Honeywell

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 : ± 3 %RH or ± 5 % RH
Accuracy : ± 4.5%RH (at 25℃, 20~80%RH)
Long Term Stability : 1%RH; typical at 50% RH in five years

Temperature
Temp Sensor : CMOS
Measurement Range : -40℃ ~ 100℃
Signal Output : RELAY
Motionless belt : ± 1℃ or ± 3℃
Accuracy: ± 0.5℃ at 25℃
Long Term Stability: ± 0.25℃ per year

Power Supply
85~265 or 24 VAC/VDC ±10%

Working temperature
Room type -30℃ ~ +70℃
OSA type -40℃ ~ +70℃
5% ~ 95% RH without condensation

Storage Temperature
-50℃ ~ +85℃
Housing Material: Plastic (ABS)
Flame retarded acc. to UL94-V2

Protection Standard
Room type IP30
OSA or Immersion IP65

Calibration
Factory calibrated

Wiring Diagram

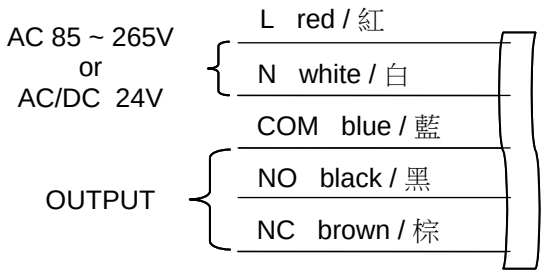

Fig.1 / 圖 一

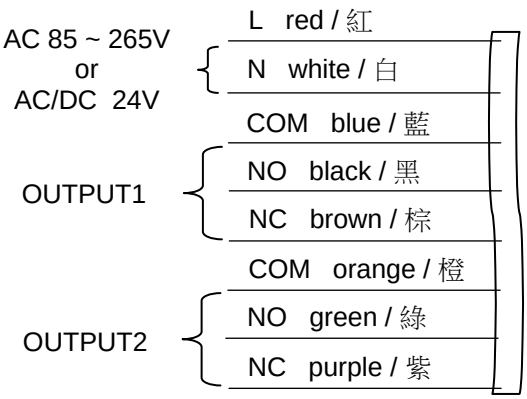

Fig.2 / 圖 二

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.