RH-S-UN

Space Relative Humidity Sensor



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

A valuable feature of this sensor is its ability to automatically detect 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. On noard LED indication of which output type is in operation is provided. Also available with passive resistive output for temperature, along with other passive outputs.

Specification

Accuracy (typical)	±3% (20 to 80% RH)
Active outputs	0-10Vdc or 4-20mA (3-wire) self-detecting
Environmental Housing	0 to 50°C, 0 to 95% non-condensing
Gross Weight (kg)	0.12
Housing Dimensions	115 x 85 x 30mm
Housing Material	ABS (Flame retardant)
Output range	0 to 100% Relative humidity
Override optional passive outputs	VFC
Power Supply	24Vac/dc ±10%
Protection	IP30
Setpoint optional passive outputs	1-11kΩ
Weight	180g

Technical Specification

Housing Dimensions	115 x 85 x 30mm
Weight	180g
Housing Material	ABS (Flame retardant)
Active outputs	0-10Vdc or 4-20mA (3-wire) self-detecting
Output range	0 to 100% Relative humidity
Power Supply	24Vac/dc ±10%

Tel: +44 (0)1732 861200 | E-mail: sales@sontay.com | Web: www.sontay.com

Sontay Limited. Four Elms Road, Edenbridge, Kent, TN8 6AB UK

© 2025 Sontay Limited. All rights reserved. Whilst every effort has been made to ensure the accuracy of this specification, Sontay cannot accept responsibility for damage, injury, loss or expense from errors or omissions. In the interest of technical improvement, this specification may be altered without notice.

Note: for all gas sensors, None of our devices are approved for use in life safety applications. This document is uncontrolled if printed. Generated on 22/07/25

Related Product Codes

RH-S-UN	Space RH Sensor Single Analogue Out
-BLK	Space Mounted RH Sensor
-LCD	Space Mounted RH Sensor LCD
-MS	Space Mounted RH Sensor
-SP	Space Mounted RH Sensor SP
-T	Space Mounted RH Sensor

Tel: +44 (0)1732 861200 | E-mail: sales@sontay.com | Web: www.sontay.com

Sontay Limited. Four Elms Road, Edenbridge, Kent, TN8 6AB UK

Sontay®

© 2025 Sontay Limited. All rights reserved. Whilst every effort has been made to ensure the accuracy of this specification, Sontay cannot accept responsibility for damage, injury, loss or expense from errors or omissions. In the interest of technical improvement, this specification may be altered without notice.

Note: for all gas sensors, None of our devices are approved for use in life safety applications. This document is uncontrolled if printed. Generated on 22/07/25