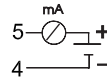
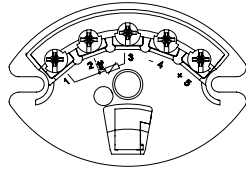
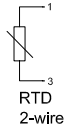
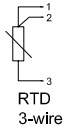
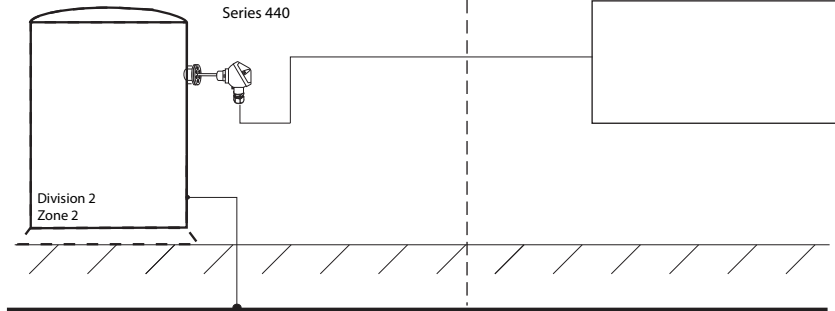


Hazardous (Classified) Location
NI / Class I / Division 2 / Groups ABCD



Nonhazardous Locations

CSA Certified associated apparatus



Temperature range

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

Installation Notes Series 440 Transmitter



- The head transmitter must be installed in accordance with this control drawing and Article 504 and 505 of NEC and Section 18 of CEC as applicable.
 - 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.
- 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 and Section 18 of CEC.
- The Series 440 transmitter and RTD Sensor is to be installed in Class I, Division 2 location.
- 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
 $I_{nom} \leq 35$ dc $I_{nom} \leq (4 \text{ to } 20)$ mA

TITLE: Series 440 CSA Control Drawing NI		PART NUMBER:		DATE: 11/05/2012	
This document is PROPRIETARY to Pyromation, Inc.		SIZE: A	DRAWING NO: M007401	REV: C	SCALE: N/A



FORT WAYNE, INDIANA

(260) 484-2580