

ANALOGUE TEMPERATURE CONTROLLERS

PT100 HEAD MOUNTED TEMPERATURE SWITCH



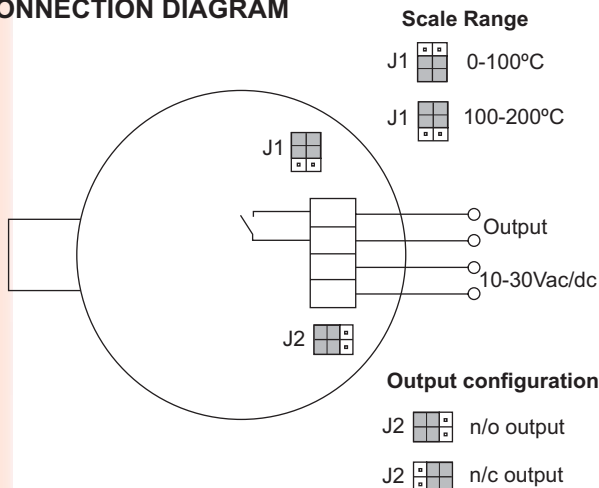
- ¼" or ½" BSP mounting thread
- 10-30 Vac/dc operation
- Integrated PT100 sensor
- External or internal potentiometer
- SPST relay output selectable for n/o or n/c contacts
- Adjustable head orientation

This range of temperature switches have an integrated PT100 sensor and can be mounted directly to pipework, tank walls or ducting. The operating temperature is set using a potentiometer, which can be internally mounted for extra security. The relay output will switch at the selected temperature and can be used to control a heater or an alarm.

SPECIFICATION

Supply voltage:	10-30Vac/dc
Power drain:	4VA max.
Scale accuracy:	+/- 2% of full scale
Scale range:	Selectable 0-100°C / 100-200°C
Input sensor:	PT100
Sensor length :	see part number table
Output rating:	SPST, 5A/240Vac resistive selectable n/o or n/c
Electrical life:	100,000 ops at rated load
Ambient range:	-10 to 50°C non-condensing
Environmental :	IP55
Mounting :	¼" or ½" BSP thread
Approvals:	Conforms to CE emc EN50081-1 & EN50082-1 and low voltage EN61010-1 directives
Weight:	100gms

CONNECTION DIAGRAM

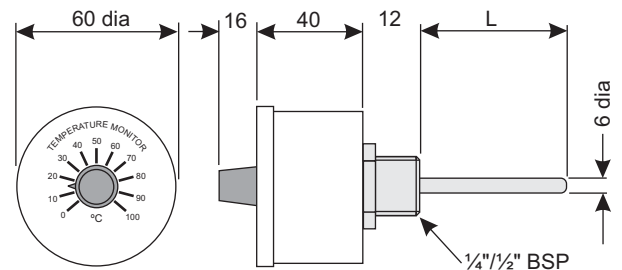


Part Numbering Options : HMTS - A B C D - E

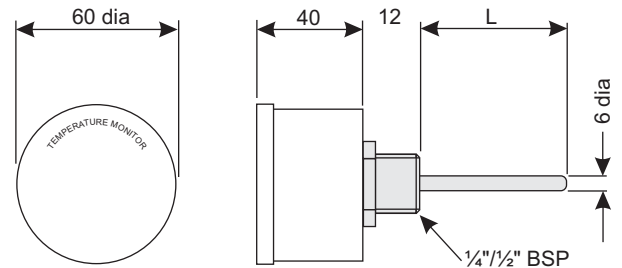
	A	B	C	D	E
Sensor	PT100				1
Temp range	0 - 100/100 - 200°C				1
Mounting thread	¼" BSP ½" BSP				1 2
Potent'r	Internal External				1 2
Sensor length	length in mm				XXXX

DIMENSIONS

External Potentiometer



Internal Potentiometer



STANDARD ITEMS

Sensor	Mounting thread	Potentiometer	Probe length	Part Number
PT100	½" BSP	External	25mm	HMTS-1122-0025
PT100	½" BSP	External	100mm	HMTS-1122-0100
PT100	½" BSP	External	250mm	HMTS-1122-0250
PT100	½" BSP	Internal	25mm	HMTS-1121-0025
PT100	½" BSP	Internal	100mm	HMTS-1121-0100
PT100	½" BSP	Internal	250mm	HMTS-1121-0250

For other sensor types, probe lengths, temperature ranges, or for internally mounted potentiometer styles, please contact our sales office.

TEMPATRON