable X) D	
Sin (variable X) D	
Tan (Variable X) D	

9.14.1 Statistical functions

Average

Source to average (X)	
Number of Samples (n)	
Sample rate (t)	

Rolling Average

Source to average (X)	
Number of Samples (n)	
Sample rate (t)	

Standard Deviation

Source to average (X)	
Number of Samples (n)	
Sample rate (t)	

Logarithmic Functions

Log (Variable X)	
Natural Log (Variable X)	
Exponential (variable X)	

9.14.2 Special functions

Relative humidity function

Wet Bulb source	
Dry Bulb Source	

Abs (x)	
---------	--

9.14.3 Switch functions

High Selector

Source 1 (x)	
Source 2 (y)	
Source 3 (z)	

Median Selector

Source 1 (x)	
Source 2 (y)	
Source 3 (z)	

Low Selector

Source 1 (x)	
Source 2 (y)	
Source 3 (z)	

Multiplexer

Source 1 (x)	
Digital Source	
Source 2 (y)	

9.14.4 Power functions

Power

Variable (x)	
Power (a)	

Square Root

Variable (x)	
--------------	--

9.15 Math block 15

Math Block Type (✓ the box required)

Standard	
Trigonometric	
Statistical	
Logarithmic	
Special	
Switch	
Power	

Standard Math Block set up (note equation here)

--

Trigonometric

Cos (variable X) R	
Sin (variable X) R	
Tan (Variable X) R	
Cos (variable X) D	
Sin (variable X) D	
Tan (Variable X) D	

9.15.1 Statistical functions

Average

Source to average (X)	
Number of Samples (n)	
Sample rate (t)	

Rolling Average

Source to average (X)	
Number of Samples (n)	
Sample rate (t)	

Standard Deviation

Source to average (X)	
Number of Samples (n)	
Sample rate (t)	

Logarithmic Functions

Log (Variable X)	
Natural Log (Variable X)	
Exponential (variable X)	

9.15.2 Special functions

Relative humidity function

Wet Bulb source	
Dry Bulb Source	

Abs (x)	
---------	--

9.15.3 Switch functions

High Selector

Source 1 (x)	
Source 2 (y)	
Source 3 (z)	

Median Selector

Source 1 (x)	
Source 2 (y)	
Source 3 (z)	

Low Selector

Source 1 (x)	
Source 2 (y)	
Source 3 (z)	

Multiplexer

Source 1 (x)	
Digital Source	
Source 2 (y)	

9.15.4 Power functions

Power

Variable (x)	
Power (a)	

Square Root

Variable (x)	
--------------	--

9.16 Math block 16

Math Block Type (✓ the box required)

Standard	
Trigonometric	
Statistical	
Logarithmic	
Special	
Switch	
Power	

Standard Math Block set up (note equation here)

--

Trigonometric

Cos (variable X) R	
Sin (variable X) R	
Tan (Variable X) R	
Cos (variable X) D	
Sin (variable X) D	
Tan (Variable X) D	

9.16.1 Statistical functions

Average

Source to average (X)	
Number of Samples (n)	
Sample rate (t)	

Rolling Average

Source to average (X)	
Number of Samples (n)	
Sample rate (t)	

Standard Deviation

Source to average (X)	
Number of Samples (n)	
Sample rate (t)	

Logarithmic Functions

Log (Variable X)	
Natural Log (Variable X)	
Exponential (variable X)	

9.16.2 Special functions

Relative humidity function

Wet Bulb source	
Dry Bulb Source	

Abs (x)	
---------	--

9.16.3 Switch functions

High Selector

Source 1 (x)	
Source 2 (y)	
Source 3 (z)	

Median Selector

Source 1 (x)	
Source 2 (y)	
Source 3 (z)	

Low Selector

Source 1 (x)	
Source 2 (y)	
Source 3 (z)	

Multiplexer

Source 1 (x)	
Digital Source	
Source 2 (y)	

