

## FCU THERMOSTAT DATASHEET

### F2000PS SERIES

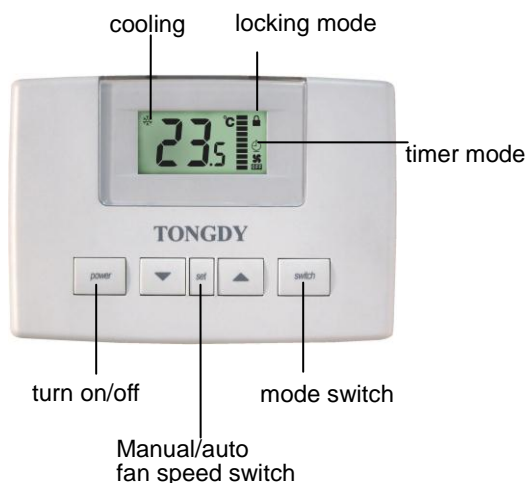
3-Speed Fan and One or Two Water Valves Control  
Non-programmable

The digital thermostat are just for room temperature control in 2-pipes and 4-pipes FCU air conditioning systems with 3-speed fan and one or two water valves.

#### □ Features

- ◆ Designed for control a 3-speed fan and one or two water valves with fan speed auto or manual adjustment selectable.
- ◆ LCD displays working status such as room temperature, set point, fan speed, etc. Makes reading and operating easy and accurate.
- ◆ All models feature user-friendly setting buttons
- ◆ Large set point range, the min. and max. limit of temperature presetting by end users
- ◆ Low temperature protection
- ◆ Celsius or Fahrenheit degree selectable
- ◆ Up to 5amp relay outputs to control a 3-speed fan
- ◆ Key-Card function is used for hotels to keep on saving-energy temperature in non-occupancy and return back the set point in occupancy.
- ◆ Infrared Remote Control (optional)
- ◆ Blue backlight (optional)
- ◆ RS485 communication interface (optional)
- ◆ For the FCU systems with a Proportional-Action water valve, please see the F2000PS-A series thermostats

#### □ Buttons and LCD



#### □ Specifications

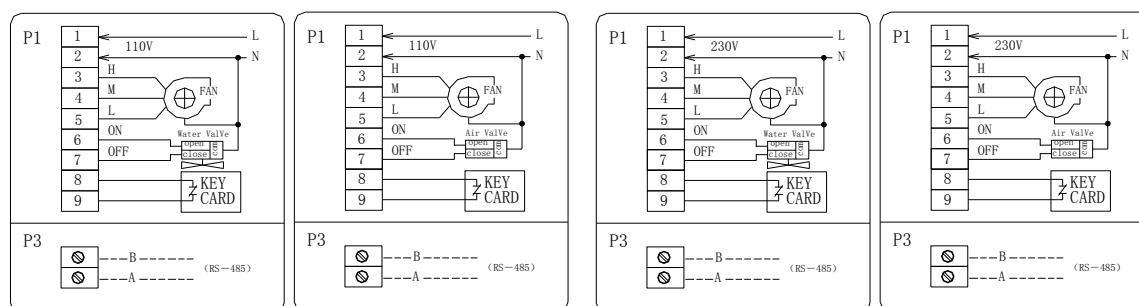
Power supply	230VAC±10% or 110VAC±10%, 50/60HZ
Electrical rating	5 amp rated relay outputs for 3-speed fan
Sensor	NTC 5K

Temperature Control Range	5-35°C (41°F-95°F)
Accuracy	±0.5°C (±1°F) @25°C
Display	LCD
Net Weight	280g
Dimensions	130mm(L)×90mm(W)×32mm(H)
Mounting Standard	Mounting on or inside the wall, 2"×4" / 65mm×65mm box
Standard	CE-Approval

