



WT

Wall Thermostat

INSTALLATION AND OPERATING INSTRUCTIONS

This wall thermostat provides an user-friendly, safe, and reliable device to control the operation of gas appliances. Always check the appliance home owner's manual for additional information, or warnings regarding accessory installation before connecting to this thermostat.

Carefully inspect the contents for shipping damage. If any parts are missing or damaged, immediately contact the dealer from whom you purchased the kit. Do not attempt to install any part of the kit unless all parts are in good condition. Please keep this booklet for future reference.

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Battery Alkaline AAA	2
Wall Anchor Screws	2
Wall Anchor	2
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25 Feet Wire	1
3/16" Female Spade Terminal	2
Fork Terminal	2

FEATURES/SPECIFICATIONS

- Contemporary Ergonomic Wall Mount with LCD Display and back light
- Low battery Indication
- Reset Button

WARNING

Important Safety Information

- Read this manual thoroughly prior to installing, programming or operating the wall thermostat.
- Do not use this wall thermostat with voltages above 24 Volts DC and 1 amp current. This wall thermostat is a DC dry contact system that will turn gas appliances on or off.
- Wiring must conform to appliance requirement and building codes/ordinances as required by local and national code authorities having jurisdiction.
- This wall thermostat should only be used as described in this manual. Any other use is not recommended and will void the warranty.

NOTE

Due to the sensitive temperature monitoring components in the wall thermostat, it is necessary to allow the wall thermostat to stabilize to room temperature before accurate room temperatures are displayed. If the wall thermostat is activated from a severe cold condition, allow 15 minutes for accurate temperature readings to appear on the LCD.

WARNING

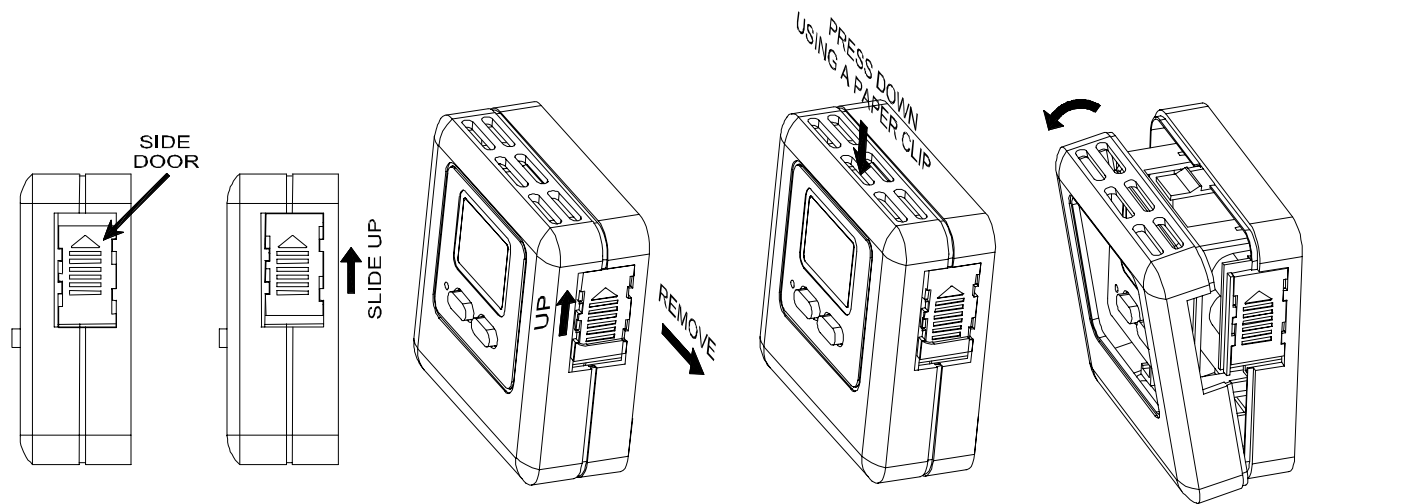
Turn appliance OFF and allow to cool before installing or servicing. DO NOT connect 110-120 VAC wiring directly to the wall thermostat. Read all instructions completely before attempting installation. Follow instructions carefully during installation. Any modification of components will void the warranty and may cause a fire hazard.