9.16.4 Power functions

Power

Variable (x)	
Power (a)	

Square Root

Variable (x)	
--------------	--

9.17 Math block 17

Math Block Type (✓ the box required)

Standard	
Trigonometric	
Statistical	
Logarithmic	
Special	
Switch	
Power	

Standard Math Block set up (note equation here)

--

Trigonometric

Cos (variable X) R	
Sin (variable X) R	
Tan (Variable X) R	
Cos (variable X) D	
Sin (variable X) D	
Tan (Variable X) D	

9.17.1 Statistical functions

Average

Source to average (X)	
Number of Samples (n)	
Sample rate (t)	

Rolling Average

Source to average (X)	
Number of Samples (n)	
Sample rate (t)	

Standard Deviation

Source to average (X)	
Number of Samples (n)	
Sample rate (t)	

Logarithmic Functions

Log (Variable X)	
Natural Log (Variable X)	
Exponential (variable X)	

9.17.2 Special functions

Relative humidity function

Wet Bulb source	
Dry Bulb Source	

Abs (x)	
---------	--

9.17.3 Switch functions

High Selector

Source 1 (x)	
Source 2 (y)	
Source 3 (z)	

Median Selector

Source 1 (x)	
Source 2 (y)	
Source 3 (z)	

Low Selector

Source 1 (x)	
Source 2 (y)	
Source 3 (z)	

Multiplexer

Source 1 (x)	
Digital Source	
Source 2 (y)	

9.17.4 Power functions

Power

Variable (x)	
Power (a)	

Square Root

Variable (x)	
--------------	--

9.18 Math block 18

Math Block Type (✓ the box required)

Standard	
Trigonometric	
Statistical	
Logarithmic	
Special	
Switch	
Power	

Standard Math Block set up (note equation here)

--

Trigonometric

Cos (variable X) R	
Sin (variable X) R	
Tan (Variable X) R	
Cos (variable X) D	
Sin (variable X) D	
Tan (Variable X) D	

9.18.1 Statistical functions

Average

Source to average (X)	
Number of Samples (n)	
Sample rate (t)	

Rolling Average

Source to average (X)	
Number of Samples (n)	
Sample rate (t)	

Standard Deviation

Source to average (X)	
Number of Samples (n)	
Sample rate (t)	

Logarithmic Functions

Log (Variable X)	
Natural Log (Variable X)	
Exponential (variable X)	

9.18.2 Special functions

Relative humidity function

Wet Bulb source	
Dry Bulb Source	

Abs (x)	
---------	--

9.18.3 Switch functions

High Selector

Source 1 (x)	
Source 2 (y)	
Source 3 (z)	

Median Selector

Source 1 (x)	
Source 2 (y)	
Source 3 (z)	

Low Selector

Source 1 (x)	
Source 2 (y)	
Source 3 (z)	

Multiplexer

Source 1 (x)	
Digital Source	
Source 2 (y)	

9.18.4 Power functions

Power

Variable (x)	
Power (a)	

Square Root

Variable (x)	
--------------	--

9.19 Math block 19

Math Block Type (✓ the box required)

Standard	
Trigonometric	
Statistical	
Logarithmic	
Special	
Switch	
Power	

Standard Math Block set up (note equation here)

--

Trigonometric

Cos (variable X) R	
Sin (variable X) R	
Tan (Variable X) R	
Cos (variable X) D	
Sin (variable X) D	
Tan (Variable X) D	

9.19.1 Statistical functions

Average

Source to average (X)	
Number of Samples (n)	
Sample rate (t)	

Rolling Average

Source to average (X)	
Number of Samples (n)	
Sample rate (t)	

Standard Deviation

Source to average (X)	
Number of Samples (n)	
Sample rate (t)	

Logarithmic Functions

Log (Variable X)	
Natural Log (Variable X)	
Exponential (variable X)	