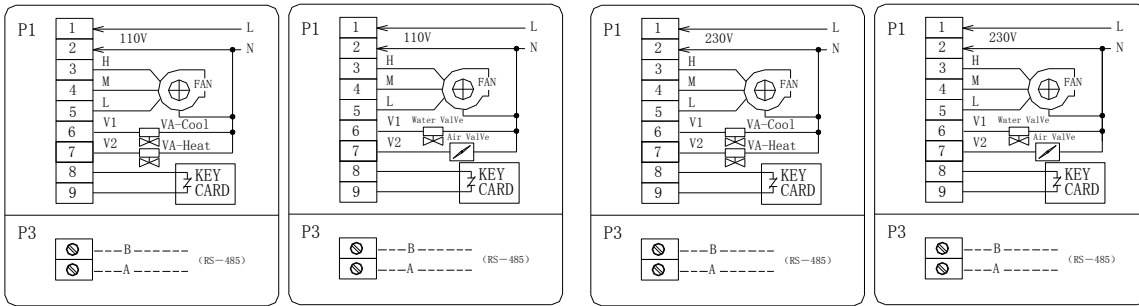
## Models

Types	Model	Characteristic
F2000PS Series FCU thermostat for 2-pipes or 4-pipes FCU systems	F2000PS-21	3-speed fan auto or manual adjustment with each 5A rated load, 1X on/off output to one 2-wire water valve. cooling/heating manual switch
	F2000PS-22	3-speed fan auto or manual adjustment with each 5A rated load, 2X on/off outputs to two 2-wire water valves for 4 pipes systems cooling/heating changeover.
	F2000PS-22-K	3-speed fan auto or manual adjustment with each 5A rated load, 2X on/off outputs to two 2-wire water valves for 4 pipes systems. cooling/heating changeover. Key-card option
FCU thermostat with Modbus RS485 interface	F2000PSC-21	3-speed fan auto or manual adjustment with each 5A rated load, 1X on/off output to one 2-wire water valve. Modbus RS485 communication interface.
	F2000PSC-22	3-speed fan auto or manual adjustment with each 5A rated load,, 2X on/off outputs to two 2-wire water valves for 4 pipes systems. Modbus RS485 communication interface
	F2000PSC-21-K	3-speed fan auto or manual adjustment with each 5A rated load, 1X on/off output to one 2-wire water valve. Key-card option. Modbus RS485 communication interface.
	F2000PSC-22-K	3-speed fan auto or manual adjustment with each 5A rated load,, 2X on/off outputs to two 2-wire water valves for 4 pipes systems. Key-card option. Modbus RS485 communication interface
Types	Options	Characteristic
Options for above models	Blue Backlight -EL	Blue backlight of LCD.
	Remote Control-R	Infrared remote control
	Sensor External-W	Temperature sensor is external (cannot be used with Key-card option)

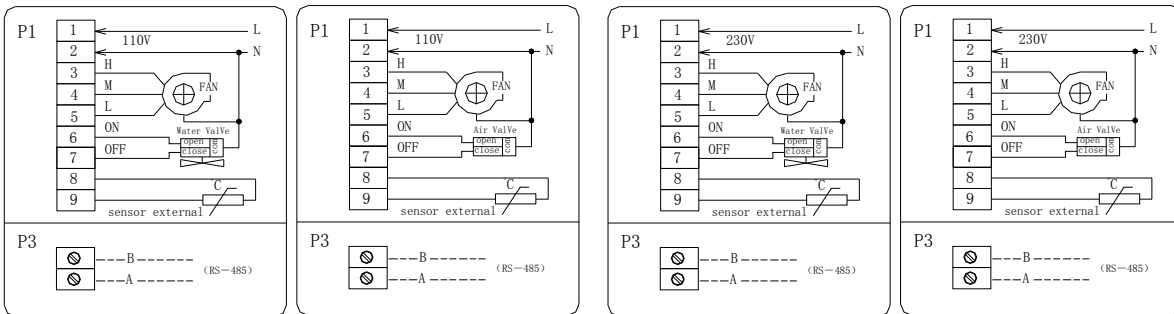
## Wiring Diagrams



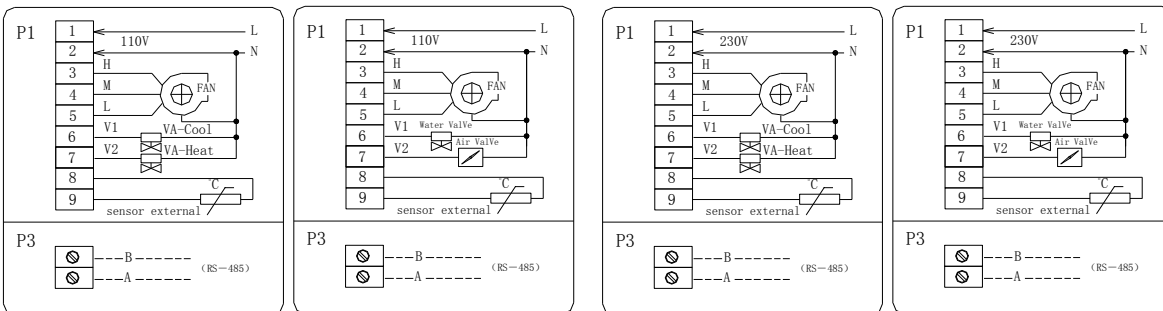
F2000PS/PSC-21-K-(A)/(B)



F2000PS/PSC-22-K-(A)/(B)



F2000PS/PSC-21-W-(A)/(B)



F2000PS/PSC-22-W-(A)/(B)

For all above models, 24VAC power supply is available.

□ **Mounting**

