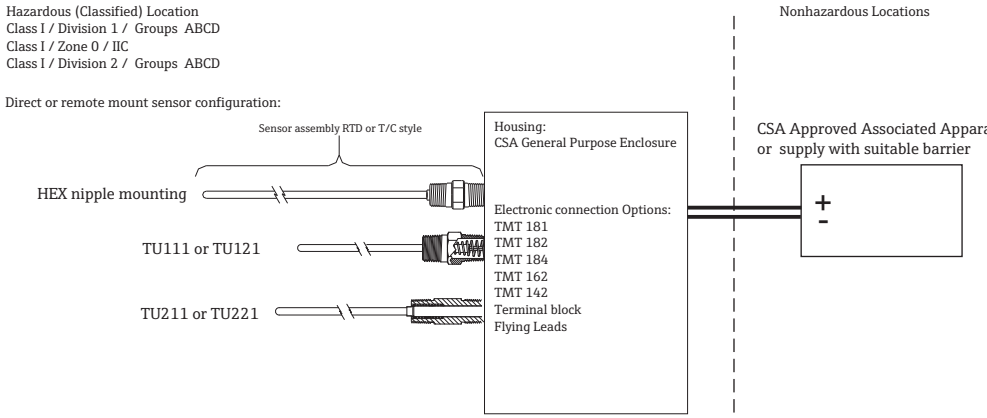

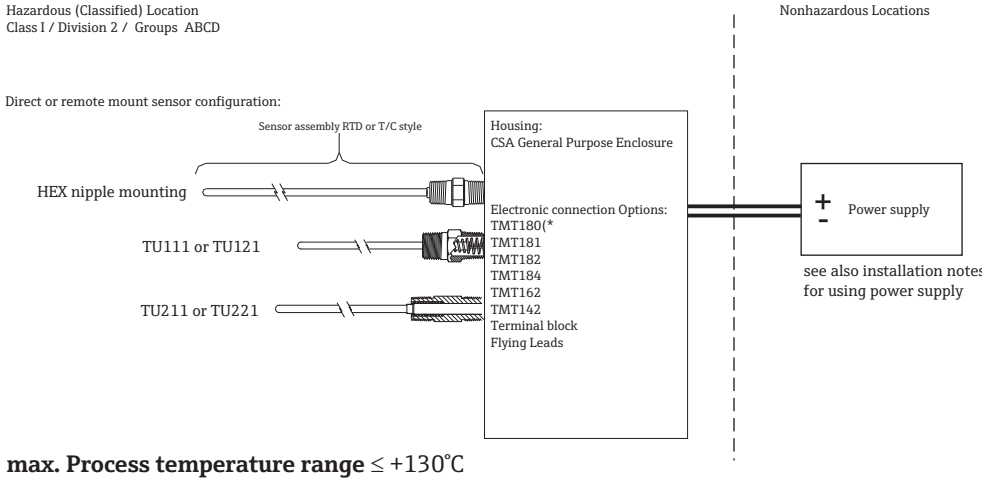

max. Process temperature range ≤ +130°C

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.

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 Voc ≤ Vmax, Ca ≥ Ci + Ccable, La ≥ Li + Lcable.
  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.

	Approved	Date (yyyy-mm-dd)	Drawing No.	Dwg.rev.	Revision no.	Revision date (yyyy-mm-dd)	Name	Material	
	Pfanzelt	2005-03-03	16 01 00 112	A	H06n05	2006-11-27	MP	71540260 XA02318T/09/EN/01.20	Endress+Hauser
Volume (mm³)	Designed	Date (yyyy-mm-dd)	Unit	Scale	Title			Series	
	Pfanzelt	2005-03-02	THxx, Txx Series TU111, TU121, TU211, TU221	1:1	CONTROL DRAWING CSA Intrinsically Safety, Nonicendive			Objekt version / Sheet	
Refer to protection notice ISO 16016	Edge of working parts ISO 13715	Geometrical tolerancing ISO 2768-mH-E	Part No. -	Format A4				1 of 1	Endress + Hauser Wetzer GmbH+Co. KG Nesselwang / Germany