

印刷说明

材质：250g 铜版纸

对折尺寸：80x100mm

装订方式：风琴页

注意：此页不做印刷



User Manual



TH-01

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1. Safety Instruction

- Before starting installation, please disconnect the power supply. Electrical hazards could cause electric shock or damage to the equipment.
- To prevent equipment damage, please avoid frequent mode switching or frequent toggling of the HVAC system
- Compatibility:
 - HVAC Compatibility: conventional heating systems(-gas/oil/electric), heat pump systems, dual fuel systems (heat pump+ furnace)
 - Support heating/cooling system stages:

HVAC	Equipment Type	C-wire	Wires may be	TH-01 Compatibility	Wiring(TH-01)
Conventional (Gas/Oil/ Electric)	Single Stage Heating &Cooling	yes	R, C, W1, Y1, G	yes	R, C, W/A, Y, G
	Single Stage Heating &Cooling	no	R, W1, Y1, G (requires Wire Kit)	yes	R, W/A, Y, G (requires Wire Kit)
	Multistage Heating & Cooling	yes	R, C, W1, W2*, Y1, Y2*, G	yes Max 2H2C	R, C, W/A, Y, Y2*, G, O/B, W2*
	Boiler Radiant Heating Only	yes	R, C, W1	yes	R, C, W/A
	Furnace Forced-Air Heating Only	yes	R, C, W1, G	yes	R, C, W/A, G
	Cooling Only	yes	R, C, Y1, G	yes	R, C, Y, G
	Cooling Only	no	R, G, Y (requires Wire Kit)	no	R, G, Y (requires Wire Kit)

HVAC	Equipment Type	C-wire	Wires may be	TH-01 Compatibility	Wiring(TH-01)
Conventional (Gas/Oil/ Electric)	Heating Only For example Gas Fireplace (24 Volts)	yes	R, C, W1	yes	R, C, W/A
	Gas Fireplace (24 Volts)	yes	R, C, W1	yes	R, C, W/A
Heat pump	Heat Pump with Auxiliary Heat	yes	R, C, Y1, Y2*, W1, W2*, G, O/B	yes Max 3H2C	R, C, W/A, Y, Y2*, G, O/B, W2*
	Heat Pump w/o Auxiliary Heat	yes	R, C, Y1, Y2*, G, O/B	yes	R, C, Y, Y2*, G, O/B, W2*
Dual Fuel	Dual Fuel/ Hybrid Heating	yes	R, C, Y1, Y2*, W1, W2*, G, O/B	yes Max 2H2C	R, C, W/A, Y, Y2*, G, O/B, W2*
	Dual Fuel/ Hybrid Heating	no	R, Y1, Y2*, W1, W2*, G, O/B (requires Wire Kit)	heat pump and 1 Hybrid heating	R, W/A, Y, Y2*, G, O/B, W2 (requires Wire Kit)

- The product requires a C wire for thermostat power. If a C wire is unavailable, you can contact customer service to purchase Wire Kit.

- Incompatible Wiring and Voltage:
 - Not compatible with millivolt systems.
 - Not suitable for 110VAC~240VAC high voltage electric heating systems.
 - Does not support the S-terminal for indoor and outdoor sensors.



2. Specification

Product Name	TempMaster Smart Thermostat	Model NO.	TH-01
Power	24V AC	Product Size	3.94*3.86*0.71 in
Screen Size	3.95in	Connection Protocol	WiFi&BT
Applicable Type	conventional heating systems(gas/oil/electric), heat pump systems, dual fuel systems (heat pump+ furnace)		

3. Package Contents

Content	Quantity
TempMaster Smart Thermostat	1
Mounting Bracket(with Level)	1
Screw Set	2
Flat Head Screwdriver	1
Wiring Label	1
Jumper Wire	1
User Manual	1
Installation Manual	1

4. Instruction

1. Display:

- A-Time
- B-Heat Mode
- C-Cool Mode
- D-Auto Mode
- E-Auxiliary Heating
- F-HVAC system OFF
- G-Child Lock
- L-Schedule
- V- Provirtec Thermo-Hygrometer Working
- M-Holding
- N-Cooling
- O-Heating
- P-Humidity
- Q-BT Status
- R-WIFI Status
- S- Heating Temperature Setting
- T-Cooling Temperature Setting



