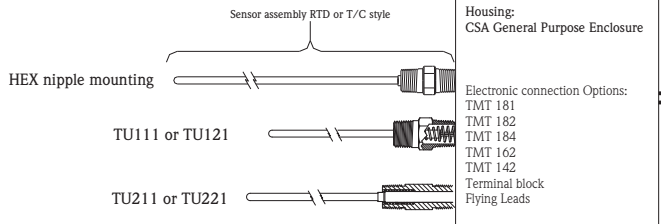


Hazardous (Classified) Location  
 Class 1 / Division 1 / Groups ABCD  
 Class 1 / Zone 0 / IIC  
 Class 1 / Division 2 / Groups ABCD

Direct or remote mount sensor configuration:



Installation Notes T53, T54, T55, T13, T14, T15, TH13, TH14, TH15, TH53, TH54, TH55 and TU111, TU121, TU211, TU221



- CSA approved apparatus must be installed in accordance with manufacturer's instructions.
- Install per Canadian Electrical Code.
- Use supply wires suitable for 5°C above surroundings.
- The transmitter is to be installed in a suitable enclosure accepted by local authority having jurisdiction.
- Stating that only simple apparatus should be terminated to the sensor connection. Simple apparatus are components as defined by the CEC (1.2 V, 0.1 A, 0.25 mW or 20 µJ).
- Temperature sensor assembly must be CSA approved for appropriate area classification.
- Install per temperature transmitter's control drawing when supplied with transmitter.

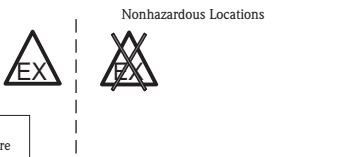
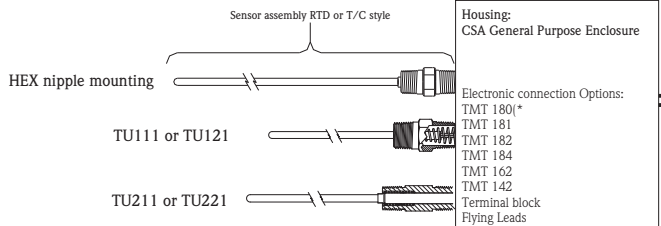
INTRINSICALLY SAFE

Class I / Div. 1 / Groups ABCD  
 Class I / Zone 0 / Ex ia IIC

- CSA approved associated apparatus or barrier is required.

Hazardous (Classified) Location  
 Class 1 / Division 2 / Groups ABCD

Direct or remote mount sensor configuration:



NONINCENDIVE

Class I / Div. 2 / Groups ABCD

- Intrinsic safety barrier not required.
- Warning: Do not disconnect equipment unless power has been switched off or the area is known to be non-hazardous.
- Nonincendive field wiring installation:  
 The Nonincendive Field Wiring Circuit Concept allows interconnection of Nonincendive Field Wiring Apparatus with Associated Nonincendive Field Wiring Apparatus or Associated Intrinsically Safe Apparatus or Associated Apparatus not specifically examined in combination as a system using any of the wiring methods permitted for unclassified locations, when  $V_{oc} \leq V_{max}$ ,  $C_a \geq C_i + C_{cable}$ ,  $L_a \geq L_i + L_{cable}$ .
- For transmitter's Nonincendive Field Wiring parameters see also the respective Control drawing.

(\* The head transmitter TMT180 is only suitable for Class I, Division 2.)

max. Process temperature range  $\leq +130^\circ\text{C}$

	Approved Pfanzelt	Date (yyyy-mm-dd) 2005-03-03	Drawing No. 16 01 00 112	Dwg.rev. A	Revision no. H06n05	Revision date (yyyy-mm-dd) 2006-11-27	Name MP	Material 71037568 ZD 061R/09/en/11.06	<b>Endress+Hauser</b>
Volume (mm³)	Designed Pfanzelt	Date (yyyy-mm-dd) 2005-03-02	Unit THxx, Txx Series TU111, TU121, TU211, TU221	Scale 1:1	Title <b>CONTROL DRAWING CSA Intrinsically Safety, Nonincendive</b>		Series	Endress + Hauser Wetzler GmbH+Co. KG Nesselwang / Germany	
Refer to protection notice ISO 16016	Edge of working parts ISO 13715	Geometrical tolerancing ISO 2768-mH-E	Part No. -	Format A4	Objekt version	Sheet 1 of 1			