Wall Thermostat:

Installing Wall Thermostat:

Choose a mounting location about 5 feet above the floor in an area with good air circulation (preferably on an inside wall) and away from the following:

- Air Ducts
- Radiant heat from the sun and appliances
- Concealed pipes and chimneys



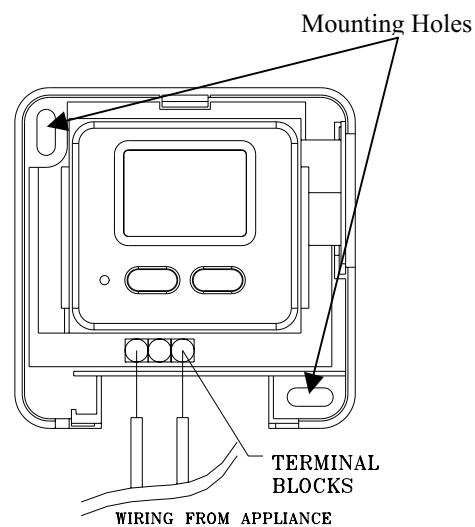
Installing Wall Thermostat:

1. To remove the front housing, slide the side door up.
2. Press the tab down to disengage it from the front housing.
3. Align the back housing to the desired location. Mark two (2) holes using the housing or template
4. Drill two (2) holes and insert the plastic anchors carefully until they are flush with the wall.
5. Fasten securely the back housing to the wall with the two (2) screws.

Installing Wire to Wall Thermostat:

Use 18 gauge wire, 105°C rated, with as few splices as possible. Wire can be no longer than 25 feet. Follow the homeowner's manual for connecting the wire at the appliance, for example, if you have a gas millivolt valve system, the wires are connected at the TP/TH and TP junctions at the valve.

1. Loosen up the terminal block screws.
2. Connect the wires from the appliance to the terminal blocks as shown.
3. Tighten the screws.



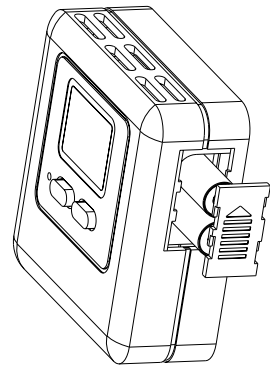
WARNING

Make sure that the wires do not contact the appliances any place other than at the terminals. Exposure to temperatures higher than 105C (250°F) may cause the wall thermostat to malfunction or fire hazard.

Installing Batteries:

The wall thermostat uses two (2) “AAA”- size batteries. To install batteries:

1. Slide the side door up and remove.
2. Insert the two (2) batteries into the cavity as indicated on the side of the transmitter. Make sure the polarity of the battery is correct.
3. Close the side door until it snaps into the housing.
4. The batteries should be replaced at least once every 6 months or when low battery icon come out on the LCD display.



OPERATIONS:

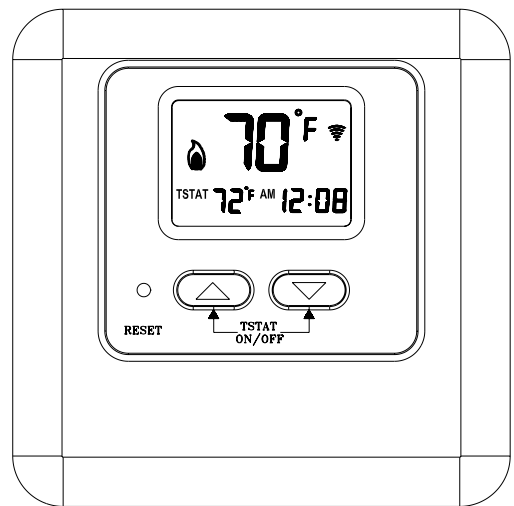
Wall Thermostat:

Initial start up:



1. After initial power up or RESET button is pressed, the wall thermostat is reset. The reset button is located in front of the unit.
2. During system reset, all segments of the LCD will be turned on. After one second, the LCD will be initialized and operational. Typical reset displays are shown. Note that the temperature scale is degree F.

Reset Button:







1. The reset button can be used to reset the systems such as the clock setting. The reset button is located in front of the unit.
2. Using a paper clip, press the button and the system will reset and go into clock setting mode.

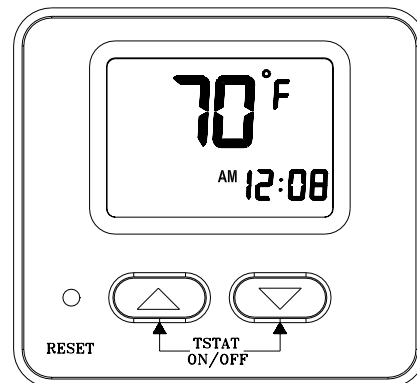
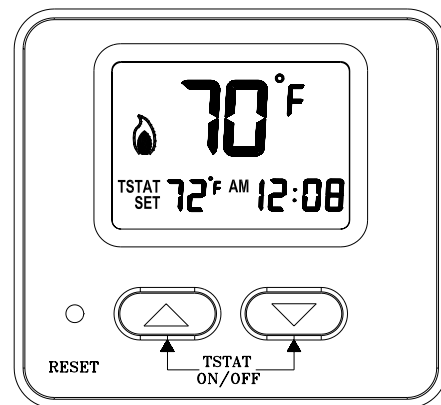


Setting Clock:

1. In clock setting mode, only clock and degree is displayed. Press  to advance item (hour, minute or degree). Selected item is flashing. Press  to select.

