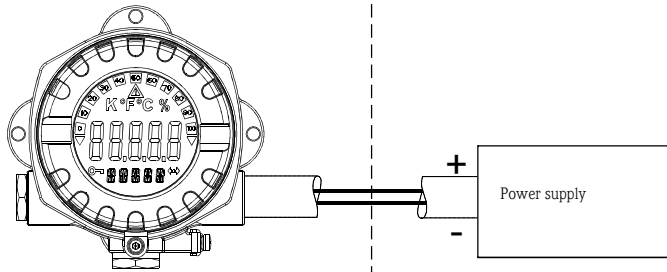
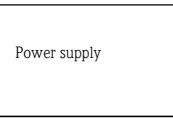


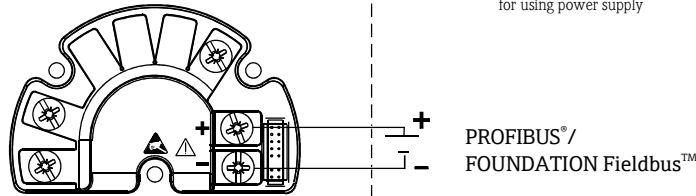
Hazardous (Classified) Location
 Class I / Division 1, 2 / Groups ABCD
 Class II / Division 1, 2 / Groups EFG
 Class III



Nonhazardous Locations

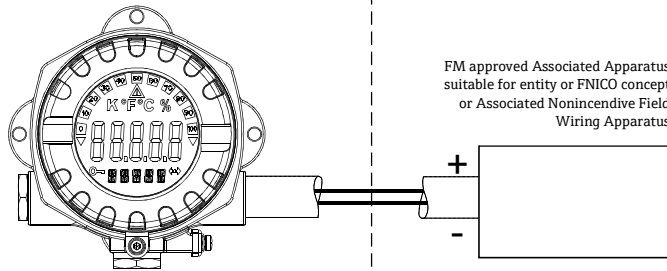


See also installation notes for using power supply



PROFIBUS®/
 FOUNDATION Fieldbus™

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



Nonhazardous Locations

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

See also installation notes for using power supply

Installation Notes RID14

Temperature range

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



EXPLOSION PROOF

XP Class I / Div. 1 / Groups ABCD

DUST IGNITION PROOF

DIP Class II, III / Div. 1 / Groups EFG

- FM approved apparatus must be installed in accordance with manufacturer's instructions.
- Installation must be in accordance with National Electrical Code.
- 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 ≤ 35 V DC
 - P = 3 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. $V_{max} \leq 35$ 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 $V_{max} \leq 35$ V DC $C_i \leq 5$ nF $L_i \leq 10$ 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.

Approved	Pfanzelt	Date (yyyy-mm-dd)	2009-07-06	Drawing No.	12 08 00 113	Dwg.rev.	A	Revision no.	W14304	Revision date (yyyy-mm-dd)	2014-03-04	Name	MP	Material	71252117 ZD00080R/09/EN/13.14	Endress+Hauser
Volume (mm³)	Designed	Pfanzelt	2009-07-05	Unit	RID14	Scale	1:1	Title		CONTROL DRAWING FM		Series				
Refer to protection notice ISO 16016	Edge of working parts ISO 13715	Geometrical tolerancing ISO 2768-mH-E	Part No.	-	Format	A4	Title		XP/NI/DIP		Objekt version	Sheet	1 of 1		Endress + Hauser Wetzler GmbH+Co. KG Nesselwang / Germany	