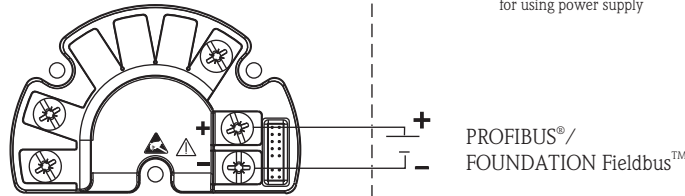
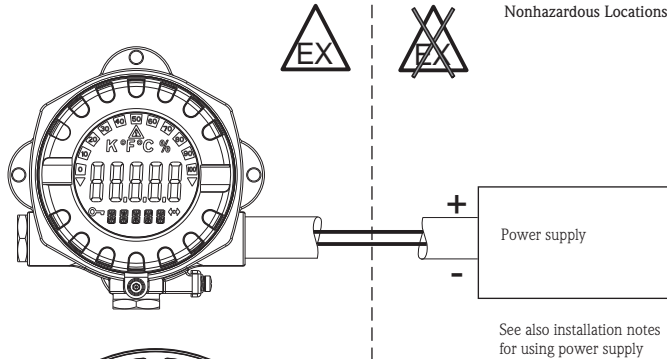
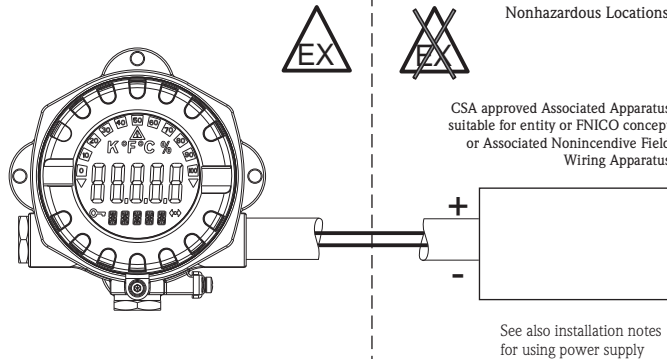


Hazardous (Classified) Location
 Class I / Division 1, 2 / Groups ABCD
 Class I, Zone 0, IIC
 Class II / Division 1, 2 / Groups EFG
 Class III



Hazardous (Classified) Location
 Class I / Division 2 / Groups ABCD
 Class I, Zone 2, IIC



Nonhazardous Locations

Nonhazardous Locations

CSA approved Associated Apparatus
 suitable for entity or FNICO concept
 or Associated Nonincendive Field
 Wiring Apparatus

Installation Notes RID14

Temperature range

T4 -40°C ... +80°C T5 -40°C ... +70°C T6 -40°C ... +55°C

EXPLOSION PROOF DUST IGNITION PROOF

Class I / Div. 1 / Groups ABCD
 Class II, III / Div. 1 / Groups EFG

- CSA approved apparatus must be installed in accordance with manufacturer's instructions.
- Installation must be in accordance with Canadian Electrical Code.
- All Conduits must be assembled with a minimum of five full threads engagement.
- Field indicator must be CSA 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

Class I / Zone 2 / Ex nA IIC
 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 $V_{oc} \leq V_{max}$, $C_a \geq C_i + C_{cable}$, $L_a \geq L_i + L_{cable}$.
- Field indicator Nonincendive Field Wiring parameters are as follows:
 U_i or $V_{max} \leq 35 \text{ V DC}$ $C_i \leq 5 \text{ nF}$ $L_i \leq 10 \mu\text{F}$
- 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 00 112.

	Approved Pfanzelt	Date (yyyy-mm-dd) 2009-07-06	Drawing No. 12 08 00 114	Dwg.rev.	Revision no.	Revision date (yyyy-mm-dd)	Name	Material 71116943 ZD 085R/09/en/05.10	Endress+Hauser
Volume (mm³)	Designed Pfanzelt	Date (yyyy-mm-dd) 2009-07-05	Unit RID14	Scale 1:1	Title CONTROL DRAWING CSA			Series	
Refer to protection notice ISO 16016	Edge of working parts ISO 13715	Geometrical tolerancing ISO 2768-mH-E	Part No. -	Format A4	Format XP/NI/DIP			Objekt version Sheet 1 of 1	
								Endress + Hauser Wetzer GmbH+Co. KG Nesselwang / Germany	

