Humidity Controller

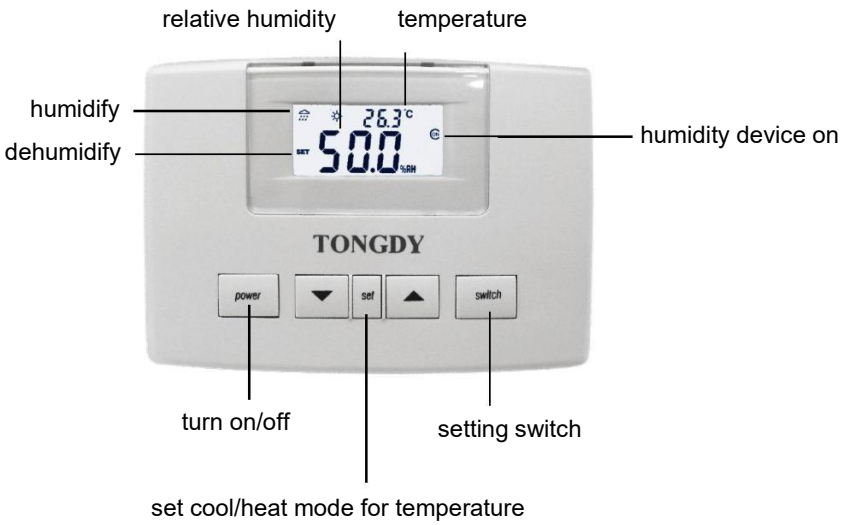
Product No: F2000P-TH

Relative Humidity Control for Humidifier or Dehumidifier with Temperature Detection/Control

Features

- Detect and display ambiance relative humidity& and temperature
- LCD displays room humidity and temperature, set point, and control status etc. Makes reading and operating easy and accurate
- One or two dry contact outputs to control an humidifier/dehumidifier and a cooling/heating device
- Enough parameters options in advanced settings for end users meet more applications.
- Button-lock function avoids wrong operation and is easy to manage
- RS485 interface with Modbus RTU
- Provides option of the external RH&Temp. sensor
- Other wall mounting and duct mounting humidity controllers and transmitters, please log on our website or contact sales

Buttons and LCD



Specifications

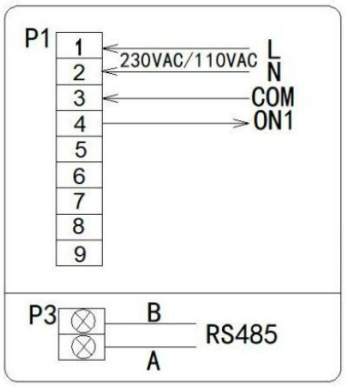
Power supply	230VAC、110VAC、24VAC/VDC　Optional in the order	
Output	One or two relay in max. 5A	
Displaying	LCD with white backlight	
External sensor connection	Typical 2m, 4m/6m/8m selectable	
Net weight	280g	
Dimensions	120mm(L)×90mm(W)×32mm(H)	
Mounting standard	Wall mounting in the wire box of 2”×4” or 65mm×65mm	
Sensor spec.	Temperature	Humidity
Accuracy	±0.5℃	±3.5% RH (10%-80%RH)
Measuring range	0℃~60℃	0~100%RH
Display resolution	0.1℃	0.1%RH
Stability	<0.15℃ per year	<0.5%RH per year
Storage environment	0℃-60℃	0%~70%RH

