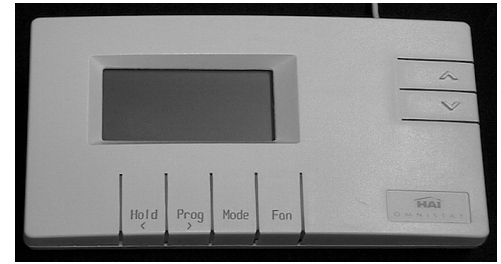


Dialog™ RF Electronic Thermostat

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Installation Instructions

Product Summary

The Dialog RF Electronic Thermostat provides a money-saving and convenient way to monitor and control temperatures. The Thermostat uses low and high temperature limits to save energy by overriding the existing HVAC thermostat. When the Thermostat is on, temperature limits determine when the heat or air conditioning turns on. When the Thermostat is off, the HVAC thermostat controls heat and air conditioning.

For example, if the HVAC thermostat is set for 68° F and the RF Thermostat has a high limit of 80° F, the RF Thermostat prevents the air conditioner from turning on until the temperature reaches 80° F.

A temperature sensor within the RF Thermostat monitors the temperature and reports a freeze alarm to the panel if the temperature drops below the set freeze temperature (default = 42° F).

Note

Depending on where the RF Thermostat is located, additional freeze sensors may need to be placed throughout the residence to provide adequate freeze protection.

The Dialog RF Electronic Thermostat is compatible with Simon 3 panels.

Installation Guidelines

- ☐ Use 22-gauge or larger stranded wire from the RF Thermostat to the HVAC thermostat.
- ☐ Install the RF Thermostat on an inside wall next to, or as close as possible, to the existing HVAC thermostat. This keeps the temperature difference between the two thermostats to a minimum.
- ☐ Programmable thermostats that use a battery to keep time and other programmed settings may lose time and/or programmed settings when the RF Thermostat is turned on. This happens when the RF Thermostat relay is interrupted by the HVAC thermostat's main power, forcing it to rely on battery power to save time and programmed settings. As a result, the HVAC thermostat battery may need to be replaced more often, depending on how often and how long the RF Thermostat is turned on.
- ☐ Test the RF Thermostat from a desired location before mounting it to the wall. This will verify that RF communication can be established with the panel.
- ☐ Whenever possible, keep all sensors within 100 feet of the panel.

- ☐ Avoid installing your RF Thermostat on plaster walls with wire mesh (metal lath) embedded in them. This can interfere with the wireless range/communication between the RF Thermostat and the panel.

Tools and Supplies

- ☐ Screwdrivers (Phillips and Flathead)
- ☐ Screws and anchors (included)
- ☐ Digital voltmeter
- ☐ Drill with bits
- ☐ Wire cutters/snippers
- ☐ 22-gauge or larger stranded wire
- ☐ Pen or pencil

Installation

Installation consists of mounting the RF Electronic Thermostat to the wall (as close as possible to the existing thermostat) and wiring it to the existing HVAC thermostat.

Mounting the RF Thermostat to the wall:

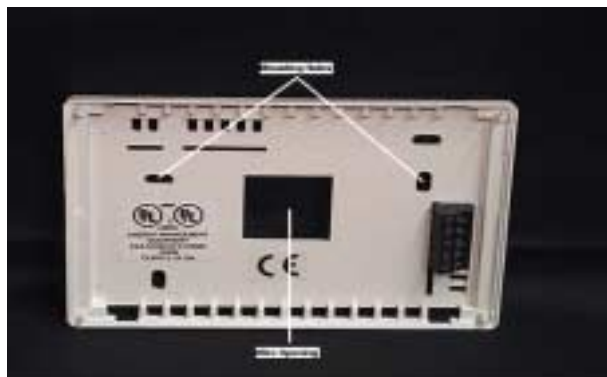
1. Press down on the top two latches of the RF Thermostat and pull the front away from the base (see figure x). Set the front part aside.



CAUTION

You must be free of all static electricity when handling electronic components. Touch a grounded bare metal surface or wear a grounding strap before touching the circuit board.

2. Place the RF Thermostat on the wall (with the word "TOP" upright and facing you) at the desired mounting location and mark the two upper mounting holes and the base opening (see figure x).



3. Drill a hole using a 3/16" bit at each mounting hole location. Make a hole at the base opening location to run the wires from the HVAC thermostat to the RF Thermostat.
4. Install the two wall anchors supplied.
5. Mount the base to the wall using the two #6 x 1/2" self-tapping screws supplied.
6. Create a hole in the wall in the Wire Opening to run the wiring from the existing HVAC thermostat to the RF Thermostat.

Wiring the RF Thermostat to the HVAC thermostat:

Some thermostats control heating and cooling, others control only heating. A heating/cooling thermostat uses four wires and a heating-only thermostat usually has two.

Four-Wire Thermostat Color Code

Wire	Function
Red	Power feed to thermostat
Green	Fan control
Yellow	Cooling
White	Heating

Note

If the thermostat wire colors are different than those described above, contact a qualified HVAC service person for wiring information about your specific thermostat. Be sure to give the service person the manufacturer name and model number of the thermostat.

To connect a four-wire thermostat:

1. Remove the red wire (power feed) from the thermostat and connect it to the RF Thermostat terminal 1.
2. Connect a 22-gauge or larger wire from the RF Thermostat terminal 2, to the thermostat terminal where the red wire (power feed) was previously connected.

To connect a two-wire thermostat:

1. Remove one of the wires from the thermostat and connect it to the RF Thermostat terminal 1.
2. Connect a wire from the RF Thermostat terminal 2, to the thermostat terminal where the original wire had been connected.

Programming

For information on operating, programming, testing, and deleting an RF Thermostat from panel memory, please refer to your Simon 3 Installation Instructions or User's Manual.

Note

The RF Thermostat must be installed and powered up for a minimum of 15 minutes before adjusting its temperature to ensure consistent readings between it and the house thermostat. For best results, wait an hour before adjusting the RF Thermostat temperature.

Testing

Specifications

Compatibility: Simon 3

Power Requirements: ?

Storage Temperature: -30° to 140°F (-34° to 60°C)

Operating Temperature: 32° to 140°F (0° to 60° C)

Color: Belgian Gray

Case Material:..... ABS Plastic

Dimensions: 3.75" x 5.5" x 1.2" (L x W x D)

Installation: Wall mounting

UL Listings:

FCC Notice

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

1. This device may not cause harmful interference.
2. This device must accept any interference that may be received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by Interlogix, Inc. can void the user's authority to operate the equipment.

FCC ID: B4Z-798A-THERM

Notices