ABB i-bus® EIB / KNX **Software-Information**

Product: **Weather Unit**

Type: **WZ/S 1.1**

Current application program: **Sensor Data 2.0a**

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Software-Information to: Sensor Daten 2.0a
from: 03/2013

1. General

The application is now available in 8 languages.
(German, English, French, Spanish, Italian, Russian, Dutch, Polish)

Software-Information to: Sensor Daten 2.0
from: 07/2010

1. Conversion:

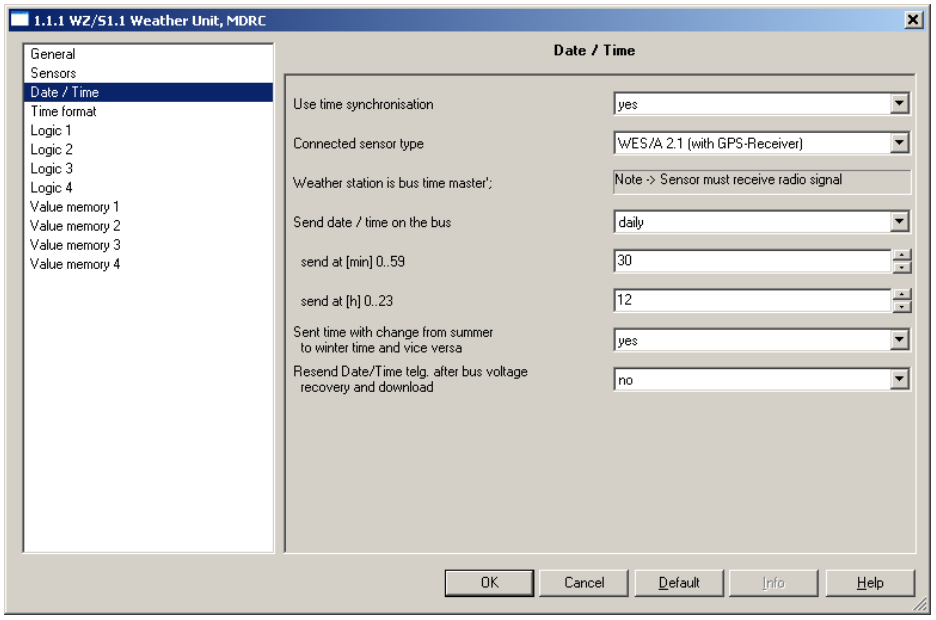
A conversion from the version 1.4 on the version 2.0 is not possible.

Software-Information to: Sensor Data 2.0

from: 10/2009

1. Conversion on the new Weather Sensors WES/A 2.1:

By the conversion on the new Weather Sensor WES/A 2.1 the application program had to be supplemented, around the following functions:



In the parameter window *Date/Time* was inserted additionally the parameter *Connected sensor type*.

If the option is adjusted to *WES/A 1.1 (with DCF-Receiver)*, nothing changed in the application program.
A Weather Sensor from type **WES/A 1.1** is connected.

If the option is adjusted to *WES/A 2.1 (with GPS-Receiver)*, changed the following parameter.
A Weather Sensor from type **WES/A 2.1** is connected.

The parameter *Mode* is void. All other parameter of the parameter window *Date/Time* remains unchanged.

That parameter window *Time format* appears additional, in which further attitudes are to be made. The specifications of the individual parameter find you in the product manual.

2. Conversion:

A conversion from the version 1.4 on the version 2.0 is not possible.

Software-Information to: Sensor Data 1.4

from: 02/2008

1. Threshold limits:

Threshold values exceeding 327 lux with brightness and twilight have not been correctly written in the communication objects during the start of the device/application program.

The function of the actual threshold values has not been influenced.

Modification of the threshold values via the BUS is also not affected.

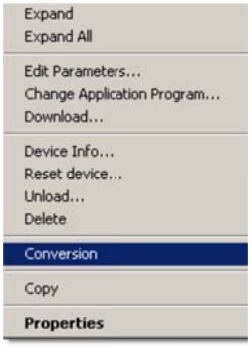
The threshold functions also operate without problems with temperature and wind speed.

2. Conversion of earlier user programms:

With the aid of the conversion it is possible from ETS3 to accept the parameters and group addresses from previous application programs.

Procedure:

1. Import the current VD3 file into the ETS3 and append a product with the current application program into the project.
2. Click with the right mouse button on the product and select “Convert”.



