

# Tongdy

## Temperature & Humidity Transmitter and Controller

Temperature & RH Transmitters

Temperature & RH Controllers

VAV / Floor heating Thermostats

Tongdy Sensing Technology Corporation

[www.iaqtongdy.com](http://www.iaqtongdy.com)

# Temp. & RH Transmitter/Controller

Tongdy Temp. & RH transmitters/controllers are designed for real-time measuring air temperature and relative humidity.

Tongdy Temp. & RH transmitters/controllers include wall mount , air duct mount and external probe type.

The analog outputs and the relay outputs for ventilation control.

Optional RS485 interface with Modbus RTU communication.

These products are applicable for traditional HVAC systems, BAS, IoT, smart home, stores and greenhouse etc.



## TEMP. & RH TRANSMITTERS

- High accuracy with cost-effective
- 2x 0~10V/4~20mA outputs for Temperature and RH
- RS485 interface optional with Modbus RTU communication
- LCD display optional
- Wall mount, Duct mount and External probe type
- Ethernet RJ45 or WiFi communication optional to upload data via cloud



TSP-18



TSM-TH



THP



TH9

## TEMP. & RH CONTROLLERS

- Air temperature and RH controller with high accuracy
- Split sensor probe available with up to 10 meter cable
- 2x 5A ON/OFF relay outputs
- LCD display optional
- RS485 interface optional with Modbus RTU
- Plug and Play optional (16A max load)










F2000P-TH



TKG-TH



THP-Hygro

Temp. & RH Product name	Picture	Power supply	Output	Application	Features
TSM-TH series Temp. & RH transmitter		24VAC/VDC	-Modbus RS485 -2x analog outputs (0-10VDC or 4-20mA)	HVAC BAS Indoor room Building	-Simple and low cost -Long lifetime
THP series Temp. & RH transmitter with down probe		24VAC/VDC	-Modbus RS485 -2x analog outputs (0-10VDC or 4-20mA)	HVAC BAS Greenhouse	-High Accuracy -IP54 optional -Split sensor probe optional
TH9 series Duct type temp. & RH transmitter		24VAC/VDC	-Modbus RS485 -2x analog outputs (0-10VDC or 4-20mA)	HVAC BAS Ventilation	-High Accuracy -IP54 optional
F2000P-TH series Temp. & RH controller		24VAC/VDC Or 110VAC Or 230VAC	-2x 5A ON/OFF relay outputs -Modbus RS485	HVAC BAS Stores Indoor room	-User friendly -Blue backlight LCD optional -Split sensor optional
TKG-TH series Temp. & RH controller with down probe		24VAC/VDC Or 230VAC	-2x 5A ON/OFF relay outputs -Modbus RS485	HVAC BAS Stores Greenhouse	-Industrial structure -In-duct mounted optional -Split sensor optional
THP-Hygro series Humidity controller with plug and play		230VAC	-16A relay output	HVAC Mood-proof auto control Greenhouse	-Big current output -White backlight optional -Plug and play type -Mood-proof auto control -Humidifying or dehumidifying
TSP-18 series Temp. & RH monitor/detector		24VAC/VDC	-WiFi or Ethernet RJ45 communication -Extra Modbus RS485 interface	-HVAC systems -BMS -Green buildings	-Wireless communication -OLED screen optional -PM2.5/PM10/CO2/TVOC detection optional

## Digital thermostats

Tongdy digital thermostats are designed for real-time control room temperature, to make sure comfortable living environment and to save energy.

They can be used for temperature and/or CO2 control of VAV terminals, room temperature control of FCU, AC and Floor heating systems.

Optional RS485 interface with Modbus RTU or BACnet MS/TP protocol.

They are applied for commercial and residential rooms , like hotel, living room, meeting room, office, classroom, hospital, fitness, restaurant and







## Thermostat for VAV/Floor heating

- VAV thermostat with one or two 0~10V PID output, and 1-stage or 2-stage electric aux. heater control
- Effective room temperature control for VAV systems
- Heating thermostat in 7-days program with four time periods temperature settings
- User friendly with big LCD display optional and operation buttons
- Optional RS485 interface with Modbus RTU or BACnet MS/TP protocol.



Thermostat	Picture	Power supply	Output	Application	Features
F2000LV series VAV thermostat		24VAC/VDC ±20%	-One or two 0-10VDC PID outputs -One or two ON/OFF relay outputs optional -Modbus RS485 optional	-VAV system	-VAV terminal control by PID output -Up to two-stage electric aux. heater control -Low temperature protection -Professional VAV thermostat in 15 years application
F06NE series Thermostat for floor heating		230 VAC/ 110VAC ±10%	-Rated switching current.16A -Modbus RS485	-Electric Diffusers & Floor Heating Systems	-Large LCD screen -7-days program with four time periods temperature settings -Holiday mode -Internal and external sensor -Two-part design -Turn-cover design -Low temperature protection -Infrared remote control



# Contact



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