

Hazardous (Classified) Location  
NI / Class I / Division 2 / Groups ABCD



Nonhazardous Locations

### Installation Notes Series 440 Transmitter



- FM Approved Apparatus must be installed in accordance with manufacturer's instructions.
- The spacing between intrinsically safe and non-intrinsically safe circuits is at least 50 mm.
- Use supply wires suitable for 5 °C above.
- The configuration of the Series 440 transmitter is only permitted in nonhazardous locations.
- To prevent ignition of explosive atmospheres, disconnect power before servicing.
- The device must be installed in a suitable enclosure.
- The transmitter 440 and RTD Sensor is to be installed in Class I, Division 2 location.  
Warning: Substitution of components may impair suitability for Class I, Division 2.

### 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.  $V_{max} \leq 30$  V dc.
- 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 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  $V_{oc} \leq V_{max}$ ,  $C_a \geq C_i + C_{cable}$ ,  $L_a \geq L_i + L_{cable}$ .

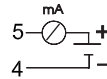
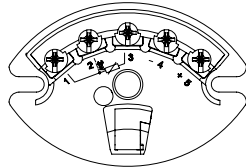
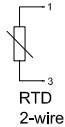
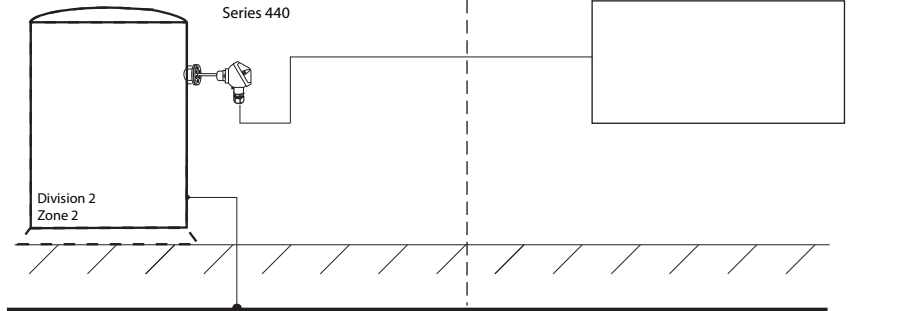
Transmitter Nonincendive Field Wiring parameters are as follows:

$U_i$  or  $V_{max} \leq 30$  V dc       $C_i \leq 144$  nF       $L_i \leq 0$

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.


### Functional ratings

These ratings do not supersede Hazardous Location values  
 $U_{nom} \leq 35$  dc     $I_{nom} \leq (4 \text{ to } 20)$  mA



### Temperature range

- T4 -40 °C ... +85 °C
- T5 -40 °C ... +65 °C
- T6 -40 °C ... +50 °C

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