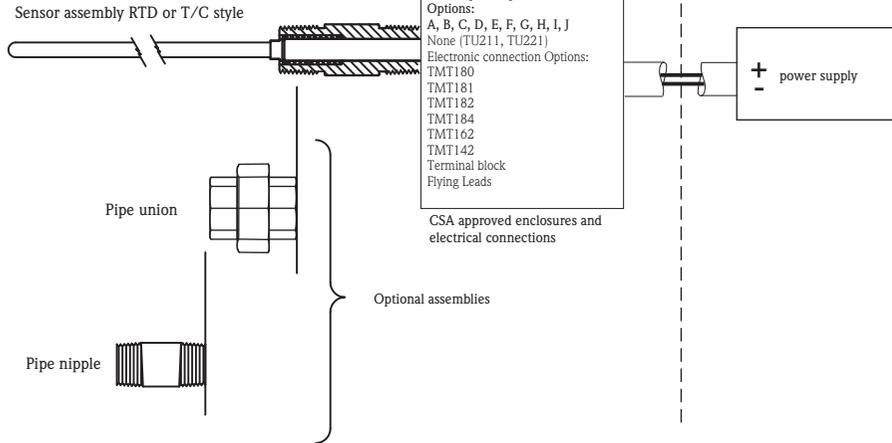


Hazardous (Classified) Location  
 Class I / Division 1, 2 / Groups BCD  
 Class II / Division 1, 2 / Groups EFG  
 Class III



### Installation Notes for T15, T55, TU221, TU211

- 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



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

- All conduits must be assembled with a minimum of five full threads engagement.
- For E+H TMT162 & TMT142 Field transmitters seal all conduits within 18 inches of enclosure.
- 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 XP approved, for appropriate area classification (TU211, TU221).
- Supply circuit for E+H Field 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 (≤ 30 V DC for TMT184)
  - P ≤ 750 mW (≤ 5.5 W for TMT184)
- Supply circuit for CSA approved transmitters for ordinary locations
  - U ≤ 40 V DC
  - P ≤ 3 W

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<br>Pfanzelt               | Date (yyyy-mm-dd)<br>2005-10-25          | Drawing No.<br>16 01 00 115    | Dwg.rev.     |  |                 | 71024448<br>ZD052R/09/en/03.06                               | <b>Endress+Hauser</b> |
| Volume (mm³)                            | Designed<br>Pfanzelt               | Date (yyyy-mm-dd)<br>2005-10-24          | Unit<br>T15, T55, TU211, TU221 | Scale<br>1:1 | Title<br><b>CONTROL DRAWING CSA<br/>Explosionproof</b> |                 | Series   |                       |
| Refer to protection notice<br>ISO 16016 | Edge of working parts<br>ISO 13715 | Geometrical tolerancing<br>ISO 2768-mH-E | Part No.<br>-                  | Format<br>A4 | Objekt version   | Sheet<br>1 of 1 | Endress + Hauser Wetzlar<br>GmbH+Co. KG Nesselwang / Germany |                       |