

Temperature & Humidity Transmitters

HUMIDITY CONTROLLERS AND TRANSMITTERS

- Compact wall mounting
- Built-in sensor
- NEMA housing
- 4 to 20 mA or 0 to 1 V outputs
- Small size
- Low cost
- -20 °C to 75 °C operating range

The RH Series of Relative Humidity (RH) transmitters has a built-in sensor and is designed to be mounted on a wall. These transmitters can also be ordered in models that include Temperature as well as Relative Humidity measurements. These transmitters come with either 4-20 mA or 0-1 V outputs, and they feature liquid-tight fittings for connecting cables.



RH and RH/Temp Wall-Mounted Transmitters with Built-In Sensor

Relative Humidity

3 % RH to 95 % RH range at ± 2 % accuracy.
Temperature compensated -10 °F to +175 °F

Temperature

-20 °C to +75 °C (-4 F to +167 °F) ± 0.6 °C (± 1 °F) accuracy

RH and Temperature Outputs

4 to 20 mA or 0 to 1 V

Input Voltage

6 to 30 VDC, polarity protected for both current and voltage output units

Dimensions

See diagram below

Temperature Response Time

Under 10 seconds

Housing

ABS plastic meets UL and NEMA 4, 5, 12, and 13 classifications

Weight

RH/TEMP unit: 227 g (8 oz)
RH only unit: 114 g (4 oz)

Connections

Screw terminal lock accepts 22-14 AWG wires. Liquid-tight fitting accommodates 2.3 mm to 6.7 mm (.09 in to .265 in) diameter cables. Maximum loop resistance at 20 mA for each output: 0 ohms at 6 VDC, 200 ohms at 10 VDC, 700 ohms at 20 VDC, 1450 ohms at 30 VDC.

ORDERING INFORMATION

RH/TEMP Wall Mounted Transmitter
(4 to 20 mA output)
Order Model: RHT-20C

RH/TEMP Wall Mounted Transmitter
(0 to 1 volt output)
Order Model: RHT-10V

RH Wall Mounted Transmitter
(4 to 20 mA output)
Order Model: RH-20C

RH Wall Mounted Transmitter
(0 to 1 volt output)
Order Model: RH-10V

Included Accessories

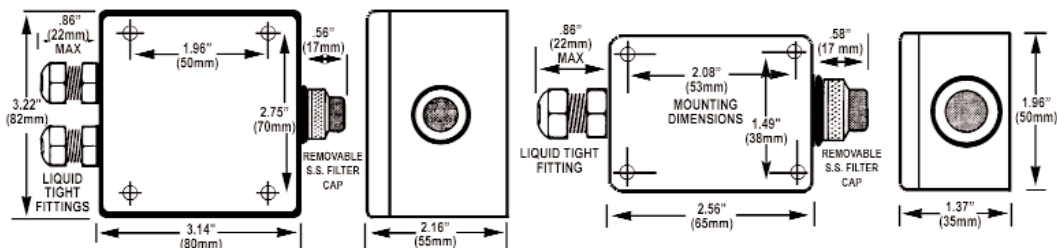
Manual P/N RH901-01

Optional Accessories

RH Calibration Kit P/N RH-CAL
Allows fast calibration of all TEGAM humidity controllers and transmitters. Calibration salts for 11 % and 75 % RH points are good for at least two years. The kit contains the following:

- (2) Bottles containing 1 oz. (28 gm) each of ACS' reagent quality, lithium chloride (11.3 % RH) salt and sodium chloride (75.3 % RH) salt
- (2) Fitting caps to accommodate all TEGAM humidity controllers and transmitters
- (1) liquid dropper
- Set of instructions
- Case

Z540 Compliant Calibration with Certificate and Data
P/N OPT-Z540



TEGAM RH/Temp Transmitters

TEGAM RH Transmitters



Prices and specifications subject to change without notice.



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