

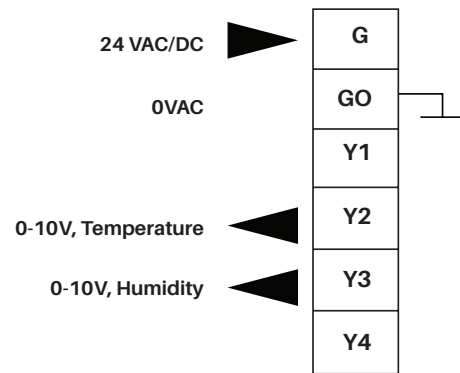
# NCSRHR1 Humidity & Temperature Transmitter



## Features & Benefits

- ▶ Stylish Room Humidity and Temperature Transmitter
- ▶ Highly stable RH sensor element
- ▶ Accuracy  $\pm 2\%$
- ▶ Humidity span 0% to 100%
- ▶ 0-10 VDC outputs
- ▶ Fast response time
- ▶ Compact enclosure
- ▶ Installer-friendly Wiring Access
- ▶ Available also with Potentiometer and Display (options)

## Wiring Diagram



## Product Description

### Humidity & Temperature Transmitter

The relative humidity and temperature transmitter NCSRHR1 is intended specifically for indoor air quality monitoring and control. The state-of-the-art design combines micro-processor based linearization and temperature correction with a worldclass capacitance sensor, resulting in reliable and accurate measurements.

### Applications

The transmitter offers reliability and accuracy for interior spaces. Excellent long-term stability and quick response time combined with temperature compensation make the product an ideal choice for HVAC applications. The transmitter offers accuracy within 2%

### Installation

The product may be flush mounted and a universal back plate provided allows mounting on a back box. For the most accurate results, units should always be mounted back box and away from any supply air exhausts and other sources of heat or cold.

The stylish casing of the product makes it ideal for any indoor space.

## Ordering Codes

NCSRHR1	Humidity & Temperature Transmitter
NCSRHR1P	Humidity & Temperature Transmitter with potentiometer
NCSRHR1LCD	Humidity & Temperature Transmitter with display
NCSRHR1PLCD	Humidity & Temperature Transmitter with potentiometer & display

## Technical Information

<b>Sensor Type (RH)</b>	Capacitive
<b>Output Signals</b>	0 - 10V <2mA
<b>Range (RH):</b>	0 ... 100 % RH
<b>Range (Temp)</b>	0 ... 50 °C
<b>Accuracy (RH)</b>	$\pm 2\%$ RH / 25°C
<b>Accuracy (Temp)</b>	$\pm 0.5\%$ °C / 25°C
<b>Power Supply</b>	24 VAC/DC, (22 ... 28V), < 2 W
<b>Operating Environment</b>	0 ... 50 °C, 0 ... 100 % RH (noncondensing)
<b>Material</b>	ABS Plastic
<b>Protection Class</b>	IP20
<b>Dimensions (mm)</b>	86 x 86 x 32