9.19.2 Special functions

Relative humidity function

Wet Bulb source	
Dry Bulb Source	

Abs (x)	
---------	--

9.19.3 Switch functions

High Selector

Source 1 (x)	
Source 2 (y)	
Source 3 (z)	

Median Selector

Source 1 (x)	
Source 2 (y)	
Source 3 (z)	

Low Selector

Source 1 (x)	
Source 2 (y)	
Source 3 (z)	

Multiplexer

Source 1 (x)	
Digital Source	
Source 2 (y)	

9.19.4 Power functions

Power

Variable (x)	
Power (a)	

Square Root

Variable (x)	
--------------	--

9.20 Math block 20

Math Block Type (✓ the box required)

Standard	
Trigonometric	
Statistical	
Logarithmic	
Special	
Switch	
Power	

Standard Math Block set up (note equation here)

--

Trigonometric

Cos (variable X) R	
Sin (variable X) R	
Tan (Variable X) R	
Cos (variable X) D	
Sin (variable X) D	
Tan (Variable X) D	

9.20.1 Statistical functions

Average

Source to average (X)	
Number of Samples (n)	
Sample rate (t)	

Rolling Average

Source to average (X)	
Number of Samples (n)	
Sample rate (t)	

Standard Deviation

Source to average (X)	
Number of Samples (n)	
Sample rate (t)	

Logarithmic Functions

Log (Variable X)	
Natural Log (Variable X)	
Exponential (variable X)	

9.20.2 Special functions

Relative humidity function

Wet Bulb source	
Dry Bulb Source	

Abs (x)	
---------	--

9.20.3 Switch functions

High Selector

Source 1 (x)	
Source 2 (y)	
Source 3 (z)	

Median Selector

Source 1 (x)	
Source 2 (y)	
Source 3 (z)	

Low Selector

Source 1 (x)	
Source 2 (y)	
Source 3 (z)	

Multiplexer

Source 1 (x)	
Digital Source	
Source 2 (y)	

9.20.4 Power functions

Power

Variable (x)	
Power (a)	

Square Root

Variable (x)	
--------------	--

9.21 Math block 21

Math Block Type (✓ the box required)

Standard	
Trigonometric	
Statistical	
Logarithmic	
Special	
Switch	
Power	

Standard Math Block set up (note equation here)

--

Trigonometric

Cos (variable X) R	
Sin (variable X) R	
Tan (Variable X) R	
Cos (variable X) D	
Sin (variable X) D	
Tan (Variable X) D	

9.21.1 Statistical functions

Average

Source to average (X)	
Number of Samples (n)	
Sample rate (t)	

Rolling Average

Source to average (X)	
Number of Samples (n)	
Sample rate (t)	

Standard Deviation

Source to average (X)	
Number of Samples (n)	
Sample rate (t)	

Logarithmic Functions

Log (Variable X)	
Natural Log (Variable X)	
Exponential (variable X)	

9.21.2 Special functions

Relative humidity function

Wet Bulb source	
Dry Bulb Source	

Abs (x)	
---------	--

9.21.3 Switch functions

High Selector

Source 1 (x)	
Source 2 (y)	
Source 3 (z)	

Median Selector

Source 1 (x)	
Source 2 (y)	
Source 3 (z)	

Low Selector

Source 1 (x)	
Source 2 (y)	
Source 3 (z)	

Multiplexer

Source 1 (x)	
Digital Source	
Source 2 (y)	

9.21.4 Power functions

Power

Variable (x)	
Power (a)	

Square Root

Variable (x)	
--------------	--

9.22 Math block 22

Math Block Type (✓ the box required)

Standard	
Trigonometric	
Statistical	
Logarithmic	
Special	
Switch	
Power	

Standard Math Block set up (note equation here)

--

Trigonometric

Cos (variable X) R	
Sin (variable X) R	
Tan (Variable X) R	
Cos (variable X) D	
Sin (variable X) D	
Tan (Variable X) D	

