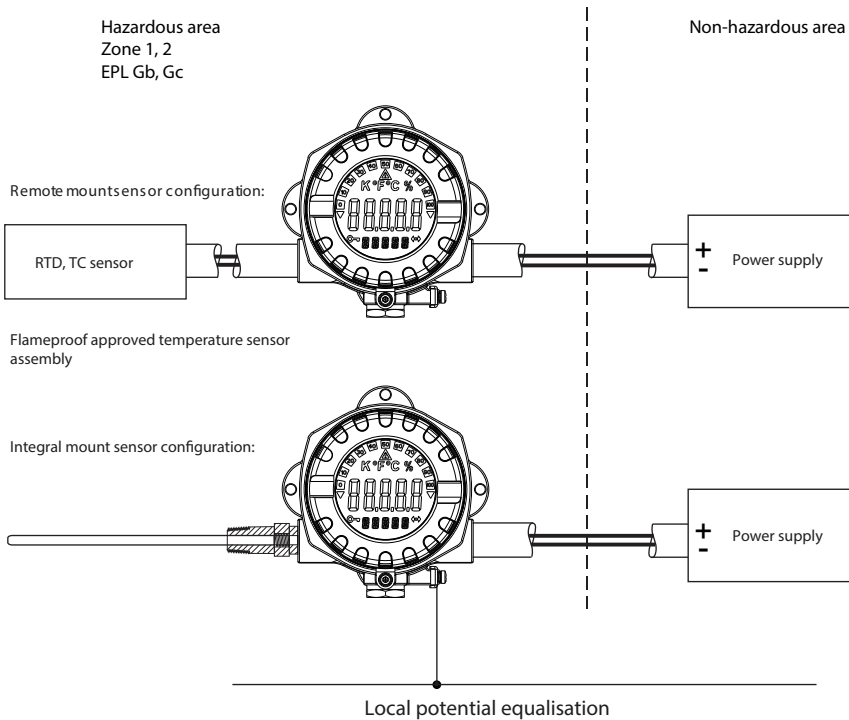


DEKRA 16ATEX0002 X; IECEx DEK 16.0011 X

Applied standards: ATEX: EN 60079-0 : 2012+ A11:2013  
 EN 60079-1 : 2014  
 IECEx: IEC 60079-0 : 2011+ Cor.2012+ Cor.2013  
 IEC 60079-1 : 2014



**Safety instructions:**

**Installation**

- Comply with the installation and safety instructions in the Operating Instructions.
- Install the device according to the manufacturer's instructions and any other valid standards and regulations (e.g. IEC 60079-14).
- The housing of field transmitter must be connected to the potential matching line.
- Only the approved wire entries as specified in paragraph 10.3 of IEC60079-14, paragraph 16 of IEC 60079-0, paragraph 13 of IEC 60079-1 must be used.
- For connection through a conduit entry approved for this purpose the associated sealing facility shall be mounted directly to the housing.
- Seal unused entry glands with approved sealing plugs that correspond to the type of protection.
- For operating the transmitter housing at an ambient temperature under -20 °C, appropriate cables and cable entries permitted for this application must be used.
- For ambient temperatures higher than +70 °C, use suitable heat-resisting cables or wires, cable entries and sealing facilities for Ta +5K above surrounding.
- During operation, the cover must be screwed all the way in and the cover's safety catch must be fastened.
- The remote or integral mounted temperature sensor must comply with the requirements according to IEC 60079-1.
- The flameproof joints are not intended to be repaired.

**Safety instructions:**

**Special conditions**

- Use for remote temperature sensors only approved sensors certified for category II2G marked not less than II2G Ex d IIC T6...T4 Gb for use in Zone 1.
- Use for integral temperature sensors only approved sensors certified for category 1G or 2G marked not less than II1/2G Ex d IIC T6...T4 Ga/Gb or II2G Ex d IIC T6...T4 Gb for use in Zone 0 resp. Zone 1.
- The temperature class specified for the certified temperature sensor shall be taken into account.
- The transmitter must be installed so, that even in the event of rare incidents, an ignition source due to impact or friction between the enclosure and iron/steel is excluded.



Warning!

Do not open the electrical connection of the power supply circuit in an explosive atmosphere.

**Type**

642 HART® -protocol

**Electrical Data**

U ≤ 40 V dc  
 P ≤ 3 W

**Category**

II2G

**Type of protection (ATEX)**

Ex db IIC T6...T4 Gb

**Type**

642

**Type of protection (IEC)**

Ex db IIC T6...T4 Gb

**Type**

642

**Type**


642

**Temperature class**

T6  
 T5  
 T4

**Ambient Temperature**

-40 °C ≤ Ta ≤ +55 °C  
 -40 °C ≤ Ta ≤ +70 °C  
 -40 °C ≤ Ta ≤ +80 °C

TITLE: <b>642 Safety Instructions</b>		PART NUMBER:		DATE: <b>07/10/2019</b>	
(G)		SIZE: <b>A</b>		DRAWING NO: <b>M009601</b>	
This document is PROPRIETARY to Pyromation, Inc.		REV: <b>A</b>		SCALE: <b>N/A</b>	
					FORT WAYNE, INDIANA (260) 484-2580