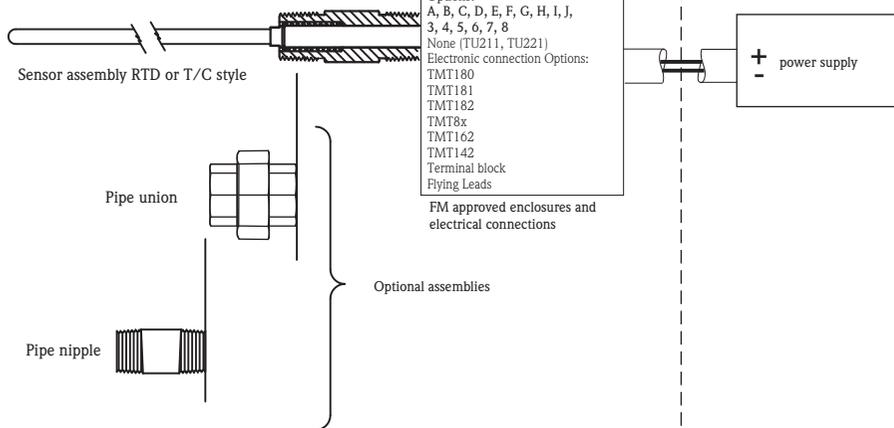


Hazardous (Classified) Location
 Class I / Division 1 / Groups ABCD
 Class II / Division 1 / Groups EFG
 Class III



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).
- Refer to the marked maximum ratings for assembled temperature transmitter's supply.
- Supply circuit for other FM approved head transmitters for ordinary locations

U ≤ 42 V DC
 P ≤ 2.2 W

max. Ambient temperature range for E+H Transmitters TMT180, TMT181, TMT182, TMT8x.

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 T6 ≤ +80°C

T5 ≤ +95°C
 T4 ≤ +130°C
 T3 ≤ +195°C
 T2 ≤ +295°C
 T1 ≤ +445°C

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, 3, 4, 5, 6, 7, 8	Class I / Div. 1 / Groups ABCD Class II, III / Div. 1 / Groups EFG

Approved Pfanzelt	Date (yyyy-mm-dd) 2006-05-18	16 01 00 119		Dwg.rev. A	Revision no. W10719	Revision date (yyyy-mm-dd) 2011-06-17	Name MP	Material 71140496 ZD00056T/09/en/01.11	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		Objekt version 1 of 1	
Refer to protection notice ISO 16016	Edge of working parts ISO 13715	Geometrical tolerancing ISO 2768-mH-E	Part No.	Format A4	Endress + Hauser GmbH+Co. KG		Wetzer Nesselwang / Germany		