



DIGITAL HUMIDITY CONTROLLER

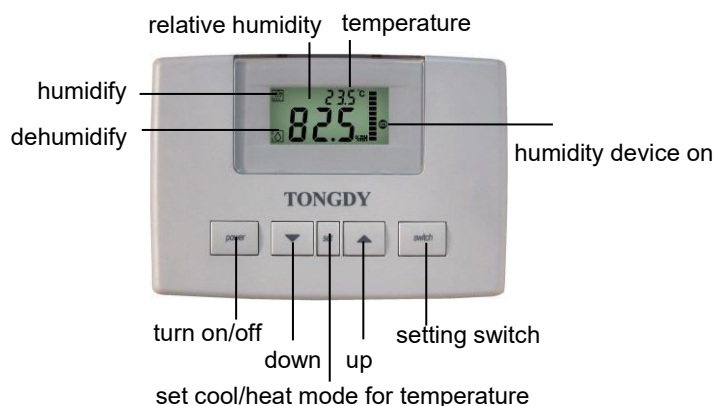
Relative Humidity Control for Humidifier or Dehumidifier

With Temperature Detection/Control

□ Features

- ◆ Detect and display ambience relative humidity& temperature
- ◆ A high accuracy RH & Temp. sensor inside
- ◆ LCD can display working status such as %RH, temperature, set point, and device mode, etc. Makes reading and operating easy and accurate
- ◆ Provide one or two dry contact outputs to control a Humidifier/dehumidifier and a cooling/heating device
- ◆ All models feature user-friendly setting buttons
- ◆ Enough parameters setup for end users for more applications. All setup will be held even if power failure
- ◆ Button-lock function avoids wrong operation and keep on the setup
- ◆ Infrared Remote Control (optional)
- ◆ Blue backlight (optional)
- ◆ Modbus RS485 interface (optional)
- ◆ Provide the controller with an external RH&Temp. sensor or external RH&Temp. sensor box
- ◆ Other wall mounting and duct mounting humidity controllers, please see our high accuracy hygostat THP/TH9-Hygro series and THP –Hygro16 Plug-and-Play high-power humidity controller.

□ Buttons and LCD



□ Models

| Product 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 RH&Temp. 1XON/OFF relay output to control a humidifier or dehumidifier. The max. current is 5A. |
| | F2000P-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. The max. current is 5A. |
| | F2000P-TH-K01-WT-(A)/(B)/(C) | Detect and display RH&Temp. with the external sensor. 1XON/OFF relay output to control a humidifier or dehumidifier. |
| | F2000P-TH-K02-WT-(A)/(B)/(C) | Detect and display RH&Temp. with the external sensor. 2 ON/OFF relay outputs to control a humidifier/ dehumidifier and a cooling/heating device. |
| Humidity Controller With Modbus | F2000PC-TH-K01-(A)/(B)/(C) | Detect and display RH&Temp. 1XON/OFF relay output to control a humidifier or dehumidifier. Modbus interface |
| | 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. Modbus interface. |
| Options for Above Models | | |
| Options | Back light-EL | Blue back light displaying |
| | Remote receiving-R | Remote control humidity with the infrared hand held controller |

□ Specifications

| Power supply | 230VAC、110VAC、24VAC/VDC selectable in the order | |
|----------------------------|---|---------------------------|
| Output | One or two Max. 5A relay/each for the On/Off output | |
| Displaying | LCD | |
| 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℃ (20℃~40℃) | ±3.5% RH (20%-80%RH), 25℃ |
| Measuring range | 0℃~60℃ | 0~100%RH |
| Display resolution | 0.1℃ | 0.1%RH |
| Stability | <0.04℃/year | <0.5%RH/year |
| Storage environment | 0℃-60℃, 0%~80%RH | |



External RH&Temp. sensor



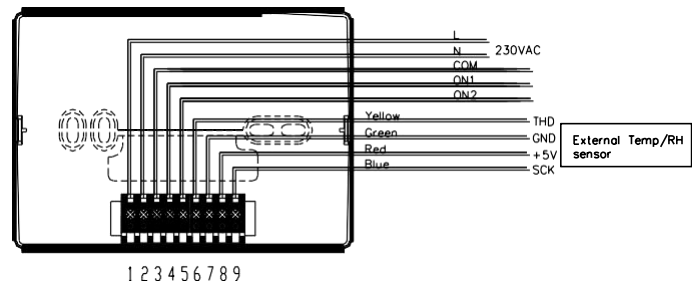
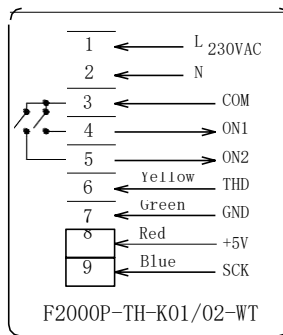
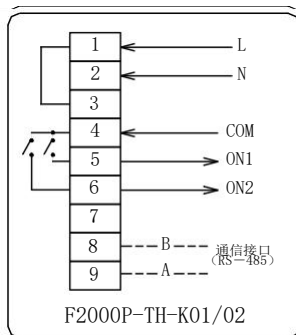
Handle remote controller (R)

□ Wiring Diagrams

F2000P-TH-K01/K02

F2000PC-TH-K01/K02

F2000P-TH-K01/K02-WT/TSM



connection figure of F2000P-TH with the external sensor