9.22.1 Statistical functions

Average

Source to average (X)	
Number of Samples (n)	
Sample rate (t)	

Rolling Average

Source to average (X)	
Number of Samples (n)	
Sample rate (t)	

Standard Deviation

Source to average (X)	
Number of Samples (n)	
Sample rate (t)	

Logarithmic Functions

Log (Variable X)	
Natural Log (Variable X)	
Exponential (variable X)	

9.22.2 Special functions

Relative humidity function

Wet Bulb source	
Dry Bulb Source	

Abs (x)	
---------	--

9.22.3 Switch functions

High Selector

Source 1 (x)	
Source 2 (y)	
Source 3 (z)	

Median Selector

Source 1 (x)	
Source 2 (y)	
Source 3 (z)	

Low Selector

Source 1 (x)	
Source 2 (y)	
Source 3 (z)	

Multiplexer

Source 1 (x)	
Digital Source	
Source 2 (y)	

9.22.4 Power functions

Power

Variable (x)	
Power (a)	

Square Root

Variable (x)	
--------------	--

9.23 Math block 23

Math Block Type (✓ the box required)

Standard	
Trigonometric	
Statistical	
Logarithmic	
Special	
Switch	
Power	

Standard Math Block set up (note equation here)

--

Trigonometric

Cos (variable X) R	
Sin (variable X) R	
Tan (Variable X) R	
Cos (variable X) D	
Sin (variable X) D	
Tan (Variable X) D	

9.23.1 Statistical functions

Average

Source to average (X)	
Number of Samples (n)	
Sample rate (t)	

Rolling Average

Source to average (X)	
Number of Samples (n)	
Sample rate (t)	

Standard Deviation

Source to average (X)	
Number of Samples (n)	
Sample rate (t)	

Logarithmic Functions

Log (Variable X)	
Natural Log (Variable X)	
Exponential (variable X)	

9.23.2 Special functions

Relative humidity function

Wet Bulb source	
Dry Bulb Source	

Abs (x)	
---------	--

9.23.3 Switch functions

High Selector

Source 1 (x)	
Source 2 (y)	
Source 3 (z)	

Median Selector

Source 1 (x)	
Source 2 (y)	
Source 3 (z)	

Low Selector

Source 1 (x)	
Source 2 (y)	
Source 3 (z)	

Multiplexer

Source 1 (x)	
Digital Source	
Source 2 (y)	

9.23.4 Power functions

Power

Variable (x)	
Power (a)	

Square Root

Variable (x)	
--------------	--

9.24 Math block 24

Math Block Type (✓ the box required)

Standard	
Trigonometric	
Statistical	
Logarithmic	
Special	
Switch	
Power	

Standard Math Block set up (note equation here)

--

Trigonometric

Cos (variable X) R	
Sin (variable X) R	
Tan (Variable X) R	
Cos (variable X) D	
Sin (variable X) D	
Tan (Variable X) D	

9.24.1 Statistical functions

Average

Source to average (X)	
Number of Samples (n)	
Sample rate (t)	

Rolling Average

Source to average (X)	
Number of Samples (n)	
Sample rate (t)	

Standard Deviation

Source to average (X)	
Number of Samples (n)	
Sample rate (t)	

Logarithmic Functions

Log (Variable X)	
Natural Log (Variable X)	
Exponential (variable X)	

9.24.2 Special functions

Relative humidity function

Wet Bulb source	
Dry Bulb Source	

Abs (x)	
---------	--

9.24.3 Switch functions

High Selector

Source 1 (x)	
Source 2 (y)	
Source 3 (z)	

Median Selector

Source 1 (x)	
Source 2 (y)	
Source 3 (z)	

Low Selector

Source 1 (x)	
Source 2 (y)	
Source 3 (z)	

Multiplexer

Source 1 (x)	
Digital Source	
Source 2 (y)	

9.24.4 Power functions

Power

Variable (x)	
Power (a)	

Square Root

Variable (x)	
--------------	--

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