

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

The RH-S uses the latest high accuracy RH & T element, and offers options such as set point adjust & momentary switch, together with a multi-line backlit LCD display. It allows effective control strategies to improve indoor environment, save energy and protect building fabric from moisture and condensation. A 0-10Vdc override status input option is also available, allowing occupancy indication on the display. A valuable feature of this sensor is, when in 3-wire mode, it automatically detects the controller input type, 4-20mA or 0-10Vdc. This removes the requirement for output jumpers. 2-wire loop powered is selectable via a DIP switch. It also provides on-board LED indication for power up status and set output mode. The terminal blocks are pluggable and allow tool free installation (ferrules required).

Specification

Active outputs	0-10Vdc or 4-20mA (3-wire) self-detecting, 4-20mA (2-wire via DIP)
AH accuracy	$\pm 2\%$ (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
Other accuracy	$\pm 3\%$ (20 to 60% RH)
Power Supply	24Vac/dc $\pm 10\%$
RH output ranges	0 to 100%
Temperature Accuracy	$\pm 0.5\%$ (20 to 40°C)
Temperature Output range	0 to 40°C as standard. Others available on request. Range of 0 to +50°C

Technical Specification

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RH output ranges	0 to 100%
Dimensions	115 x 85 x 30mm
Active outputs	0-10Vdc or 4-20mA (3-wire) self-detecting, 4-20mA (2-wire via DIP)
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Power Supply	24Vac/dc $\pm 10\%$
Temperature Accuracy	$\pm 0.5\%$ (20 to 40°C)

Related Product Codes

RH-S	Space Mounted T and RH Sensor 3%
-5V	Space Mounted T and RH Sensor 3% 5V
-BLK	Space Mounted T and RH Sensor 3% Black
RH-S-EN	Space Mounted Dewpoint and Enthalpy
-LCD	Space Mounted T and RH Sensor 3% with LCD
-MS	Space Mount RH and T 3% c/w MS
-SP	Space Mounted T and RH Sensor 3% c/w Setpoint
-T	Space Mounted T and RH Sensor 3% SAT3
-TR	Space Mounted T and RH Sensor 3% TR