

Features & Benefits

- Slim design for room applications
- High stability and reliability
- Auto detection 0-10Vdc or 4-20mA outputs, loop powering via DIP
- Direct thermistor option available
- LCD display and user interface options
- Easy installation: Two part, push-in spring terminal blocks

Technical Overview

A valuable feature of this sensor is when in 3-wire mode it automatically detects what the controller input is set to, 4-20mA or 0-10Vdc. This removes the requirement for output jumpers that can be inadvertently set incorrectly. 2-wire loop powering selectable via DIP switch. It also provides on board LED indication for power status and fault find.

Specification

Active outputs	0-10Vdc or 4-20mA (3-wire) self-detecting, 4-20mA (2-wire via DIP)
AH accuracy	±2% (20 to 60% RH)
Dewpoint output ranges	-50 to 50°C
Dimensions	115 x 85 x 30mm
Enthalpy output ranges	-20 to +250kJ/kg
Environmental Housing	0 to 50°C, 0 to 95% RH non-condensing
Gross Weight (kg)	0.15
Override optional passive outputs	VFC
Power Supply	24Vac/dc ±10%
Protection	IP30
RH output ranges	0 to 100%
Setpoint optional passive outputs	11-1kΩ/0-10kΩ. Linear
Temperature Accuracy	±0.5% (20 to 40°C)
Temperature Output range	0 to 40°C as standard. Others available on request. Range of 0 to +50°C
Weight	180g

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Dimensions	115 x 85 x 30mm
Active outputs	0-10Vdc or 4-20mA (3-wire) self-detecting, 4-20mA (2-wire via DIP)
Temperature Output range	0 to 40°C as standard. Others available on request. Range of 0 to +50°C
Power Supply	24Vac/dc $\pm 10\%$
Temperature Accuracy	$\pm 0.5\%$ (20 to 40°C)
Material	ABS (flame retardant)

Related Product Codes

RH-S-AH	Space Mounted T and RH Sensor 2%
-BLK	Space Mounted T and RH Sensor 2% Black
-LCD	Space Mounted T and RH Sensor 2% c/w LCD
-SP	Space Mounted T and RH Sensor 2% c/w Setpoint