**Installation Notes RID14**

**Temperature range**

<table>
<thead>
<tr>
<th>Class</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>T4</td>
<td>-40°C ... +80°C</td>
</tr>
<tr>
<td>T5</td>
<td>-40°C ... +70°C</td>
</tr>
<tr>
<td>T6</td>
<td>-40°C ... +55°C</td>
</tr>
</tbody>
</table>

**EXPLOSION PROOF**

- **XP**  
  - Class I / Groups ABCD

**DUST IGNITION PROOF**

- **DIP**  
  - Class II, III / Groups EFG

- **FM approved apparatus must be installed in accordance with manufacturer's instructions.**

- **All Conduits must be assembled with a minimum of five full threads engagement.**

- **Field indicator must be FM approved for appropriate area classification.**

- **Use supply wires suitable for 5°C above surroundings.**

- **Seal all conduits within 18 inches of enclosure.**

- **In Class II use a dust tight seal.**

- **A dust tight seal must be used for conduit entry when the field indicator is used in a Class II or Class III location.**

- **Keep tight when circuits alive.**

- **Supply circuit (Terminals + and -)**  
  - \( U \leq 35 \text{ V DC} \)
  - \( P = 3 \text{ W} \)

- **Warning:** Substitution of components may impair suitability for Class I, Division 2.

- **Warning:** Do not disconnect equipment unless power has been switched off or the area is known to be non-hazardous.

**NONINCENDIVE**

- **NI**  
  - Class I / Div. 2 / Groups ABCD

- **Intrinsic safety barrier is not required.** \( V_{max} \leq 35 \text{ V DC} \).

- **Warning:** Do not disconnect equipment unless power has been switched off or the area is known to be non-hazardous.

- **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 Intrinsically Safe Apparatus or Associated Apparatus not specifically examined in combination as a system using any of the wiring methods permitted for unclassified locations, when \( V_{oc} \leq V_{max}, C \geq C_i + C_{cable}, L \leq L_i + L_{cable} \).

  Field indicator Nonincendive Field Wiring parameters are as follows:

  - \( U_i \) or \( V_{max} \leq 35 \text{ V DC} \)
  - \( C_i \leq 5 \text{ nF} \)
  - \( L_i \leq 10 \text{ µF} \)

  For these current controlled circuits, the parameter \( I_{max} \) is not required and need not to be aligned with parameter \( I_{sc} \) and \( I_t \) of the Associated Nonincendive Field Wiring Apparatus or Associated Apparatus.

  - **Warning:** Explosion Hazard - Do not disconnect equipment unless power has been switched off or the area is known to be non-hazardous.

  - **The field indicator is suitable to be installed according the FNICO concept.**

**NOTE**

When the product is installed as a FNICO installation use drawing 12 08 00 111.