3. Then follow the instructions

The following application programs can be converted to the application 1.4:

Name des Anwendungsprogramms	Hinweis
Sensor Data 1.3	Complete conversion is possible.

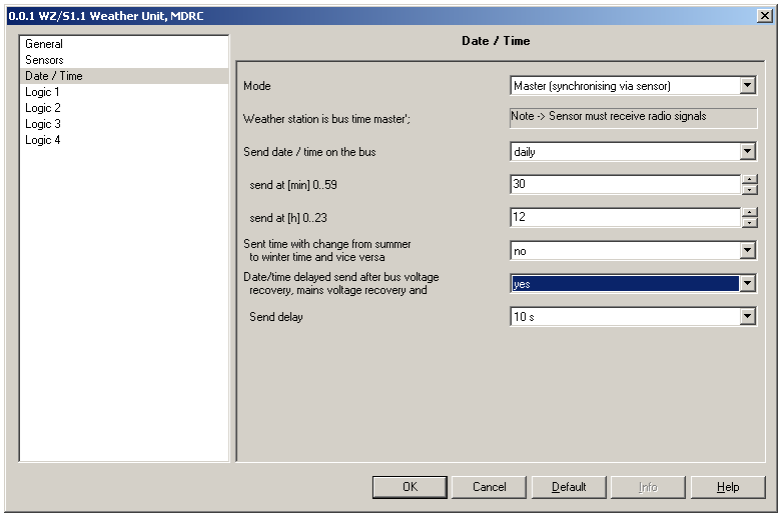
Note: Please note that the standard values can be set after conversion of newly added parameters.

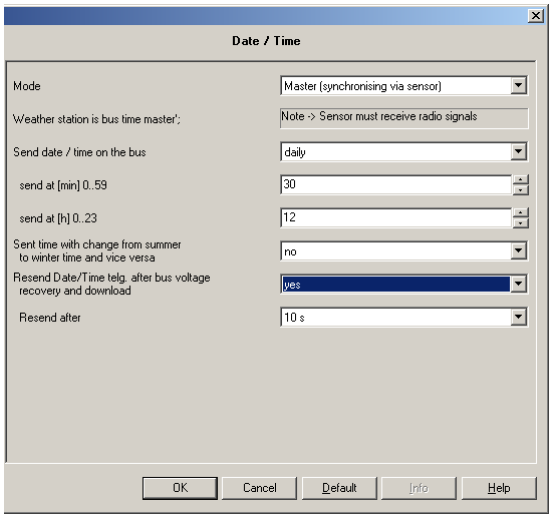
4. Then change the existing physical address and delete the old device.

Software-Information to: Sensor Data 1.3
from: 07/2006

1. Date / Time:

Old => **New**





The parameter *Date/time delayed send after bus voltage recovery, mains voltage recovery and* was changed in *Resend Date/Time telg. After bus voltage recovery and download*. The parameter *Send delay* was changed in *Resend after*.

The function of the changed parameter is as follows:

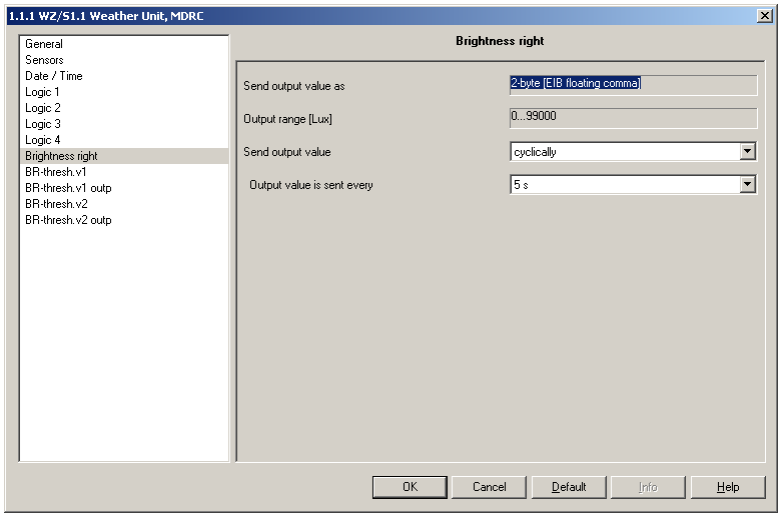
The parameter *Resent after* determines the time, which is waited after bus voltage recovery and download, until the date/time telegram is sent by the weather unit on the bus.

