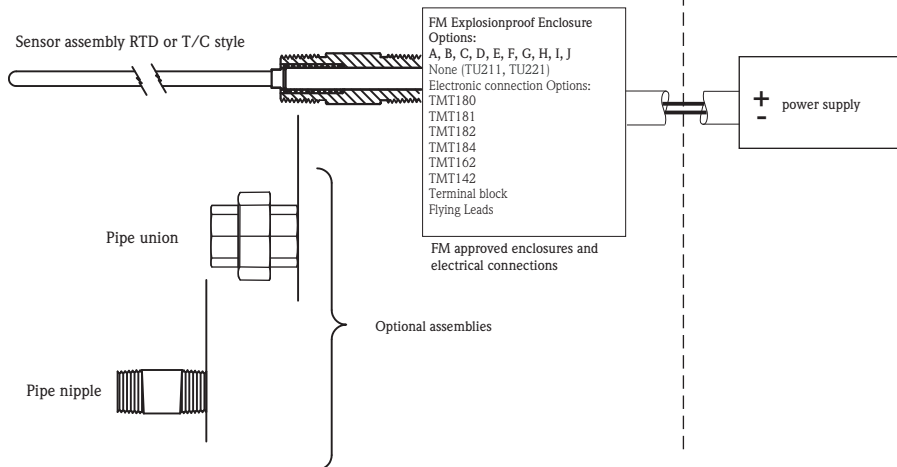


Hazardous (Classified) Location
 Class I / Division 1 / Groups ABCD
 Class II / Division 1 / Groups EFG
 Class III



FM Explosionproof Enclosure
 Options:
 A, B, C, D, E, F, G, H, I, J
 None (TU211, TU221)
 Electronic connection Options:
 TMT180
 TMT181
 TMT182
 TMT184
 TMT162
 TMT142
 Terminal block
 Flying Leads
 FM approved enclosures and
 electrical connections

max. ambient temperature range for E+H Transmitters TMT180, TMT181, TMT182, TMT184

- 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

Installation Notes for T15, T55, TU221, TU211

- FM Approved Apparatus must be installed in accordance with manufacturer's instructions.
- Install per National Electrical Code (NFPA 70)
- Use supply wires suitable for 5°C above surroundings.
- Keep tight when circuits alive



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

- For E+H TMT162 & TMT142 Field transmitters seal all conduits within 18 inches of enclosure.
- All conduits must be assembled with a minimum of five full threads engagement.
- Class II Extension and/or thermowell must be used to maintain enclosure 4X rating.
- Class II use a dust tight seal
- Enclosures must be FM approved, for appropriate area classification (TU211, TU221).

- Supply circuit for E+H Field housing transmitters TMT162 & TMT142 (Terminals + and -)

- U ≤ 40 V DC
- P ≤ 3 W

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

- U ≤ 35 V DC (≤ 30V for TMT184)
- P ≤ 750 mW (≤ 5.5 W for TMT184)

- Supply circuit for FM approved transmitters for ordinary locations

- U ≤ 40 V DC
- P ≤ 3 W

FM Explosion-proof approved temperature sensor assemblies and accessory hardware for the following locations:

Type	Hazardous location
T15/T55 with enclosures C, D, E, F	Class I / Div. 1 / Groups BCD Class II,III / Div. 1 / Groups EFG
T15/T55 with enclosures A, B, G, H, I, J	Class I / Div. 1 / Groups ABCD Class II,III / Div. 1 / Groups EFG

Approved	Pfanzelt	Date (yyyy-mm-dd)	2006-05-18	Drawing No.	16 01 00 119	Dwg.rev.		Revision no.		Revision date (yyyy-mm-dd)		Name		Material	71032115 ZD056R/09/en/07.06	Endress+Hauser
Volume (mm³)	Designed	Pfanzelt	Date (yyyy-mm-dd)	2006-03-10	Unit	T15, T55, TU221, TU211	Scale	1:1	Title			CONTROL DRAWING FM Explosion-proof		Series		
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		Endress + Hauser Wetzer GmbH+Co. KG Nesselwang / Germany					