Tongdy Sensing Tech.

VAV Room Thermostat





F2000LV-A **F06-VAV**

VAV Room Thermostat with Proportional-Action Control for VAV Terminals

Features

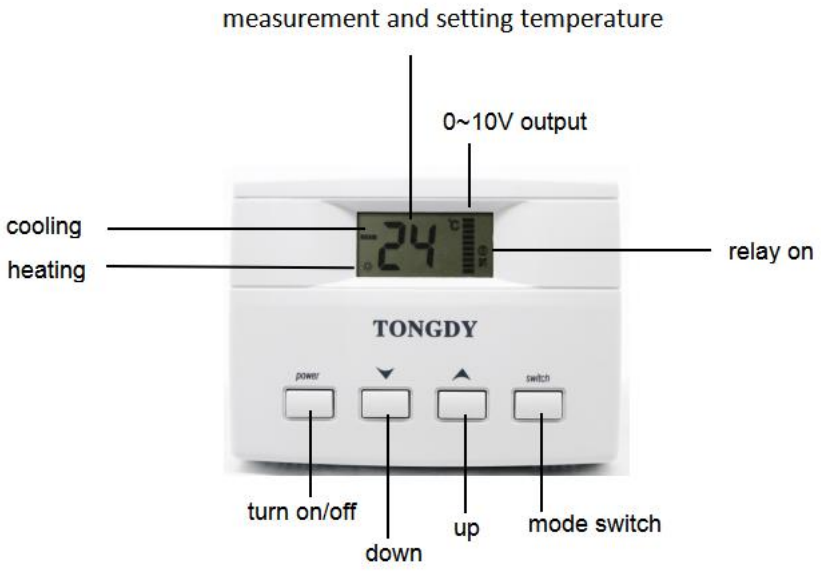
- Designed to control the room temperature for VAV terminals with 1X0~10 VDC output to cooling/heating or 2X0~10 VDC outputs to cooling and heating dampers.
- Optional one or two outputs to control one or two stages electric aux. heater.
- Optional RS485 in Modbus RTU or BACnet MS/TP
- Optional feedback signal input
- LCD displays working status like room temperature, set point, analog output, etc. Makes reading and operating easy and accurate.
- Featured user-friendly setting buttons
- Smart and all around advanced settings meet various application systems

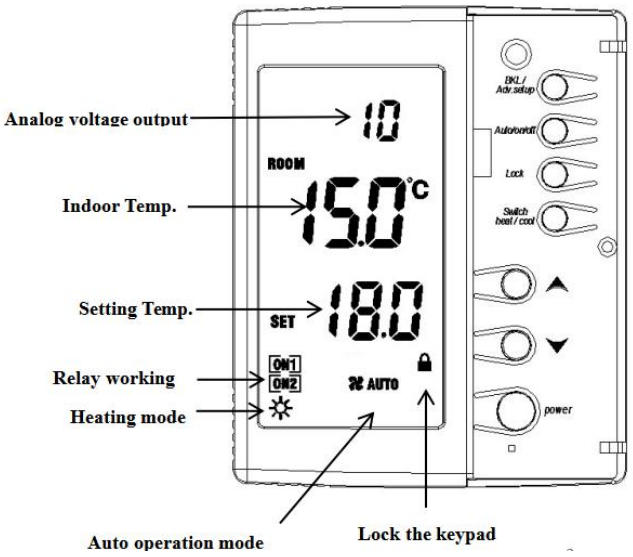
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- Low temperature protection
- Celsius or Fahrenheit degree selectable
- Cooling/heating mode auto changeover or manual switch selectable
- Two parts structure and quick wire terminal blocks make mounting easily.
- Two different appearances with two sizes display screen selectable

Buttons and LCD Display





Specifications

Power supply	24 VAC±20% 50/60Hz 18VDC~36VDC
Electrical rating	F2000LV: 2A load per terminal F06-VAV: 1A load per terminal
Temp. sensor	NTC 5K

Temperature control range	5-35℃ (41℉-95℉)
Accuracy	±0.5℃ (±1℉) @25℃
Analog output	One or two analog outputs Voltage DC 0V~DC 10 V Current 1 mA
Protection class	IP30
Operation condition	Temperature: 0 ~ 50℃ (32~122℉) Humidity: 5 ~ 99%RH Non condensing
Storage condition	temperature: 0℃~50℃ (32~122℉) humidity: ＜80%RH
Display	LCD
Net Weight	F2000LV: 250g F06-VAV: 280g
Dimensions	F2000LV: 120mm(L)×90mm(W)×24mm(H) F06-VAV: 110mm(L)×90mm(W)×25mm(H)
Material and colors:	PC/ABS Fireproofing house with white color
Mounting standard	Mounting on the wall, or 2“×4“/ 65mm×65mm pipe box

