

# Relative Humidity Controller with Recorder Output

RHCN-3  
\$299



230 V Versions Optional\*

- ✓ Accurate to  $\pm 3\%$  RH
- ✓ Splash-Proof NEMA Enclosure
- ✓ Stainless Steel Miniature RH Probe May Be Remotely Mounted Thousands of Feet from Controller
- ✓ Setpoint/Bandwidth Control
- ✓ 10 mV/% RH or 50 mV/% RH Recorder Output
- ✓ OEM Markets

OMEGA's RHCN-3 is an economical relative humidity controller. The probe uses a thin film polymer capacitive sensor which may be mounted thousands of feet from the controller box. The RHCN-3 has a standard 10 mV/% RH or 50 mV/% RH (internally selectable) recorder output, and a 5 A SPDT relay for control. The controller is suitable in such applications as baking and food processing, HVAC, computer rooms, art galleries, greenhouses, and many others.



RHCN-3, \$299, shown smaller than actual size.

## Specifications

**Accuracy:**  $\pm 3\%$  RH from 3% to 95% RH at 25°C

**Operating Temperature Range:** -20 to 85°C (4 to 185°F)

**Control Output:** SPDT relay form "C"; rated 5 A, 250 Vac, 30 Vdc

**Recorder Output:** 10 mV/% RH or 50 mV/% RH, internally set

**Bandwidth Control:** Non-interacting, 0 to  $\pm 20\%$  RH

**Power:** 8 Vdc to 30 Vdc, 125 milliamps max

### Mechanical

**Probe:** Stainless steel, 19 mm dia. (0.75"), 119 mm long (4.7"), 1.5 m (5'), 2-wire cable, bracket for wall mounting

**Controller:** Housed in standard "T" box 114 x 70 x 51 mm deep (4½ x 2¾ x 2") screw terminal connections

**AVAILABLE FOR FAST DELIVERY!**

## To Order (Specify Model Number)

Model No.	Price	Description
RHCN-3	\$299	Relative humidity controller
RHCN-3-RP	195	Replacement probe
PSR-24S	60	Regulated power supply, 24 Vdc, 400 mA, screw terminal
PSR-24L	60	Regulated power supply, 24 Vdc, 400 mA, UL, 1.8 m (6') cord with stripped leads
PSR-24L-230	60	Regulated power supply, 24 Vdc, 400 mA, stripped leads, 230 Vac input, CE
PSU-93	40	Unregulated power supply, 16 to 23 Vdc, 300 mA max, screw terminal
RHCN-3-CABLE	125	2-wire cable 152 m (500') spool
CAL-3-HU*	125	NIST-traceable calibration

Comes complete with wall mounting bracket for probe, operator's manual.

**Ordering Example:** RHCN-3, relative humidity controller with PSU-93, power supply, \$299 + 40 = \$339.

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