

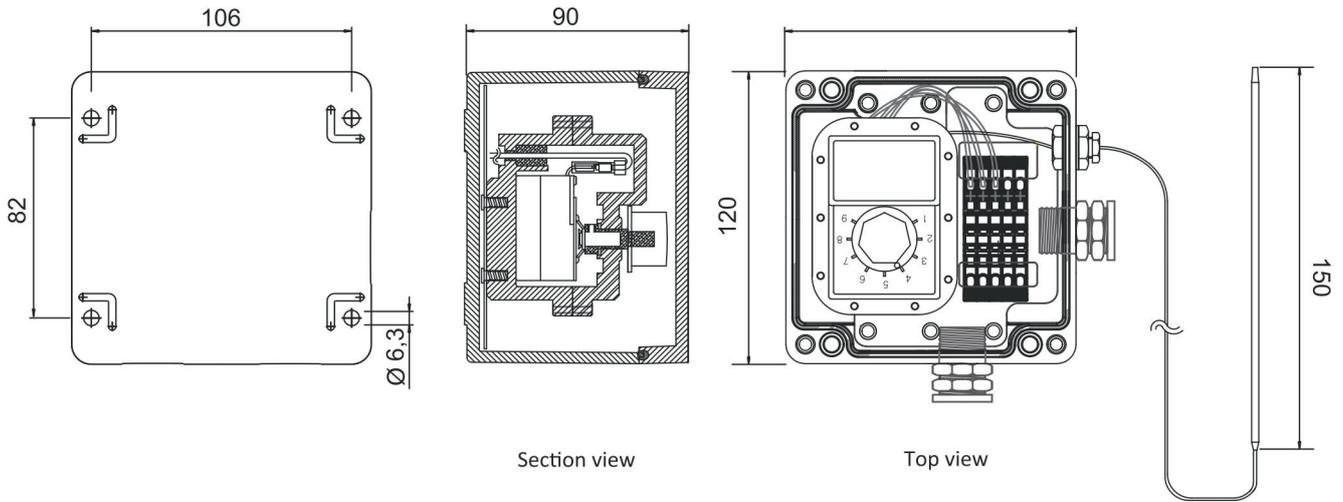
PYEX-EP-MTS12

Explosion proof capillary thermostat

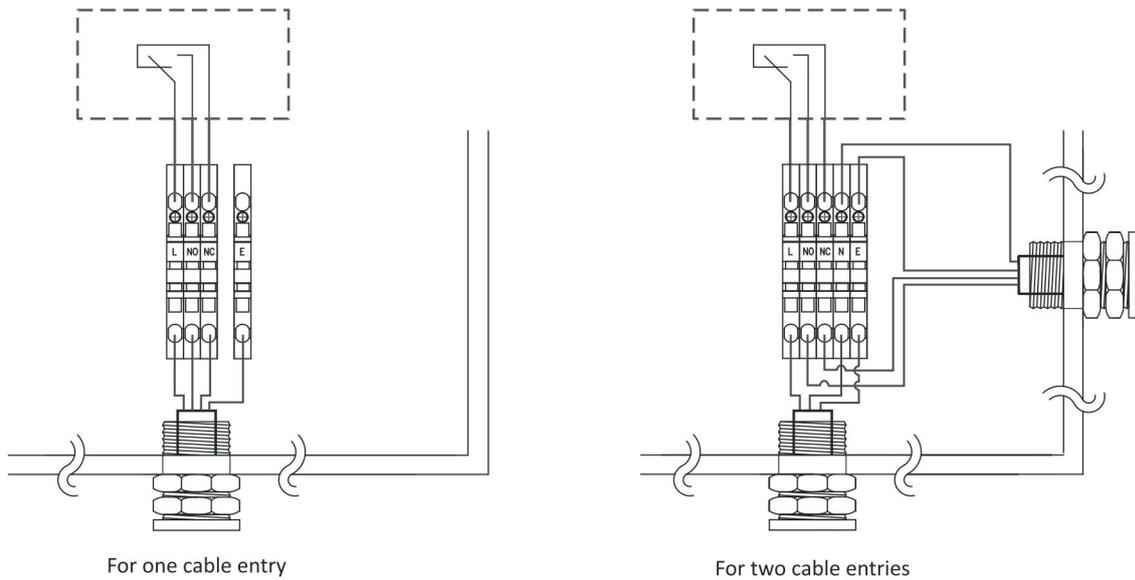


<p>Features</p>	<p>The explosion proof capillary thermostat PYEX-EP-MTS12 is built to sense and control surface temperature of various objects in potentially explosive areas.</p> <p>The capillary thermostat is enclosed within Ex db (flameproof) aluminium enclosure and then the whole aluminium enclosure assembly is fitted inside 120 x 120 x 90mm engineering plastic enclosure for easy installation and maintenance on site.</p> <p>The electrical switching element of capillary thermostat works based on the expansion / shrinkage of liquid and gas, being enclosed within the sensing bulb and capillary tube.</p> <p>PYEX-EP-MTS12 is only single thermostat. Two more numerics shown after -MTS12 are for selection guide.</p>	
<p>Specification</p>	<p>Protection Type Ingress Protection Ambient temperature range Switching capacity Relay output Set point range (optional) Housing Cable entry method Number of cable entry (optional) Capillary sensor</p> <p>Sensor probe Operating temp range Terminal</p>	<p>Ex db eb IIC T6 IP56 - 20 °C to + 40 °C max. 250V / 16A Refer to Table 1. Refer to Table 1. Glassfibre reinforced polyester 120 x 120 x 90mm Plastic cable gland M16, M20, M25, M32 available max. 2 made of stainless steel Capillary Ø 1.0mm diameter, 830~1730mm in depending on model length Capillary bending radius 5.0mm max Refer to Table 1. Refer to Table 2.</p>
<p>Certification</p>		

Product drawing



Wiring diagrams



Selection guide

Table 1. Thermostat Selection Guide for PYEX-EP-MTS12 series

Thermostat No.	Temp. setting range	Service temperature for sensor probe	Capillary length (mm)	Probe diameter	Probe length	Output Terminal
1	-20 °C ~ +20 °C	-30 °C ~ +80 °C	1730	6.0	98	3
2	0 °C ~ +50 °C	-50 °C ~ +100 °C	1730	6.0	98	2
3	+30 °C ~ +90 °C	-20 °C ~ +120 °C	870	6.0	98	3
4	+30 °C ~ +110 °C	-10 °C ~ +120 °C	870	6.0	113	2
5	+30 °C ~ +110 °C	-10 °C ~ +140 °C	870	6.0	113	3
6	+54 °C ~ +324 °C	-10 °C ~ +330 °C	870	3.0	160	3
7	+200 °C ~ +600 °C	0 °C ~ +650 °C	830	3.9	163	3

Table 2. Terminal Block Selection

Terminal Selection	conductor size (mm ²)
1	2.5
2	4.0
3	6.0

Note
Tension crimping and screw tightening type are available.