Title: T13, T14, T53, T54

Installation Notes for T13, T14, T53, T54
- 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.
- Inserts TU111 (RTDs) and TU121 (TC) with Additional Option Code “2” (XP Spare Part) need to be used to ensure approved classifications.
- Keep tight when circuits alive
- Warnings: Substitution of components may impair intrinsic safety or suitability for Class I, Division 2.

EXPLORATION 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 only for Group A, seal all conduits within 18 inches of enclosure, otherwise, conduit seal not required for compliance with NEC 501.5(A)(1)(1).
- 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 enclosure 4X rating.
- Spring loaded temperature sensors must use a thermowell assembly
- Class II use a dust tight seal.

NONINCENDIVE
NI Class I / Div. 2 / Groups ABCD
- Depending on location install per National Electrical Code (NEC) using wiring methods described in article 500 through article 510.
- Intrinsic safety barrier not required.
- Warning: Do not disconnect equipment unless power has been switched off or the area is known to be nonhazardous.
- 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 Intrinsic Safety 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, Ci ≥ Ci + Ccable, Li ≥ Li + Lcable.

- Supply circuit for E+H Field housing transmitters TMT162 & TMT142 connected to Foundation Fieldbus

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
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<tbody>
<tr>
<td>U</td>
<td>40 V DC</td>
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<tr>
<td>P</td>
<td>3 W</td>
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</table>

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

For E+H Field transmitters TMT162 & TMT142 connected to Foundation Fieldbus

<table>
<thead>
<tr>
<th>Parameter</th>
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<td>U</td>
<td>35 V DC</td>
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<td>P</td>
<td>750 mW</td>
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</table>

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