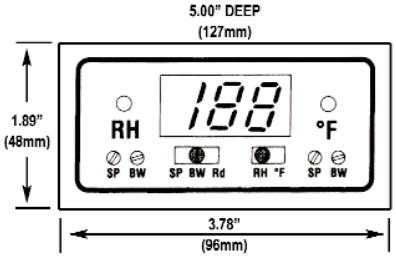
Temperature & Humidity Controller

HUMIDITY CONTROLLERS AND TRANSMITTERS

RH/Temperature Controller and Probe

- **Included duct probe may be up to 1,000 feet from the controller**
- **Stainless steel probe (10" long, .75" diameter)**
- **State-of-the-art thin film polymer sensor**
- **Recorder outputs**
- **Two 5 Amp, 250 VAC SPDT relays for setpoint output**
- **1/8 DIN metal enclosure with panel mounting bracket**
- **Digital display of setpoints, bandwidths, and measured values**

The CSP Series measures and displays Relative Humidity (RH) and Temperature. It is also a setpoint controller. The controller output consists of two-5 Amp 250 VAC SPDT relays, one for RH and one for Temperature. The setpoint and dead band controls are independent of each other, which makes setting these parameters fast and simple. The CSP also has recorder outputs for RH and Temperature. The included probe can be duct or wall mounted up to 1,000 feet from the controller.



Relative Humidity*
3 %RH to 95 %RH range at ±2 % accuracy, 1 % display resolution. Temperature compensated -10 ºF to +175 ºF.

Temperature*
0 ºF to 180 ºF range at ±1º accuracy, 1º resolution (0 ºC to 85 ºC, ±.6 ºC accuracy for ºC version)

Response Time*
Under 20 seconds

Controls
Setpoints: 0 % RH to 100 % RH, 0 ºF to 180 ºF. Dead bands: to ±50 % RH, to ±50 ºF (±40 ºC) - all digitally displayed

Recorder Outputs
10 mV/% RH and 10 mV/ºF (10 mV/ºC)

Controller Outputs
Dual SPDT relays, 5 amp/250 VAC contact rating

Display
0.56 in high-brightness digits
Off-scale indication for open wires
Relay "ON" indicators

Input Power
115 VAC ±15 %, 50/60 Hz, 5 watts maximum. 230 VAC model available

** Specifications with included TEGAM RDP-20C*

Probe
TEGAM RDP-20 stainless steel probe, 10 in. long, .75 in. diameter.

Mounting
Panel cutout 45 mm (1.77 in) x 92 mm (3.62 in). Mounting bracket adjusts to 3/8 in. (9.5 mm) maximum panel

Enclosure
1/8 DIN metal enclosure with panel mounting bracket

Weight
Controller: 538 g (19 oz)
Probe: 198 g (7 oz) with flange

Connections
Screw terminals, 14 AWG maximum, 10 amp/250 V. Probe supplied with 4 pin mating connector for 26 to 18 AWG wires

ORDERING INFORMATION

RH/TEMP
Controller and Probe
(115 VAC Power)
Order Model: CSP-F1 (ºF)
Order Model: CSP-C1 (ºC)

RH/TEMP
Controller and Probe
(230 VAC Power)
Order Model: CSP-F2 (ºF)
Order Model: CSP-C2 (ºC)

Included Accessories
Manual P/N CSP-F1-900-01
P/N RDP-20-901-01

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

Prices and specifications subject to change without notice.

TEGAM®
YOUR GLOBAL SOURCE FOR TEST AND MEASUREMENT SOLUTIONS