



## ROOM, DUCT, AND OSA 5% HUMIDITY TRANSMITTERS SRH15 SERIES

### DESCRIPTION

Designed for the HVAC control system, the **Setra SRH15 Series Humidity Transmitters** offer reliable measurement of RH levels from 0 to 100% with an accuracy of  $\pm 5\%$ . Available in wall, duct, and outside air configurations, the **SRH Series** transmitters are easy to install and service if necessary. The transmitters utilize a field replaceable sensor tip that allows the end user to replace sensors on-site—eliminating factory calibration and downtime.

### FEATURES

- $\pm 5\%$  RH accuracy
- No recalibration required
- Replaceable sensor
- Capacitive sensor technology
- Reverse polarity protection

**setra**



SRH113PW



SRH13PD



SRH13PO



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HUMIDITY

### WIRING

Shield		6 ← Ground connection
		5 (not used)
		4 (not used)
		3 (not used)
RTN/COM		2 → RH (4 to 20 mA) output
+EXC		1 ← Vin

### SPECIFICATIONS

<b>Accuracy</b>	5% RH (0-100% RH) @ 73°F (23°C)	<b>Wiring Terminations</b>	Pluggable terminal block
<b>Drift</b>	<1% RH/yr @ 73°F (23°C), 50% RH	<b>Dimensions</b>	
<b>Supply Voltage</b>	12-30 VDC	<b>Room</b>	4.7"H x 2.8"W x 1.0"D (12 x 7 x 2.5 cm)
<b>Signal Output</b>	4-20 mA, 2-wire	<b>Duct</b>	5.1"L x 2.7"W x 2.4"D (13 x 6.8 x 7 cm) 8.5" (21.6 cm) probe length 1/2" probe Ø
<b>Maximum Output</b>		<b>OSA</b>	6.1"L x 4"W x 12.5"D (15.5 x 10 x 32 cm)
<b>Impedance</b>	700Ω @ 24 VDC Ω = (supply - 10) / 0.02	<b>Approvals</b>	CE, RoHS
<b>Sensing Technology</b>	Replaceable capacitive polymer	<b>Weight</b>	
<b>Sensor Protection</b>	Porous polyethylene	<b>Room</b>	0.5 lb (0.23 kg)
<b>Protection</b>	Reverse polarity protection	<b>Duct</b>	1.3 lb (0.59 kg)
<b>Operating Humidity</b>	0 to 100%	<b>OSA</b>	2.6 lb (1.2 kg)
<b>Operating Temperature</b>	-40° to 140°F (-40° to 60°C)	<b>Warranty</b>	1 year (sensor) 3 years (electronics only)
<b>Enclosure</b>			
<b>Room</b>	ABS plastic (flammability, 94V-0)		
<b>Duct/OSA</b>	Polycarbonate (flammability, 94V-0), NEMA 4 (IP65)		

### ORDERING INFORMATION

MODEL	DESCRIPTION
SRH5PO11T0N	5% Outside air humidity transmitter, 4-20 mA output
SRH5PD11T0N	5% Duct mount humidity transmitter, 4-20 mA output
SRH5PW11T0N	5% Wall mount humidity transmitter, 4-20 mA output
ACCESSORIES	
SR35PT0	Replaceable 5% humidity sensor
RELATED PRODUCTS	
DPCA-1.2	Power supply, 120 VAC IN to 24 VAC/24 VDC OUT
DCP-1.5-W	Power supply, 24 VAC IN to 24 VDC OUT
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