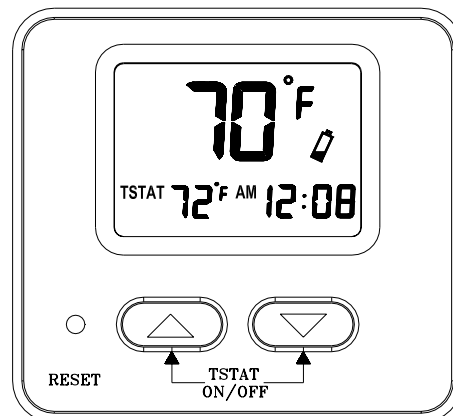
Thermostat Mode:

1. To select thermostat mode, press and hold both  and  buttons for 2 seconds. The “TSTAT” icon will appear on the lower left corner of the LCD screen
2. Press  to set the desired temperature up or press  to set the desired temperature down
3. Once the setting is completed, the wall thermostat will automatically turn on the fireplace when the room temperature is below the set temperature and turn off the appliance when the room temperature is above the set temperature within 1 degree.
4. The set temperature can be changed at any time during the thermostat mode.
5. To exit thermostat mode, press and hold both  and  buttons for 2 seconds. The “TSTAT” icon will disappear.
6. Room temperature is monitored every 1 minute.
7. Flame icon will display when the wall thermostat is detecting the room temperature is below the set temperature.



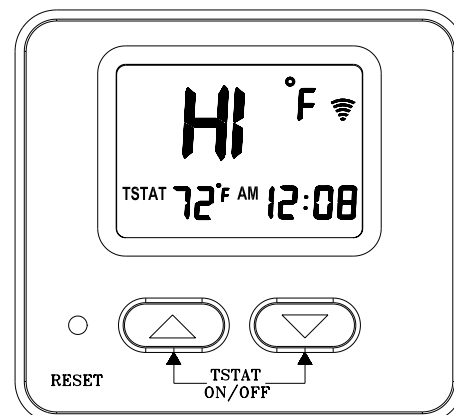
Low-battery detection:

1. Battery voltage is checked once a minute. When the battery voltage drops to a certain level, the low-battery warning will come on, and the wall thermostat will **turn off the appliance**. The wall thermostat's keypad will not function until fresh batteries are installed.
2. When the batteries are low, the LCD shows a low battery indicator. The low battery warning will be displayed in any mode.
3. Change the battery before the battery is too weak for normal operation. **TURN THE UNIT OFF BEFORE REPLACING BATTERIES.**




Wall Thermostat High Temperature Shutdown:

1. If wall thermostat measures a room temperature exceeding 99 degrees Fahrenheit, the LCD will display “HI” and the wall thermostat will turn off the appliance.
2. Wall thermostat will not function until the room temperature has dropped below 99 degree Fahrenheit.



TROUBLESHOOTING

Symptom	Causes	Action
1. LCD display is blank 2. LCD display shows “funny” display	1. Low Battery	1. Replace batteries. Change batteries every 6 months. 2. Check battery installation and replace batteries. 3. Press Reset button.
4. Appliance does not come on after pressing  on transmitter	1. Wiring / Electrical Connections	1. If appliance does not come on, check wiring connections.

WARNING: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user’s authority to operate the equipment.

WARRANTY

This warranty gives you specific legal rights and you may also have other rights that vary from state to state or province to province. Answers to any questions regarding our limited warranty may be obtained by writing our corporate offices.

Ambient Technologies warrants each new Ambient Technologies wall thermostat against any defects that are due to faulty material or workmanship to the original owner, for a period of five years after the original date of purchase.

This warranty and our liability does not apply to batteries, nor does it include damage to merchandise or the wall thermostat resulting from accident, alteration, neglect, misuse, improper installation or any other failure to follow Ambient Technologies installation and operating instructions.

Ambient Technologies agrees to repair or replace at its option any Ambient Technologies wall thermostat under warranty provided it is returned postage prepaid to our warranty facility in a padded carton within the warranty period, with proof of the original date of purchase and a brief description of the malfunction. This limited warranty does not include the cost of removal or re-installation.

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**FOR TECHNICAL SUPPORT
CALL 800-398-6195**