2. Function:

Button	Single Touch	Long Press For 3S
H-Mode/Child Lock	Mode Selection	Child Lock
I-Fan/WiFi	Fan Mode	WiFi Pairing
J-Schedule/Hold	Scene Modes	Temperature Holding
K-Schedule/Switch	Schedule	HVAC system OFF/Thermostat OFF/ON
U-Slider	Tap or slide to adjust the temperature	

Mode/Child Lock:

Single touch: switch between Heat, Cool, Auto, Auxiliary Heating, and HVAC system OFF mode. It takes effect after 3 seconds.
 Long press for 3 seconds: enable/disable Child Lock.

Fan/WiFi:

Single touch: switch between auto and always-on mode. In auto mode, fan turns on with HVAC system activation and off when HVAC system is off. In always-on mode, fan remains on even when HVAC system mode is off, maintaining indoor air circulation.

Long press for 3 seconds: thermostat enters pairing mode, indicated by blinking WiFi icon.

Scene/Hold:

Single touch: switch between preset scenes (Home, Away, Sleep). Scene modes and temperature adjustments should be changed in the app.
 Long press for 3 seconds: enable/disable the Hold mode. Note: Current mode and temperature settings will not be affected by slider adjustments or schedule changes until the Holding time expires. Holding time defaults to 1 hour. Please adjust settings in the app.

Schedule/Switch:

Single touch: enable/disable schedule. When enabled, thermostat adjusts automatically according to the set schedule.
 Note: Schedule is initially empty upon first use and needs to be configured in the app.
 Long press for 3 seconds: enter OFF mode for the HVAC system; Simultaneously, the thermostat switches off. Long press for another 3 seconds to restart the thermostat (remains in OFF mode)

A - Time Display:

When connected to the app, the thermostat time automatically synchronizes with the app's system time.

S - Heating Temperature Setting:

Slide the slider to set the target temperature for heat mode.

T - Cooling Temperature Setting:

Slide the slider to set the target temperature for cool mode.

P - Humidity:

Displays the current humidity. If paired with a Provirtec smart thermo-hygrometer, it shows the Provirtec sensor's reading.

Q - BT Status:

The icon lights up when BT is connected; it turns off when BT is disconnected.

R - WiFi Status:

The WiFi icon blinks when in pairing mode; it stays solid when connected. If WiFi is not enabled, the icon remains off.

M - Holding status:

Hold mode is active when the icon is lit.

N/O - Current HVAC Mode (Cooling/Heating):

Due to HVAC mode switching for system protection, the HVAC system completes the current cycle before switching modes. This may result in a temporary inconsistency between set and operating modes, typically lasting up to 3 minutes. Please wait for 3 minutes for synchronization.

Tips:

a. Time display, Scene mode, Hold duration, schedule, and binding of thermohygrometer require initial setup and connection to the thermostat via the app.

b. When connected to the app, you can choose between WiFi or BT connection modes. WiFi is suitable for remote control, while BT is suitable for local control within the home (up to 80m/262ft).

c. Auto mode requires sequential setting of heating and cooling temperatures. Slide the slider set the heating temperature; After 3 seconds, slide it again to set the cooling temperature, repeating this cycle as needed.

d. The Provirtec smart thermo-hygrometer connects to the thermostat via BT with a range of up to 80m/262ft. Its data collection is not affected by the thermostat's WiFi network.

5. How to Use

1) Mode Settings

☀ When the current temperature is higher than the set value, activate the cool mode.

☀ When the current temperature drops below the set point, turn on the heat mode.

☀ Turn on the heating or cooling system as needed to keep your home within the configured setting range.

⚠ The HVAC system system supports auxiliary heating to maintain the set temperature.

🔌 Turn off the HVAC system system to stop cooling or heating.

2) Examples of Use

Heat Mode: 68°F

a. Tap , choose , after 3 seconds, it will automatically enter to the heat mode.

b. Slider the slider to set the heating temperature to 68°F, it takes effect 3 seconds later.