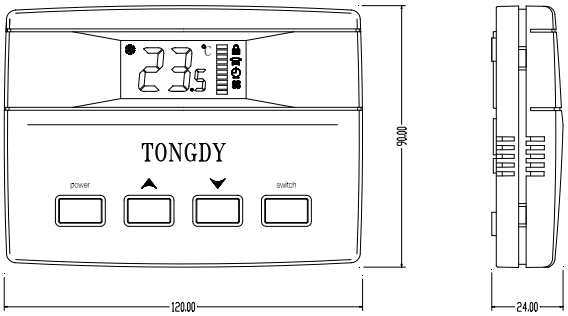
Models

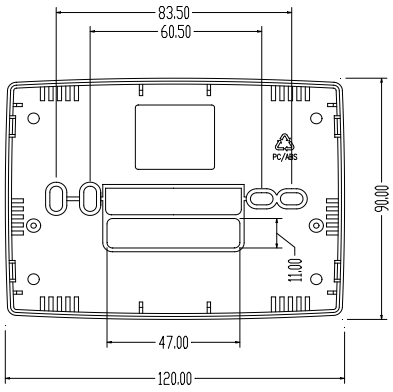
Type	Model	Characteristic
VAV Room Thermostat Power supply: 24VAC/VDC	F2000LV-A-N	1X 0~10V output for an actuator of VAV terminal with cool/heat manual switch
	F2000LV-A01	1X 0~10V output for an actuator, 1X on/off contact output to a heater. Cool/heat manual switch.
	F2000LV-A02	1X 0~10V output for an actuator, 2X on/off contact outputs for 2-stage heater. Cool/heat manual switch
	F06-VAV-A-N	1X 0~10V output for an actuator of VAV terminal with cool/heat manual switch
	F06-VAV-A02	1X 0~10V output for an actuator, 2X on/off contact outputs for 2-stage heater. Cool/heat manual switch
	F06-VAV-A01	1X 0~10V output for an actuator, 1X on/off contact output to a heater. Cool/heat manual switch.

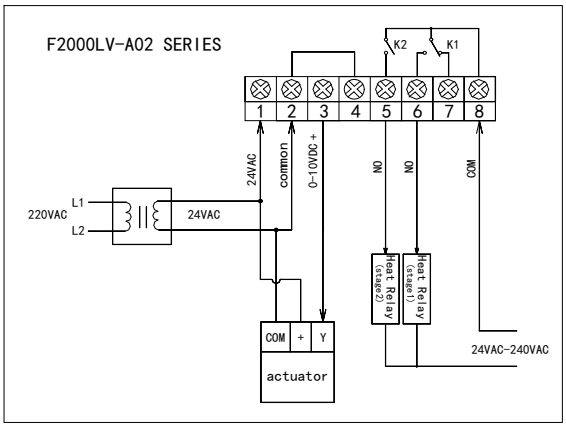
	F06-VAV-A02	1X 0~10V output for an actuator, 2X on/off contact outputs for 2-stage heater. Cool/heat manual switch
VAV Room Thermostat with RS485 Power supply: 24VAC/VDC	F2000LVC-A-N	1X 0~10V output for an actuator of VAV terminal with cool/heat manual switch. Modbus RTU protocol.
	F2000LVC-A01	1X 0~10V output for an actuator of VAV terminal. 1Xon/off dry contact output to a heater. Modbus RTU
	F2000LVC-A10	1X 0~10V output for a damper/fan. 1X0~10V input of feedback signal. RS485 in Modbus RTU
	F2000LVC-A02	1X 0~10V output for an actuator of VAV terminal. 2Xon/off dry contact outputs to a 2-stage heater. Modbus RTU
	F2000LVB-A-N	1X 0~10V output for an actuator of VAV terminal with cool/heat manual switch. BACnet MS/TP
	F2000LVB-A01	1X 0~10V output for an actuator of VAV terminal. 1Xon/off dry contact output to a heater. BACnet MS/TP
	F2000LVB-A02	1X 0~10V output for an actuator of VAV terminal. 2Xon/off dry contact outputs to a 2-stage heater. BACnet MS/TP

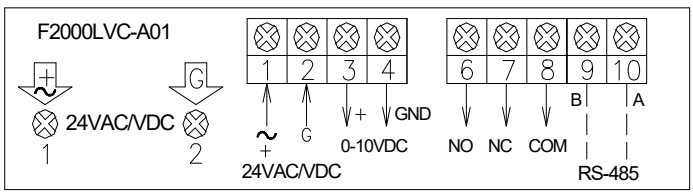
Mounting and Wiring Diagrams

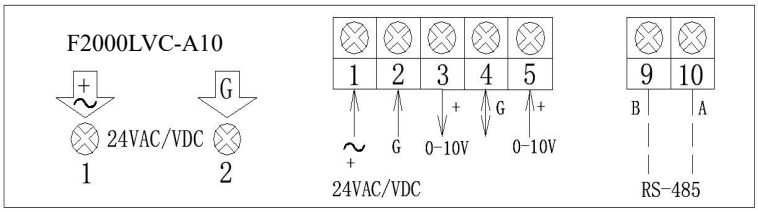
F2000LV-A Thermostat

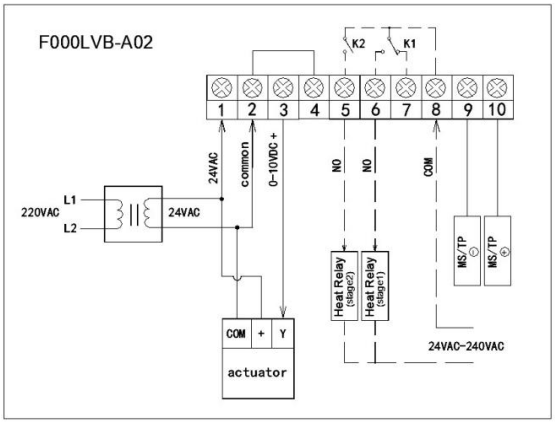


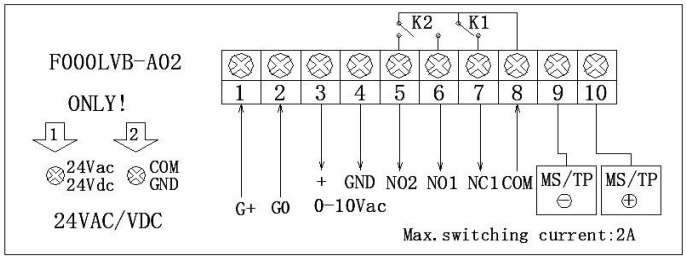












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