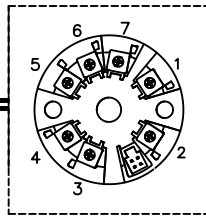


Hazardous Location: Zone 0,1, 2

Hazardous Location:
Zone 1, 2 EPL Gb, Gc

Nonhazardous Location

e.g. RTD or TC Sensor
(Simple Apparatus) mounted
directly or remotely



CSA certified intrinsically safe device.
Associated safe device with maximum
connection values per entity
parameters table (below).



Intrinsically Safe: Ex ia [ia Ga] Gb

WARNING: Potential Electrostatic Charging Hazard - See Instructions

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. EN/IEC 60079-14).
- When installing the unit note that the housing ingress protection classification IP20 according to EN/IEC 60529 is upheld.
- When connecting the measurement unit with a certified circuit of category "ib" into an IIC or IIB hazardous area the ignition class changes to: Ex ib IIC or Ex ib IIB.
- In hazardous areas it is not permitted to use the CDI interface for configuration.
- Keep enclosure cover closed tightly and safety lock engaged when circuits are powered and an explosive atmosphere is present. Enclosure requires 3mm hexagonal wrench to engage safety lock.
- The temperature 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.

Safety instructions: Head transmitter

- The device (connection head) must be connected to the potential compensation cable.
- The certified D10 display may only be installed in zone 1/EPL Gb or zone 2/EPL Gc.
- The permissible ambient temperatures for the display, type D10, are to be observed.
- The device (connection head) must be connected to the potential compensation cable.
- The certified D10 display may only be installed in zone 1/EPL Gb or zone 2/EPL Gc.
- The permissible ambient temperatures for the display, type D10, are to be observed.

Temperature range: Ex ia IIC ...T82 in 79 enclosure with display

Ta: -40°C to +55/70/85°C

Entity Parameters			
Power supply (terminals + and -)	Ui ≤ 30 VDC, Ii ≤ 130 mA, Pi ≤ 800 mW Ci = 0 nF, Li = 0 μH		
Sensor circuit (terminals 3 to 7)	Uo ≤ 7.6 VDC; Io ≤ 13 mA; Po ≤ 24.7 mW Max. connection values:		
	Ex ia IIC	Lo = 10 mH	Co = 1 uF
	Ex ia IIB	Lo = 50 mH	Co = 4.5 uF
	Ex ia IIA	Lo = 50 mH	Co = 6.7 uF
Display connection (optional)	Uo ≤ 7.6 VDC, Ii ≤ 130 mA Ci = negligibly small, Li = negligibly small Max. connection values		
	Ex ia IIC	Lo = 3.1 mH	Co = 0.64 uF
	Ex ia IIB	Lo = 16 mH	Co = 3.8 uF
	Ex ia IIA	Lo = 27 mH	Co = 12 uF

Field Wiring Connection Threads w/ Model 79 enclosure: (2) 1/2"NPT



DEKRA 23ATEX0041
IECEx DEK 23.0036
II 2(1) G
Ex ia [ia Ga] IIC T6...T4 Gb

TITLE: Installation Drawing DEKRA Ex ia - T82 Transmitter w/ 79 Enclosure	PART NUMBER:	REVISION DATE: 06/30/2023	
This document is PROPRIETARY to Pyromation	SIZE: A	DRAWING NO: H092701	
		SCALE: N/A	FORT WAYNE, INDIANA 260-484-2580