When is a valid telegram for date/time sent?

Immediately after the weather station is operational and the weather sensor receives a valid DCF signal. Otherwise nothing is sent. After the set time has timed out in the Repeat after parameter a valid telegram for the date/time is sent.

An example: The time is set to 30 seconds. The bus voltage recovers and a valid DCF signal is received from the weather sensor. The valid telegram for date/time is immediately sent without waiting for 30 seconds. After the 30 seconds has elapsed the telegram for date/time is sent again.

2. Brightness right:



The parameter *Send output value as* is now firmly adjusted to 2-byte [EIB floating comma].

The parameter *Output range [Lux]* is now firmly adjusted to 0…99.000.

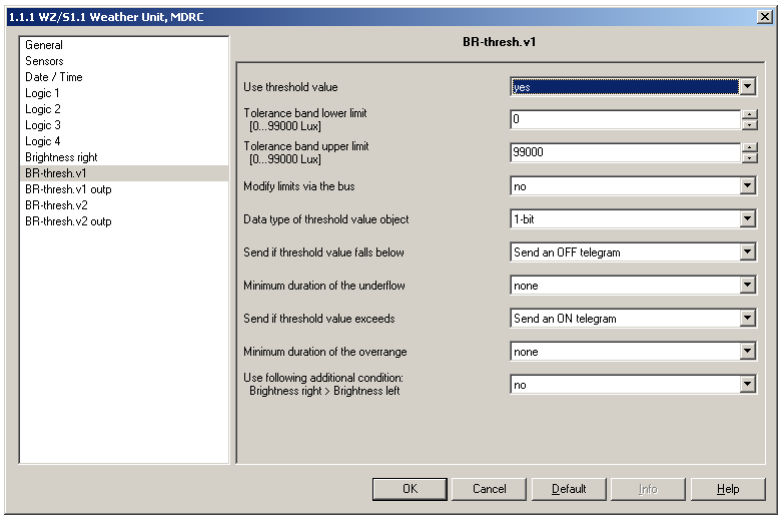
Note These changes apply also to the brightness centre, brightness left, twilight and wind speed.

If the option after a change, cyclically or after a change and cyclically with the parameter *Send output value* selected, the following options are in the parameter. The output value is sent with a change of x Lux now possible:

Options: 1.000...5.000...25.000

Note With the option 5.000 the output value is sent with a change exceeding 5.000 lux.

3. BR-threshold value 1:



The Tolerance band is now adjustable for the lower and upper limit of 0…99.000 Lux.

Note These changes apply also to the brightness centre and brightness left.

4. Value memory 1, 2, 3 und 4:

Rain and Day/Night cannot be stored no more.

How does the selection of the value memory function?

The value memory can be read out via the communication objects. The saved value is sent on the bus in 2-byte format [EIB floating point].

Selection

Via communication object “Memory number – Select memory value” memory value 1 to 4 is selected.

Response

With the communication object “Number of values – value memory status response with selection” the current number of saved values for the selected value memory is transmitted.

Note If a non-existent value memory (0, 5…255) or a non-activated value memory is selected, the communication object “Number of values
– value memory status response with selection” responds with the value 255.

Sending first value and time

After selection of the value memory the first saved value and the corresponding time are automatically sent to the communication object “Time – value memory response” and the “Value – value memory response” value is sent on the bus.

Sending further values and times

Further values and times can be requested via the communication object “Time and Value – Value memory read request”. After a successful read request the saved time is sent to the communication object “Time – value memory response” and the communication object “Value – value memory response” is sent. A “1” ensures reading in the forward direction and a “0” in the reverse direction.

Note If at the time of a request only 8 of the 24 memory elements are used and the first 8 values have been requested, the first saved value will again be displayed at the next read request. The values in the memory can not be overwritten, they can not be erased.

Workflow

1	Select	1 ,2 ,3 or 4 (0, 5…255 or non activated value memory)
2	Response	0…24 (value 255 = value memory not available)
3	First value corresponding time	automatically sent automatically sent
4	Read request	further values and time read Telegram “1” read forward Telegram “0” read backwards

5. Communication object 83:

The bit 5 in the communication object announced sometimes an under voltage (< 20V) was present, although the auxiliary supply was with 24V.

This has been corrected in the new application program.

