



Temperature hub 6000-TEMP-01

- Allows for temperature sensing to automatically initiate cooling or heating of enclosure
- Intrinsically safe and loop powered with the 6000 Series control unit
- Suitable for Zone 1 and Division 1 mounting
- Four temperature points per hub
- Temperature control for purged/pressurized enclosures

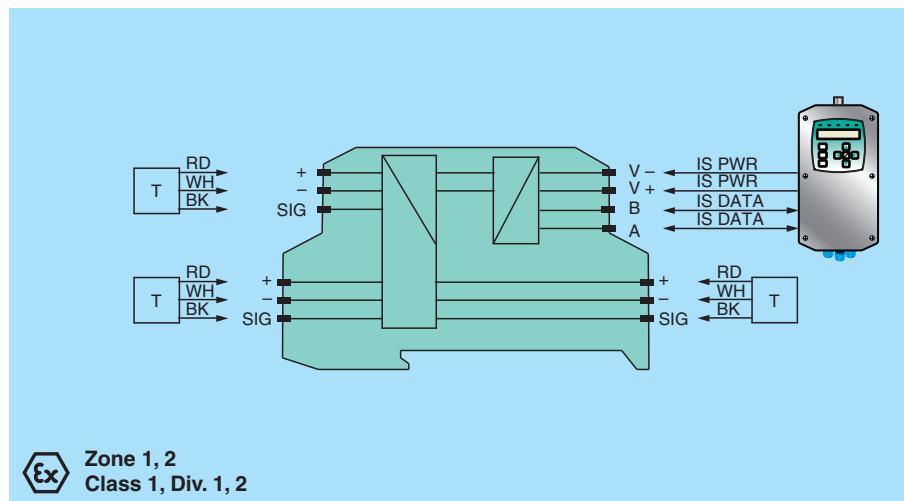
Temperature Hub for 6000 Series Purge system



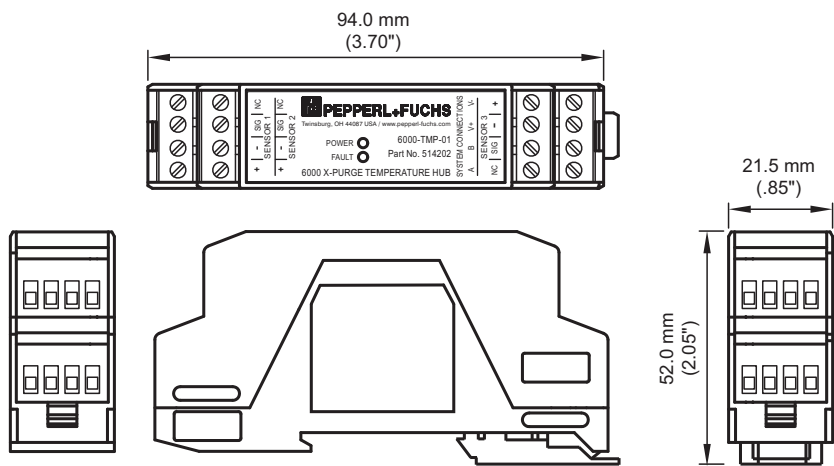
Function

The 6000-TEMP-01 is intrinsically safe when connected to the control unit and will provide intrinsically safe connections for up to three (3) 6000-TSEN-01 temperature sensors. The 6000-TEMP-01 has one embedded temperature sensor for a single point temperature function. The 6000-TEMP-01 can only be used with the 6000 Series control unit and cannot be used as a standalone device. This unit can be mounted in Zone 1 and Class I / Division 1 locations but must be protected in Zone 21 and Class II / Division 1 locations.

Connection



Dimensions



Technical Data

General specifications		
Series	6000 Series	
System		Type X Purge ; Ex pxb Purge
Electrical specifications		
Connection		
Power	Intrinsically Safe back to 6000 control unit	
Signal		BUS back to 6000 control unit
Connection	Intrinsically Safe cabling	
Rated voltage	U _r	13 V DC
Rated current	I _r	max. 10 mA
Distance		20 m to 6000 Control Unit
Ambient conditions		
Ambient temperature		-20 ... 85 °C (-4 ... 185 °F)
Storage temperature		-40 ... 85 °C (-40 ... 185 °F)
Relative humidity		< 95 % non-condensing
Vibration resistance		1 g , 10 ... 100 Hz , all axes
Impact resistance		30 g, 11 ms, all axes
Mechanical specifications		
Connection type		screw terminals
Core cross section		12 ... 30 AWG
Housing material		Akulon S225-KS
Degree of protection		IP20

Technical Data

Mass		approx. 110 g
Dimensions		99 mm x 52 mm x 23 mm
Mounting		panel or DIN rail mounting
Data for application in connection with hazardous areas		
EU-type examination certificate		UL/Demko 07 ATEX 0705753X
International approvals		
UL approval		File no: E184741
cULus		File no: E184741
IECEx approval		IECEx UL 08.0003X

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