

WALL MOUNTED TEMPERATURE DETECTOR WITH RELATIVE HUMIDITY DETECTION

PRODUCT BROCHURE

HWM-BP-A2 SERIES

PRODUCT DETAIL

- Specifically designed HVAC applications
- Detects and transmits ambient temperature levels in real time
- Choice of sensors (Pt100 standard)
- 1x isolated and linearised analog output
- Essential component in the ventilation control system
- Designed for easy installation and minimum maintenance during operation
- Highest performance at the lowest price

APPLICATION

- Heating and cooling control in residential and commercial buildings
- Recreational facilities
- Kitchen rooms and restaurants
- Plant rooms

FEATURES

- Wall mountable
- Accurate measurement and stable output
- Two wire output
- Simple user calibration
- Isolated analog output (4~20mA)
- Wide range working voltage



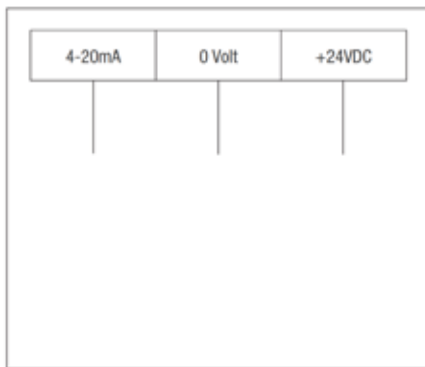
MODEL SELECTION

Model	Description
HWM-BPt-3A2	Wall mount Temperature transmitter Pt 100 , range 0-100 °C, 4-20mA Analog output

SPECIFICATIONS

Temperature Measurement	
Sensing element	Pt 100
Response Time	< 15 seconds
Measuring Range	0°C - 100°C (default) adjustable range between -50°C ~80°C
Precision	±0.2%F.S
Accuracy	< ±0.5°C (0 - 50°C)
Long term Stability	< 0.1°C / year
Electrical	
Power Supply	24VDC ±10%
Consumption	< 0.5 W
Wiring connections	Three wire connections, Screw terminal block
Outputs	
Analog output	1 x 4~20mA linear Isolated
D/A resolution	16 bit
Loop resistance	≤500Ω
Communication interface	Not available
General Performance	
Operation temperature	-20°C 85°C
Operation humidity	<95%RH, non-condensing
Storage conditions	0 50°C (32°F 122°F)
Net Weight	300g approx.
Dimensions	85mm (L) × 85mm (W) × 20mm (H)
Installation method	Wall mount
Housing	PC/ABS fireproof plastic material

WIRING DIAGRAM



Wiring: 4 - 20mA output