

6000 Series 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

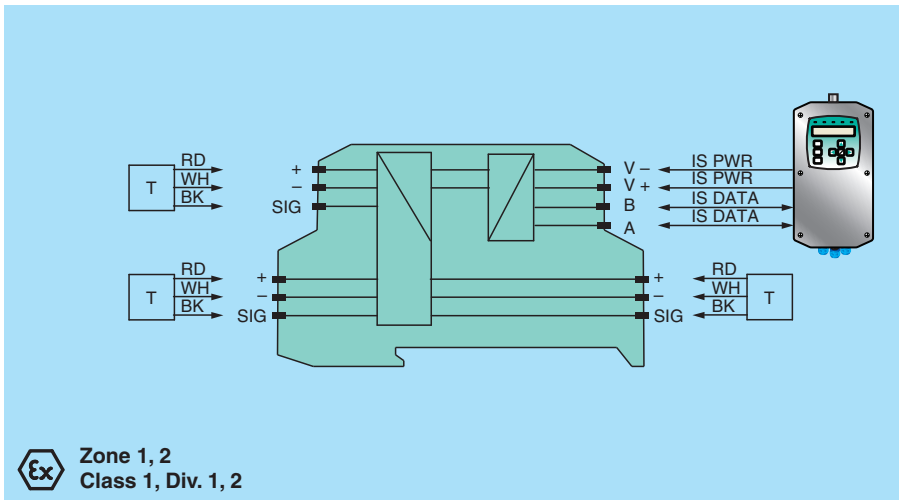
Temperature Hub for 6000 Series Purge system



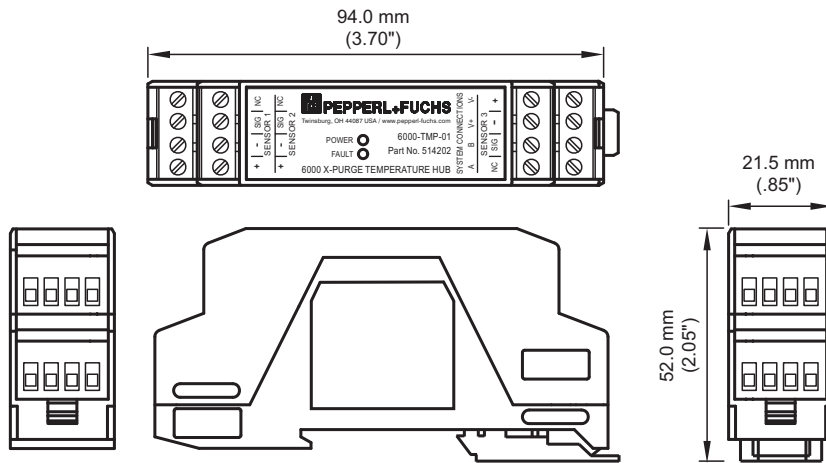
Function

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

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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