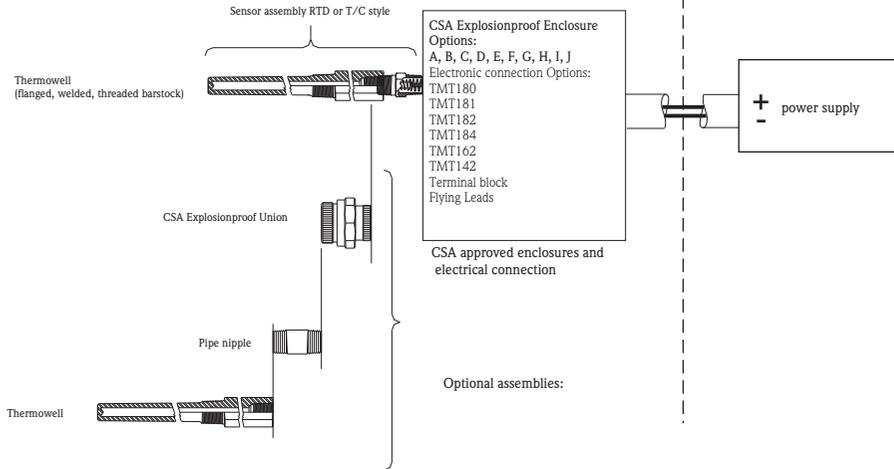


Hazardous (Classified) Location
 Class I / Division 1, 2 / Groups ABCD
 Class II / Division 1, 2 / Groups EFG
 Class III



CSA Explosionproof Enclosure
 Options:
 A, B, C, D, E, F, G, H, I, J
 Electronic connection Options:
 TMT180
 TMT181
 TMT182
 TMT184
 TMT162
 TMT142
 Terminal block
 Flying Leads

CSA approved enclosures and electrical connection

Optional assemblies:

Installation Notes for T13, T14, T53, T54

- 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.
- Keep tight when circuits alive
- Inserts TU111 (RTDs) and TU121 (TC) with Additional Option Code "2" (XP Spare Part) need to be used to ensure approved classifications.
- Warning: Substitution of components may impair suitability for approved classification

EXPLOSION PROOF Class I / Div. 1 / Groups ABCD
DUST IGNITION PROOF Class II, III / Div. 1 / Groups EFG

- All conduits must be assembled with a minimum of five full threads engagement.
- For Class II Extension and/or Thermowell must be used to maintain CSA enclosure 4X rating.
- Class II use a dust tight seal
- Enclosures must be CSA Explosion-proof approved, for appropriate area classification.
- For E+H TMT162 & TMT142 Field transmitters seal all conduits within 18 inches of enclosure.
- Spring loaded temperature sensors must use a thermowell assembly.
- Supply circuit for E+H Field housing transmitters TMT162 & TMT142 (Terminals + and -)

$$U \leq 40 \text{ V DC}$$

$$P \leq 3 \text{ W}$$

- Supply circuit for E+H head transmitters TMT180, TMT181, TMT182, TMT184 (Terminals + and -)

$$U \leq 35 \text{ V DC } (\leq 30\text{V for TMT184})$$

$$P \leq 750 \text{ mW } (\leq 5.5 \text{ W for TMT184})$$

- Supply circuit for CSA approved transmitters for ordinary locations

$$U \leq 40 \text{ V DC}$$

$$P \leq 3 \text{ W}$$

CSA Explosionproof approved temperature sensor assemblies and accessory hardware for the following locations:

Type	Hazardous location
T13/T53 and T14/T54 with enclosures C, D, E, F	Class I / Div. 1 / Groups BCD Class II,III / Div. 1 / Groups EFG
T13/T53 and T14/T54 with enclosures A, B, G, H, I, J	Class I / Div. 1 / Groups ABCD Class II,III / Div. 1 / Groups EFG

max. ambient temperature range for E+H Transmitters TMT180, TMT181, TMT182, TMT184 or other approved transmitter for ordinary locations

- T4 -40°C ... +85°C
- T5 -40°C ... +80°C
- T6 -40°C ... +70°C

max. ambient temperature range for E+H Field Transmitters TMT162, TMT142

- T4 -40°C ... +85°C (-40°C ... +70°C with display)
- T5 -40°C ... +70°C
- T6 -40°C ... +55°C

max. ambient temperature range without transmitter (except TMT162, TMT142)

- T4 -50°C ... +100°C
- T5 -50°C ... +95°C
- T6 -50°C ... +80°C

max. Process temperature range ≤ +130°C

Approved	Pfanzelt	Date (yyyy-mm-dd)	2005-10-25	Drawing No.	16 01 00 116		Dwg.rev.	Revision no.	Revision date (yyyy-mm-dd)	Name	Material	71024449 ZD053R/09/en/03.06	Endress+Hauser Endress + Hauser Wetzer GmbH+Co. KG Nesselwang / Germany
Volume (mm³)	Designed	Date (yyyy-mm-dd)	2005-10-24	Unit	T13, T14, T53, T54		Scale	Title		Series			
Refer to protection notice ISO 16016	Edge of working parts ISO 13715	Geometrical tolerancing ISO 2768-mH-E	Part No.	-		Format	A4		CONTROL DRAWING CSA Explosionproof		Objekt version	Sheet 1 of 1	