Models Guide

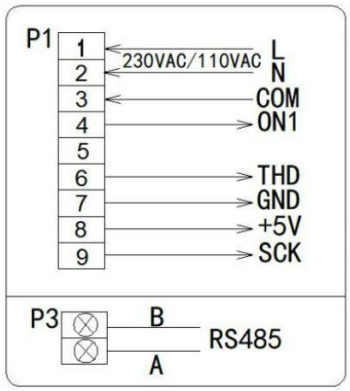
Name	Model	Description
Humidity Controller Power supply: -(A)/(B)/(C) A: 230VAC B: 110VAC C: 24VAC/VDC	F2000P-TH-K01-(A)/(B)/(C)	Detect and display real time RH&Temp. 1XON/OFF relay output to control a humidifier or dehumidifier which max. current is 5A.
	F2000P-TH-K02-(A)/(B)/(C)	Detect and display real time RH&Temp. 2 ON/OFF relay outputs to control a humidifier/ dehumidifier and a cooling/heating device. The relay's max. current is 5A.
	F2000P-TH-K01-WT-(A)/(B)/(C)	Detect and display real time RH&Temp. The sensor is external with 2m cable. 1XON/OFF relay output to control a humidifier or dehumidifier.
	F2000P-TH-K02-WT-(A)/(B)/(C)	Detect and display real time RH&Temp. The sensor is external with 2m cable.Two ON/OFF relay outputs to control a humidifier/ dehumidifier and a cooling/heating device.
Humidity Controller With RS485 Modbus RTU	F2000PC-TH-K01-(A)/(B)/(C)	Detect and display real time RH&Temp. 1XON/OFF relay output to control a humidifier or dehumidifier. RS485 interface with Modbus RTU
	F2000PC-TH-K02-(A)/(B)/(C)	Detect and display RH&Temp. 2 ON/OFF relay outputs to control a humidifier/ dehumidifier and a cooling/heating device. RS485 interface with Modbus RTU.
	F2000PC-TH-K01-WT-(A)/(B)/(C)	Detect and display RH&Temp. 1XON/OFF relay output to control a humidifier or dehumidifier. The sensor is external with 2m cable. RS485 interface, Modbus RTU
	F2000PC-TH-K02-WT-(A)/(B)/(C)	Detect and display real time RH&Temp. Two ON/OFF relay outputs to control a humidifier/ dehumidifier and a cooling/heating device. The sensor is external with 2m cable. RS485 interface, Modbus RTU
External sensor length options		
	Optional external sensor length (Standard cable length is 2 meters)	e4 means 4 meters e6 means 6 meters e8 means 8 meters

Wiring Diagrams

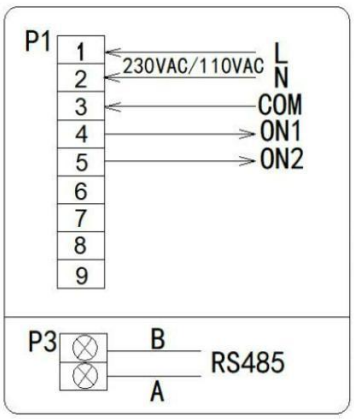
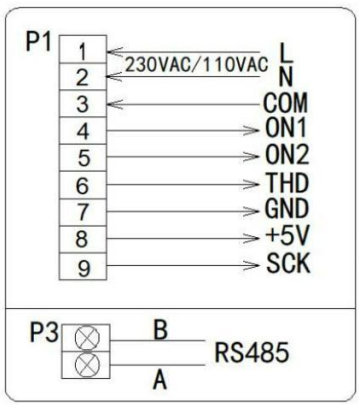
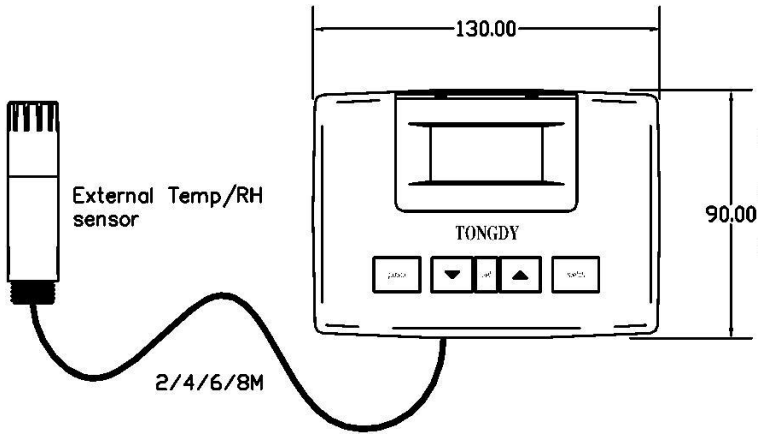
F2000PC-TH-K01-(A)(B)
/F2000P-TH-K01-(A)(B)



F2000PC-TH-K01-WT-(A)(B)
F2000P-TH-K01-WT-(A)(B)



F2000PC-TH-K02-(A)(B)
F2000P-TH-K02-(A)(B)



F2000PC-TH-K02-WT-(A)(B)
F2000P-TH-K02-WT-(A)(B)