6. Communication object 85:

The communication object was adapted as follows:

The communication object “no times synchronization” is active, if in the parameter window *Date/Time* of day, in the parameter *mode* the options:

Master (synchronising via sensor)
Internal (synchronising via sensor)
Slave (synchronising via bus) to be selected.

Telegram value “0” = time synchronization available
Telegram value “1” = no time synchronization available

7. Value memory 4 aktiv:

With activated value memory nr. 4 and the parameter option “File value memory, on request” could not the device any longer be programmed.

This has been corrected in the new application program.

Software-Information to: Sensor Data 1.2
from: 09/2005

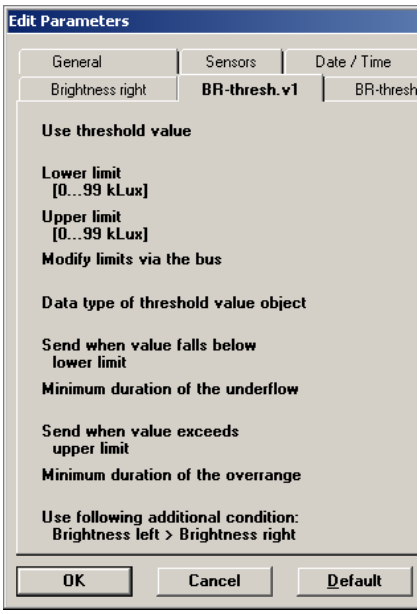
1. Threshold value objects:

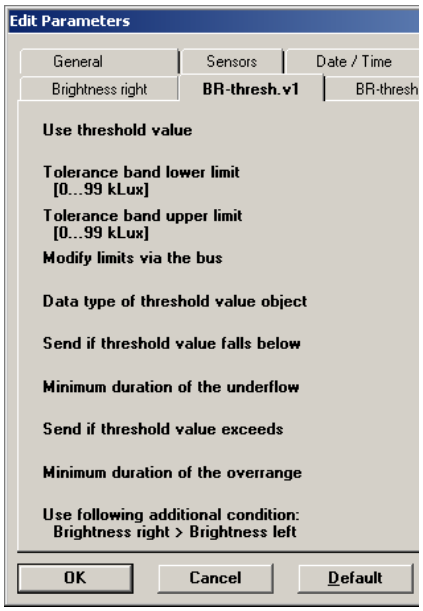
If on parameter page "X-Threshold value 1" has been set, that "no telegram shall be sent" if threshold value 1 is exceeded or undergone and if further on the next parameter page "X-Threshold value output 1" has been set, that the threshold value sends "cyclically", then the threshold value object will send permanently on the bus as soon as the cyclus time is expired.

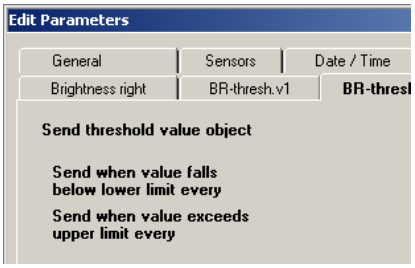
This has been corrected in the new application program.

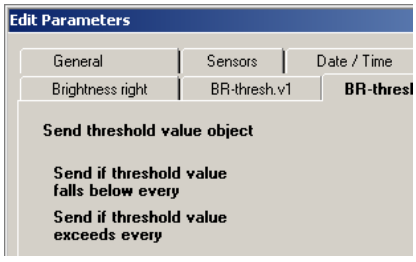
2. The following parameter texts were adapted in the new application program:

Old => **New**









Software-Information to: Sensor Data 1.1
from: 07/2005

1. Threshold value 1 + 2:

The communication object cannot be changed for the following sensors to "1 byte". The communication object remains at "1 bit", although in the parameter dialog the option "1 byte" is selected.

Day/Night:	Threshold value 1 + 2
Temperature:	Threshold value 1 + 2
Rain:	Threshold value 1 + 2

This has been corrected in the new application program

2. Logic 1...4:

In the selection list for the logic inputs the text entries for the temperature and rain are exchanged. When using e.g. "rain..." is not activated the logic output 1, sends however cyclically the value "0". The same applies to the selection "temperature...".

This has been corrected in the new application program.

ABB i-bus® EIB / KNX **Software-Information**

Software-Information	to:	Sensor Data 1.0
	from:	05/2005

1. Now with English application program: