

# Wall Mounted Temperature Detector

With relative humidity detection

## HWM-BP-A2 series



### Features

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

### 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

### Model Selection

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

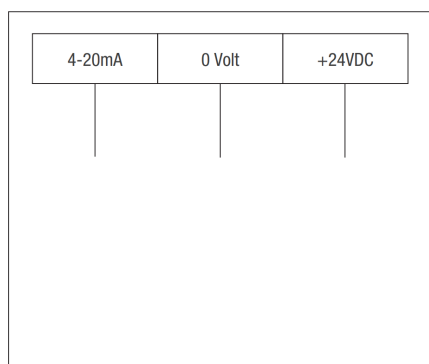
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## Specifications

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