

Relative Humidity On/Off Controller



RHCN-7000 Series

\$65

All Models



- ✓ Bright Green 3-Digit LED Display
- ✓ 0 to 1 or 0 to 3 Vdc, 4 to 20 mA Inputs
- ✓ 8 Amp Relay Output
- ✓ Simple On/Off Control
- ✓ Compatible with RH Transmitters
- ✓ Optional RH Probe

The microprocessor based RHCN-7000 Series on/off controller provides control for humidifying or de-humidifying. Relative humidity, output status, and error messaging can be viewed on the bright green LED display. The controller features user defined parameters including setpoint, hysteresis, control type, and probe adjustment. Access to programming parameters can be locked for security purposes using the password protection feature. Select RHCN-7000 models can be interfaced with most RH transmitters that provide a 0 to 1 Vdc or 4 to 20 mA output, or an optional RH probe, model RHCN-7000-RP can be ordered to work with 0 to 3 Vdc input models.

Specifications

(Instrument Only)

Relative Humidity Range: 0 to 100% RH
Input: 0 to 3 or 0 to 1 Vdc or 4 to 20 mA (depending on model)

Accuracy: ±1% RH

Display: 3-digit, green, 12.7 mm (0.5") digits

Resolution: 1-digit

Temperature Limits: 0 to 70°C (32 to 158°F)

Storage Temperature: -20 to 80°C (-4 to 176°F)

Output: 8 A SPDT relay @ 250 Vac resistive

Horsepower Rating (HP): ½ HP

Control Type: ON/OFF

Power Requirements: 110 or 230 Vac (depending on model)



RHCN-7001, \$65, shown larger than actual size.

Memory Backup: Nonvolatile memory

Weight: 65 g (2.3 oz)

Front Panel Rating: IP64

Optional Probe

Output: 0 to 3 Vdc

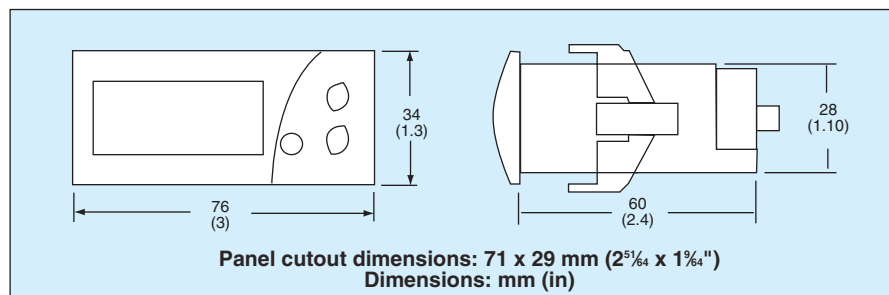
Dimensions: 64 x 25 mm (2.5 x 0.98"), 1.22 m (4') cable

Relative Humidity Range:

25 to 90% RH (probe only)

Accuracy: ±5% RH @ 25°C (77°F)

System Accuracy (Instrument and Optional Probe): ±6% RH



MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)

Model No.	Price	Description
RHCN-7001	\$65	RH controller, 0 to 1 Vdc input, 110 Vac
RHCN-7002	65	RH controller, 0 to 1 Vdc input, 230 Vac
RHCN-7003	65	RH controller, 4 to 20 mA input, 110 Vac
RHCN-7004	65	RH controller, 4 to 20 mA input, 230 Vac
RHCN-7005	65	RH controller, 0 to 3 Vdc input, 110 Vac
RHCN-7006	65	RH controller, 0 to 3 Vdc input, 230 Vac
RHCN-7000-RP	84	Humidity probe, 0 to 3 Vdc output (for models RHCN-7005 and RHCN-7006 only)

Comes complete with operator's manual.

Ordering Examples: RHCN-7003, relative humidity controller, 4 to 20 mA input, 110 Vac power, \$65. RHCN-7005, relative humidity controller, 0 to 3 Vdc input, 110 Vac power, RHCN-7000-RP, humidity probe, \$65 + 84 = \$149.

Accessory (Field Installable)

Model No.	Price	Description
CNQUENCHARC	\$8	Noise suppression kit, 110 to 230 Vac

Recommended Reference Book: Air Quality, ES-1501, \$85.
 See Section Y for Additional Books.



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