Auto Mode: 68°F-86°F

a. Tap , choose , after 3 seconds, it will automatically enter to the Auto mode.

b. In auto mode, you need to set the heating temperature and cooling temperature in turn. Slide the slider to set the heating temperature, and confirm the heating temperature after 3 seconds. You can slide the slider again to set the cooling temperature, after 3 seconds, complete the setting.

3) Deadband Temperature

a. To prevent frequent switching of the HVAC system and ensure precise temperature control, you can set the deadband temperature via the app. The available temperatures are $\pm 0.3^{\circ}\text{C}/0.5^{\circ}\text{F}$, $\pm 0.5^{\circ}\text{C}/1^{\circ}\text{F}$, $\pm 0.8^{\circ}\text{C}/1.5^{\circ}\text{F}$, and $\pm 1^{\circ}\text{C}/2^{\circ}\text{F}$.

b. The default setting is $0.5^{\circ}\text{C}/1^{\circ}\text{F}$. For example, if the cooling temperature is set to 68°F, the HVAC system will stop cooling when the current temperature is $< 67^{\circ}\text{F}$ and will start cooling when the temperature $> 69^{\circ}\text{F}$.

c. Note: To avoid frequent switching of the HVAC system, which can impact its lifespan, it is recommended to set the deadband temperature to above 1°F.

6. Q&A

1. HVAC system control failure or abnormal hot and cold control.

Please ensure correct wiring connections. Incorrect or abnormal wiring may cause control issues.

2. How to set Schedules, Scenes, and Hold time?

Please download the "Prodigytec" app, follow the instructions to connect the thermostat, and set these features through the app.

3. Unable to adjust mode or temperature via touch.

Please check if Child Lock or Hold mode is enabled. Operations are disabled under Child Lock, and adjusting the set temperature is ineffective under Hold mode.

4. Unable to connect to WiFi.

Ensure you are using a 2.4 GHz network. When connecting, position the thermostat as close as possible to the router.

5. WiFi disconnection: can TempMaster smart thermostat still operate?

Yes, you can adjust the temperature directly on the thermostat, ensuring normal operation. You can also adjust it locally via BT on your phone within an up to 80m/262ft range.

For remote access, wait for the network to reconnect; the thermostat will automatically reconnect to WiFi.

6. WiFi disconnection: can an independent thermo-hygrometer still transmit data to the thermostat?

Yes, an independent thermohygrometer uses BT locally to send collected temperature and humidity data to the thermostat, independent of the thermostat's Wi-Fi connection. This thermohygrometer accurately captures your perceived temperature to ensure precise adjustment, preventing inaccuracies in indoor temperature control due to distance from the thermostat.

7. How to Pair and Unpair the Thermo-Hygrometer When Using the Thermostat:

a. Follow the steps to add the Provirtec smart thermo-hygrometer to the Prodigytec app.

b. Similarly, follow the steps to add the TempMaster smart thermostat to the Prodigytec app.

c. Open the homepage of the TempMaster smart thermostat or settings page, and follow the steps to pair the thermo-hygrometer.

d. To unpair, in the Prodigytec APP under the TempMaster smart thermo-hygrometer settings page, delete the smart thermo-hygrometer. The thermostat will then revert to monitoring using its built-in thermohygrometer.

7. Notice

FCC Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Warning: Changes or modification not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, any cause harmful interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- (1) Reorient or relocate the receiving antenna.
- (2) Increase the separation between the equipment and receiver.
- (3) Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- (4) Consult the dealer or an experienced radio/TV technician for help.

To maintain compliance with FCC's RF Exposure guidelines, this equipment should be installed and operated with minimum 20cm distance between the radiator and your body: Use only the supplied antenna.

8. Warranty

12-month warranty for the product.

60-day money-back guarantee for quality issues.

Note: Damages caused by the disregard of this user manual are not subject to warranty.

9. Contact US

At PROVIRTEC, we value your experience. If you have any questions about our products, click 'ask a question' in our store and email us. Our dedicated team will respond promptly to provide the support your need. Thank you for choosing PROVIRTEC, and we look forward to serving you.