



Features & Benefits

- Auto-detection 0-10Vdc or 4-20mA output, 3-wire only
- Fully configurable LCD Display
- Resistive temperature output option
- No jumpers or DIP-switches to select output type
- Direct thermistor option available

Technical Overview

The RH-x-UN range offers a cost-effective single output for relative humidity measurement. These can also include a combination of familiar passive options such as temperature, set point adjustment, momentary switch and fan speed, plus an LCD display. A unique feature of the sensor is its ability to automatically detect what sort of controller input it is connected to, 4-20mA or 0-10Vdc, removing the requirement for output jumpers which can be inadvertently set incorrectly. Just connect it to the controller input and it does the rest. PCB LED indication of which output type is in operation is provided, with diagnostic LED patterns for determining faults.

Specification

Accuracy (typical)	$\pm 3\%$ (20 to 80% RH)
Active outputs	0-10Vdc or 4-20mA (3-wire) self-detecting
Duct probe dimensions	210 x 20mm dia.
Environmental housing	-30 to 60°C, 0 to 95% RH non-condensing
Environmental media	-10 to 50°C
Gross Weight (kg)	0.36
Housing dimensions	125 x 105 x 85mm
Other protection	IP65
Output range	0 to 100% Relative Humidity
Passive temp. output	PTC/NTC Element: Any Sontay resistive
Power supply	24Vac/dc $\pm 10\%$
Shield dimensions	200 x 118mm dia.
Wall probe dimensions	90 x 20mm dia.
Wall protection	IP54

Technical Specification

Housing dimensions	125 x 105 x 85mm
Active outputs	0-10Vdc or 4-20mA (3-wire) self-detecting

Output range	0 to 100% Relative Humidity
Power supply	24Vac/dc $\pm 10\%$
Material	PC/GF (Halogen Free Flame Retardant, UV stabilized)

Related Product Codes

RH-D-UN	Duct Mounted RH Sensor
-LCD	Duct RH Sensor Single Analogue Out
-T	Duct Mounted RH Sensor SAT3