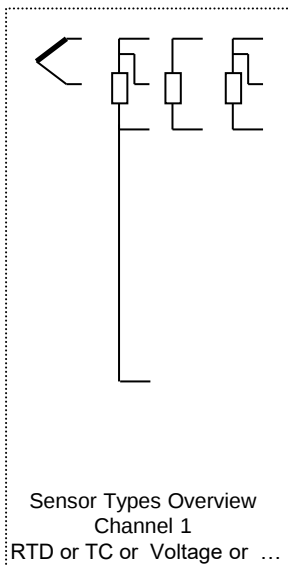


Sensors

must be FM approved or be a simple apparatus. Simple apparatus is a device which will neither generate nor store more than 1.5 V; 0.1 A; 25mW resp. 20 µJ such as switches, RTD's, TC.



Sensor Field Circuit Entity Parameters

$V_{oc} = 6.5 \text{ V}$; $I_{sc} = 17.8 \text{ mA}$; $P_o = 29 \text{ mW}$

Terminals: 1,2,3,4,5,6

GP: A,B $C_a = 1.55 \text{ µF}$; $L_a = 5.0 \text{ mH}$

C,D $C_a = 8.75 \text{ µF}$; $L_a = 5.0 \text{ mH}$

FM nonincendive field circuit approval

Temp.Ident: T6,T5 at $T_{amb} = 56 \text{ °C}$;

T4...T1 at $T_{amb} = 85 \text{ °C}$;

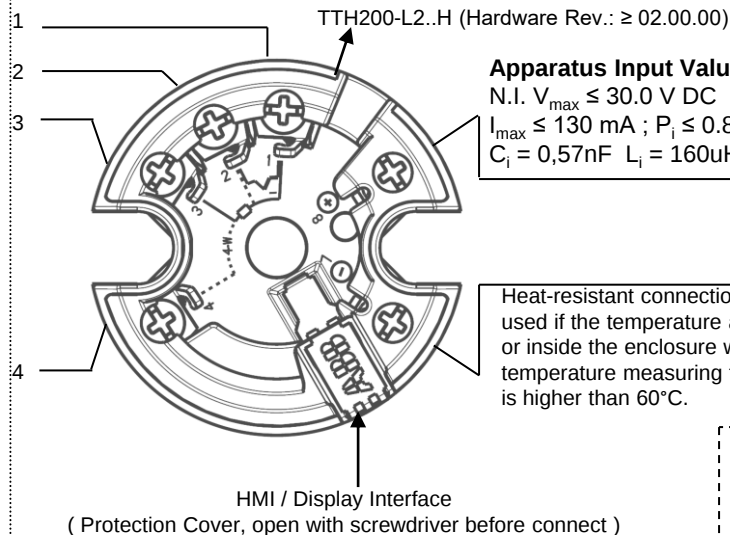
Class I Div. 2; Groups A,B,C,D or

Class I Zone 2 AEx/Ex na IIC or

Class I Zone 2 AEx/Ex ec IIC

Temperature Transmitter Model "TTH200" Ordering Code

"TTH200-L2..H" is an open type Unit which must be installed within an enclosure appropriate for environmental protection in accordance with ANSI/ISA 61010-1 (82.02.01) or CSA 22.1 61010-1 and shall be installed in compliance with the enclosure, mounting, spacing and segregation requirements of the ultimate application.



FM approved HMI / Display Interface with Intrinsically Safe Output Parameters

Class I Div 2 Groups A,B,C,D or

Class I Zone 0 AEx/Ex ia IIC

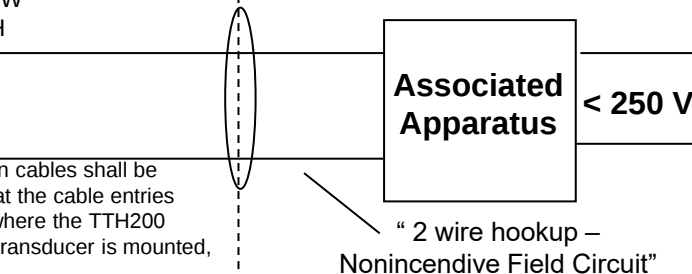
$V_{oc} = 6.2 \text{ V}$; $I_{sc} < 65.2 \text{ mA}$; $P_o = 101 \text{ mW}$

Terminals: 6 PIN Connector

GP A,B $C_a = 1.4 \text{ µF}$; $L_a = 5.0 \text{ mH}$

C,D $C_a = 8.9 \text{ µF}$; $L_a = 5.0 \text{ mH}$

Division 2 Hazardous Location Non – Hazardous Location



Associated Apparatus

Nonincendive Parameters must meet the following requirements:

$V_{oc} \text{ or } V_t \leq V_{max}$; $C_a \leq C_i + C_{cable}$;

$I_{sc} \text{ or } I_t \leq I_{max}$; $L_a \leq L_i + L_{cable}$

The temperature transmitter is FM approved for non - incendive field circuits when installed per Canadian Electrical Code C22.1 Annex J18 or national electrical code (NEC) article 501-10(B)(3), 502-10(B)(4) or 503-10(B)(4) with FM approved nonincendive field circuit output apparatus which meet the parameters indicated above.

				Do not alter without FM authorization		
2.01	misc	02.12.22	Peterich	Approv.	17.07.07	Müller
2.00	HW02.00	30.03.22	Peterich		Date	Name
1.02	TTx200	15.02.14	Overh.			
1.01	New Ci	08.08.12	Zeiger			
1.00	Release	17.07.07	Zeiger			
Rev.	Desc.	Date	Name			

Title:		Scale:
TTH200 HART (HW Rev. $\geq 02.00.00$) N. I. Temperature Transmitter Control Drawing		-----
Drawing / Part No.:		Page : of
TTH200-L2H		1 / 1
Replacement of: -----		