

H47 series

HUMIDITY/TEMPERATURE CONTROLLER

Specification Data



GENERAL

H47 series HUMIDITY/TEMPERATURE CONTROLLER is designed for control environment humidity and temperature. It provides 1 or 2 stages control. For example: 2 stages control for humidity, 2 stages control for temperature, or 1 stage control for humidity and another for temperature. It could be used in different application environment as well.

SPECIFICATIONS

Switch pattern

Temperature / Humidity

Humidity

Sensor Element : CMOS

Measurement Range : 0~100%RH

Signal Output : RELAY

Motionless belt : $\pm 3\%$ RH or $\pm 5\%$ RH

Accuracy : $\pm 4.5\%$ RH (at 25°C, 20~80%RH)

Long Term Stability : 1%RH; typical at 50% RH
in five years

Temperature

Temp Sensor : CMOS

Measurement Range : -40°C ~ 100°C

Signal Output : RELAY

Motionless belt : $\pm 1^\circ\text{C}$ or $\pm 3^\circ\text{C}$

Accuracy: $\pm 0.5^\circ\text{C}$ at 25°C

Long Term Stability: $\pm 0.25^\circ\text{C}$ per year

Power Supply

85~265 or 24 VAC/VDC $\pm 10\%$

Working temperature

Room type -30°C ~ +70°C

OSA type -40°C ~ +70°C

5% ~ 95% RH without condensation

Storage Temperature

-50°C ~ +85°C

Housing Material: Plastic (ABS)

Flame retarded acc. to UL94-V2

Protection Standard

Room type IP30

OSA or Immersion IP65

Calibration

Factory calibrated

Wiring Diagram

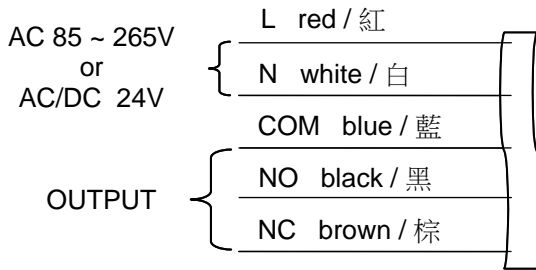


Fig.1 / 圖一

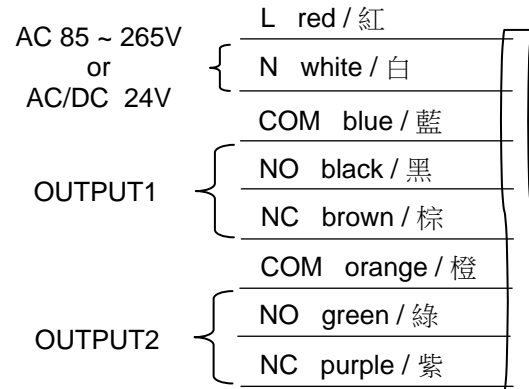


Fig.2 / 圖二

MODEL NUMBER

H47A1001	LED Humidistat/Thermostat selectable, 1 stage, Space mount
H47A2003	LED Humidistat/Thermostat selectable, 1 stage, remote sensor, Front door mounted
H47A2005	LED Humidistat/Thermostat selectable, 1 stage, remote sensor, Cabinet mounted on DIN-rail
H47B1001	LED Humidistat/Thermostat selectable, 2 stages, Space mount
H47B2003	LED Humidistat/Thermostat selectable, 2 stages, remote sensor, Front door mounted
H47B2005	LED Humidistat/Thermostat selectable, 2 stages, remote sensor, Cabinet mounted on DIN-rail



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Subject to change without notice.