

11. CAUTION

- When the temperature is too high, HI will be displayed in the temperature area to express the room temperature over the display range. When the temperature is too low, LO will be displayed in the temperature area to express the room temperature below the display range.
- Within 1 hour after power off, time and week will keep running.
- There is preservative on the LCD when out of the factory, users can remove it or not.
- If you need to remove the preservative, just pull it from the corner and no need to open the thermostat.
- Don't force to install. When it is hard to connect the pin, move the display panel slightly. After the pin aimed at the port, press the thermostat hard.
- It is precision electronic products. Don't knock or fall it.
- Don't let the water, mud into the thermostat.

12. Notes for touch screen

- Please don't touch the screen when the oil or the water stain on your hands.
- If the screen is stained by water or dusty, it will reduce the sensitivity, even result the touch screen failure.
- Please use the soft cloth to clean the touch screen.
- Please don't operate the touch screen with hard objects, to prevent scratching the surface.

13. SPECIFICATIONS

the display range of temperature	44°F to 90°F (7°C to 32°C)
the control range of temperature	44°F to 90°F (7°C to 32°C)
Load rating	1 amp per terminal, 1.5 amp maximum all terminals combined
Display accuracy	± 0.5°C
Power source	16 to 30 VAC, NEC Class II, 50/60 Hz for hardwire (common wire)
Operating ambient	-41°F to +95°F (5°C to +35°C)
Operating humidity	90% non-condensing maximum
Dimensions of thermostat	118mm*96mm*27mm

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INSTALLATION MANUAL

QD-HVAC15 WIFI Touch-Screen Programmable Thermostat

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1. Preface

Dear client:
Thanks for choosing QD-HVAC15 WIFI thermostat series. It's our best wish to bring you convenience for your daily life. Before using, please read the User's Manual carefully. It will help you to use it correctly.

2. Production Function Overview

2.1 Application

Description	Yes
1 stage Heat and 1 stage Cool	Yes
Cool air fan heat	Yes
Electric Furnace	Yes
Heat Pump, Air Aux. or Emergency Heat	Yes
Heat Wire Systems	Yes
Heat (Oil) Systems - Floor or Wall Furnaces	Yes
Cool (Oil) Systems	Yes
Miscellaneous	Yes



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3. Diagram and Description



Item	Description
1	Mode key: First press for cool mode, and second is for heat mode: Press again will turn off the thermostat.
2	Fan mode: in the cooling/heating mode, switch the fan between on and auto.
3	Up key: in the cooling/heating mode, it is for raising the setting temperature. When setting the program and changing the system parameter, it is for adjusting the parameter.
4	Down key: in the cooling/heating mode, it is for lowering the setting temperature. When setting the program and changing the system parameter, it is for adjusting the parameter.

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4. Wall locations

The thermostat should be installed approximate 4 to 5 feet above the floor. Select an area with average temperature and good air circulation.



- Do not install thermostat at following places:
- Close to hot or cold air ducts
 - With direct sunlight
 - With an outside wall behind the thermostat
 - The areas that do not require conditioning
 - Where there are dead spots or drafts (in corners or behind doors)
 - Where there might be concealed chimneys or pipes

Installation Tip

Pick an installation location that is easy for the user to access. The temperature of the location should be representative of the building.

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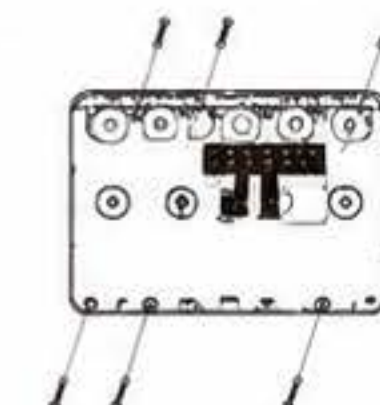
5. SUBBASE INSTALLATION

Caution:
Electrical Hazard
Failure to disconnect the power before beginning to install this product can cause electrical shock or equipment damage.



Insert the awl into the slot and pry up the front part of the panel to open it.

Caution:
Equipment damage hazard
Do not operate the cooling system if the outdoor temperature is below 50°F (10°C) to prevent possible compressor damage.



For horizontal mount put one screw left and one screw right.

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6. WIRING

Terminal Designations

RC: Power for cooling 24VAC

RH: Power for heating 24VAC

C: 24VAC common wire

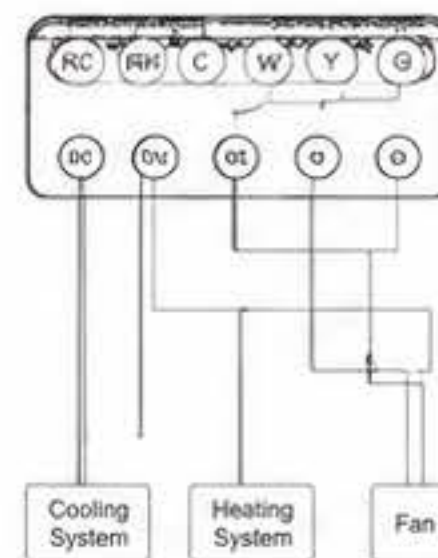
W: Connect to heat relay

Y: Connect to cool relay

G: Connect to fan relay

Note:

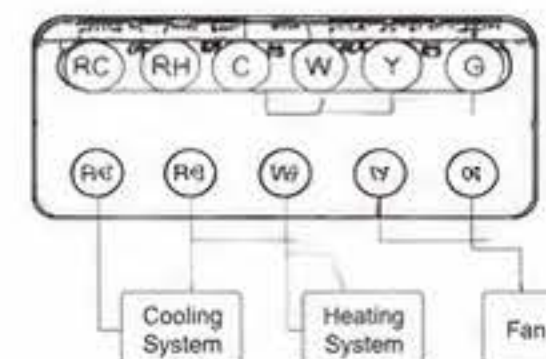
C wire is not required on battery powered thermostats, but is recommended if available.



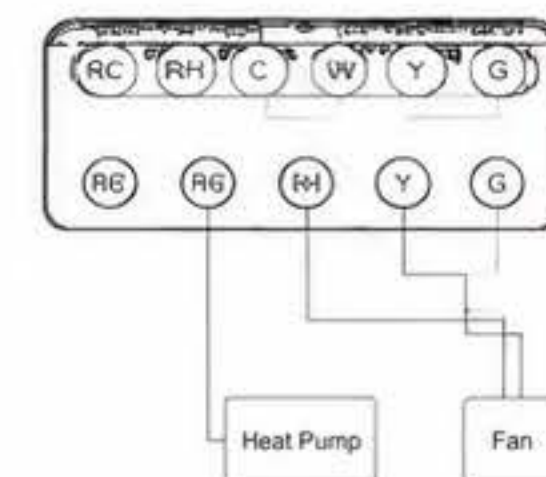
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7. Wiring Diagrams

7.1 Conventional system



7.2 Heat pump system without Aux or Emergency Heat



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