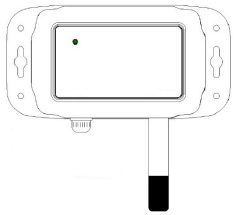
Accessories

- Optional Remote Sensors
  1.5% resolution, up to 200 feet

Standard sensor
PN: 92909



High humidity sensor
PN: 92906

Caution

- NOT a fail-safe device
- Indoor use ONLY
- Avoid condensation
- Install in a DRY area

About Fogco

With over 35 years of commitment to innovative product development and ongoing customer service, Fogco is recognized as an industry-leading manufacturer of high quality misting equipment for residential, commercial, and industrial markets. We offer a wide range of permanent and mobile products for indoor and outdoor cooling, humidification, dust suppression, and odor control applications.

Fogco
600 S 56th Street, Suite 9
Chandler, AZ 85226
PH: (800) 607-6478

FOGCO

FOGCOntroller II

USER MANUAL

PN: 94160
version 3
Humidity & Temperature Controller
w/ Remote Sensor Support

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FOGCO

The Controller

This is a low AC/DC supply voltage humidity controller device with an optional remote sensor module extension, ideal for controlling humidification systems in both industrial and commercial applications.

Features

- Graphic display showing humidity, temperature, and set points
- Certified humidity sensor with extraordinary performance
- Optional remote sensor module support over RS485 protocol
- User friendly setup routine with control buttons on the front panel
- Programmable humidity, temperature, and hysteresis set points

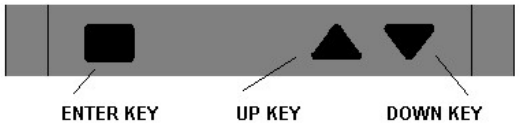
Specifications

Measurement Range:	0% to 99% RH
Operating Range:	0°C to 55°C or 32°F to 130°F
Control Range:	30~99% RH non-condensing
	0°C to 55°C or 32°F to 130°F
Hysteresis Range:	2% to 9%;
	2° to 9°
Operating Voltage:	24V AC/DC
Relay Contact:	1A Max @ 120V AC
	2A Max @ 30V DC
Sensor Stability:	±1.5% RH from 20-80% RH
	±0.15% RH and ±0.1% °C/F
Sensor response time:	8 Sec.
Temperature effect:	2% RH to 9% RH
	10°C to 40°C or 50°F to104°F
	< 0.5% RH/year

V3, updated May 2025

Operating Mode

The controller becomes operational immediately after applying the power. In operating mode, the RH, temp, and the status of the relays are displayed on the LCD display.



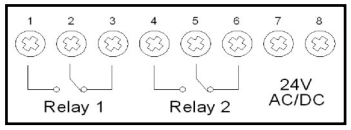
Modes

- **Manual mode:** allows the operator to engage the relays by using the control buttons on the front panel
- **Humidity mode:** when ambient humidity is less than the RH set point, the relays will be energized in accordance with the start/stop delay durations until the ambient humidity reaches the RH set point
- **Temperature mode:** when ambient temperature is higher than the TEMP setpoint, the relays are energized until ambient temperature gets de-creased to the temperature set point
- **Temp&Humid mode:** uses the humidity setpoint as a secondary condition to halt operation. This mode prevents excessive humidity during de-creasing ambient temperature.

Factory Default Settings

Humidity : 45% RH
Hmd hyst: 3% RH
Temperature: 24°C or 75°F
Temp hyst: -15°C or 5°F
Relay1 - start 1 sec. - stop 5 sec.
Relay2 - start 5 sec. - stop 1 sec.

Wiring



Note: During the setup mode, RH measurements and relays are disabled

Hysteresis: This is the dead band or delta around the set point where the status of relay remains unchanged.

Setup Routine

Main Menu

1.Mode:

Set::

1. manual
2. humidity
3. temperature
4. temp&humid

Sensor:

1. internal
2 external

2. Delay:

Relay1 and Relay2 start/stop delay setup in seconds

3. Hysteresis:

Humidity and Temperature threshold configuration

3. Miscellaneous:

Temperature scale: Celsius or Fahrenheit
Shut down: can be set in 10-minute increments up to 60 minutes