RH Controller
Panel-Mount Design

RHCN Series
$625
All Models

1 YEAR WARRANTY · MADE IN USA · CE · NIST

230 V Versions   Optional*

System comes complete with temperature/humidity probe and controller.

Shown smaller than actual size.

✔ **Controls Both RH and Temperature**
✔ **Two 5A Relay Contacts**
✔ **Adjustable Deadbands for Relative Humidity and Temperature**
✔ **Dual Recorder Outputs**
✔ **Remote RH/Temperature Probe Included**
✔ **Adjustable/Removable Probe Duct Flange Easily Adjusts Probe Depth**

The RHCN Series controllers are economical, panel-mounted instruments designed to monitor and control RH and temperature, and feature dual relay contacts for on/off control. An easily accessible front panel switch toggles the large LED display between a continuous reading of either relative humidity or air temperature. The RHCN features 2 standard recorder outputs of 10 mV/% RH and 10 mV/degree, for simple interfacing with a computer or datalogging device.

The solid state humidity and 100 Ω Platinum RTD temperature sensors are enclosed in a compact probe which may be mounted virtually any distance away from the controller.

Specifications

Measuring Ranges: 3 to 95% RH (temperature compensated -10 to 175°F); 0 to 85°C (0 to 180°F)
Accuracy: ±2% RH; ±1°F/°C
Display Resolution: 1% RH; 1°F/°C
Response Time: Less than 20 sec

Setpoint Controls: Digitally adjustable from 0% to 100% RH, 0 to 85°C (0 to 180°F). Deadband adjustable from ±0% RH to ± 50% RH, and ± 0°F/°C to ±50°F/°C
Control Outputs: Dual SPDT relays, 5 A/250 Vac
Recorder Outputs: 10 mV/% RH, and 10 mV/degree
Display: 14 mm (0.56") LED, off-scale indication for open input, relay "on" LED indication
Controller Mounting: Panel mount with adjustable mounting bracket, adjusts up to 9.5 mm (⅜") thick panels
Power: 115 or 230 Vac ±15%, 50/60 Hz, 5 W max
Connections: Screw terminals, 14 AWG max; probe supplied with 4-pin mating connector, 26 to 18 AWG wires

Panel Cutout: 45 x 92 mm (1.772 x 3.622"), ⅛ DIN
Probe Mounting: Duct mount with adjustable/removable duct flange [adjustable from 25 to 216 mm (1 to 8.5")]; 83 mm (3.25") diameter cutout, 27 mm (1.062") diameter flange with 4 evenly spaced 4 mm (0.156") holes on 57 mm (2.25") circle; wall mounting bracket included
Dimensions:
  Controller:
  45 H x 92 W x 127 mm D (1.772 x 3.622 x 5.0")
  Probe, CPVC Tube:
  235 L x 22 mm D (9.25 x 0.84")
Weight:
  Controller: 539 g (19 oz)
  Probe: 142 g (5 oz)

☐ *MOST POPULAR MODELS HIGHLIGHTED!*

To Order *(Specify Model Number)*

Model No.	Price	Description
RHCN-1F	$625	Relative humidity/temperature controller, °F display, 120 Vac, includes probe
RHCN-1C	625	Relative humidity/temperature controller, °C display, 120 Vac, includes probe
RHCN-2F	625	Relative humidity/temperature controller, °F display, 230 Vac, includes probe
RHCN-2C	625	Relative humidity/temperature controller, °C display, 230 Vac, includes probe
2319	195	Replacement RH/temperature probe
CAL-3-HU*	125	NIST-traceable calibration
GE-2108	80	Reference Book: Cumulative Sum Charts

Controller comes complete with humidity/temperature probe and operator's manual.
Ordering Example: RHCN-1C, *relative humidity/temperature controller with °C display and probe with* **CAL-3-HU,** *NIST-traceable calibration, $625 + 125 =* **$750.**
RHCN-2F, *relative humidity/temperature controller with °F display,* **$625**

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