

# BACnet Commercial Thermostat

## F08-PSB-21/22 Series

3-Speed Fan and One or Two Water Valves Control

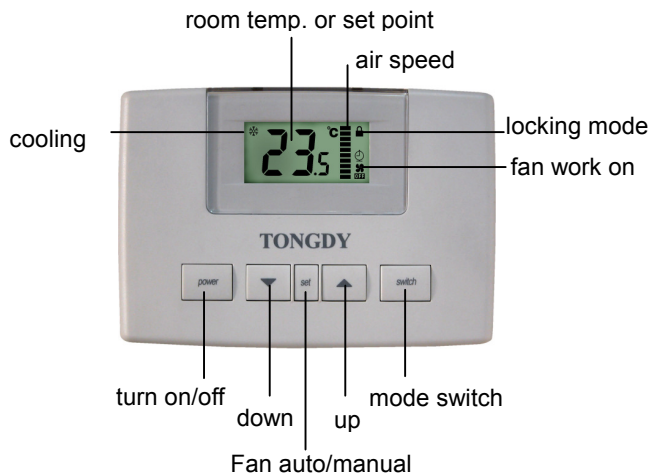


Tongdy Control Technology Co., Ltd  
www.tongdy.com

### Features

- Typical used in FCU air conditioning systems, with control a 3-speed fan and one or two water valves
- Designed for BACnet MS/TP network with a PIC statement to further facilitate integration.
- A PIC statement is supplied to be easily mapped back to a graphical user interface.
- Self configuring / adjustable baud-rate senses the communication conditions of the current MS/TP network and match them.
- 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
- Infrared Remote Control (optional)
- Blue backlight (optional)

### Buttons and LCD Description



### Specifications

Power supply	220VAC±10% or 110VAC±10% or 24VAC±10%, 50/60HZ
Outputs	3 relay outputs with each 5A for 3-speed fan 2XTriac outputs with each 1A for one or two water valves
BACnet interface	BACnet MS/TP with adjustable baud-rate
Temperature 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

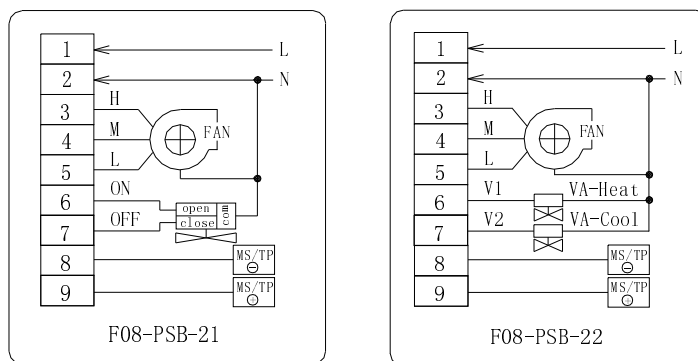
### Models

Types	Model	Characteristic
BACnet thermostat for 2-pipes FCU systems	F08-PSB-21	3-speed fan auto or manual adjustment, 1X on/off output to one 2-wire water valve
BACnet thermostat for 4-pipes FCU systems	F08-PSB-22	3-speed fan auto or manual adjustment, 2X on/off outputs to two 2-wire water valves for 4 pipes systems. Cooling/heating auto change over or manual switch selectable
Types	Options	Characteristic
Options	Blue Backlight -EL	Blue backlight of LCD.
	Remote Control-R	Infrared remote control

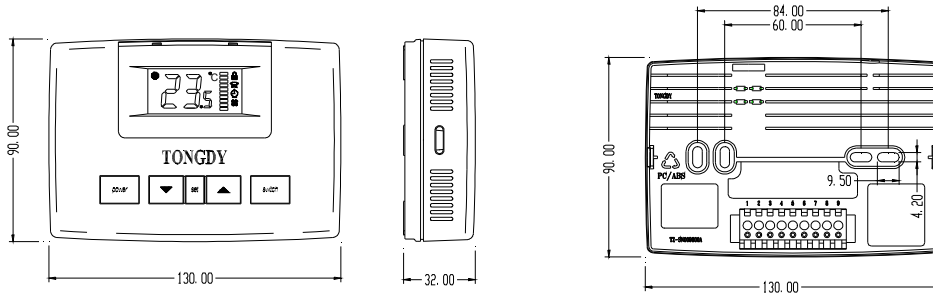
### Shipping Information

Indiv. Ctn. Dim	135mm×95mm×55mm
Master Ctn. Qty	40
Master Ctn. Dim	44cm(L)X34cm(W)X32cm(H)
Master Ctn. Wt.	14KG

### Wiring Diagrams



 **Mounting**



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