



Honeywell

System Installation Guide

EConnect™ Wireless Thermostat Kit TL9160AR

With Equipment Interface Module

French : voir la page 27 • Espanol : vea la página 53

Installation guide for

- Wireless equipment interface module
- EConnect™ wireless thermostat
- Wireless remote control
- Wireless outdoor air sensor

IMPORTANT INSTRUCTIONS



ELECTRICAL HAZARD

Can cause electrical shock or equipment damage. **Disconnect power before beginning installation.**



Must be installed by a certified electrician. Read these instructions carefully. Failure to follow these instructions can damage the product or cause a hazardous condition.

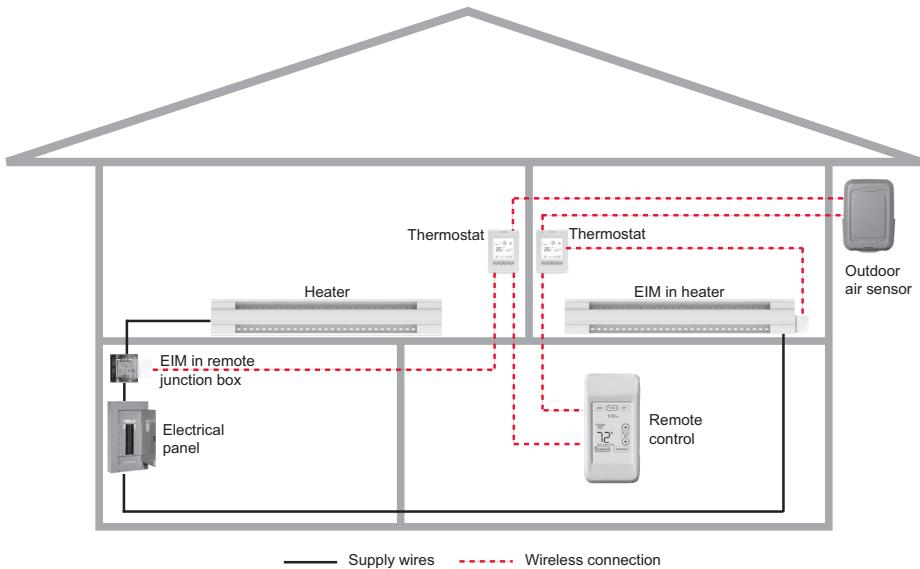
Need Help?

For assistance with this product please visit <http://customer.honeywell.com>, or call Honeywell Customer Care toll-free at 1-800-468-1502.



System installation at a glance

The equipment interface module (EIM) allows you to control a baseboard heater, a convector or a fan-forced heater in a 120-volt, 208-volt or 240-volt application from a EConnect™ wireless thermostat.



Installation procedure

- 1 Install the equipment interface module (EIM) Pages 3 - 6
- 2 Install batteries in wireless devices Page 7
- 3 Link all devices to wireless network Pages 7 - 10
- 4 Exit wireless setup Page 11
- 5 Customize thermostat (installer setup) Pages 11 - 19
- 6 Mount thermostat and outdoor sensor Pages 20 - 21

For error codes, see page 21.

To verify the signal strength, see page 22.

To replace a wireless device, see pages 22-23.

For specifications and replacement parts, see page 24.

SAVE THESE INSTRUCTIONS

1 Install the Equipment Interface Module (EIM)

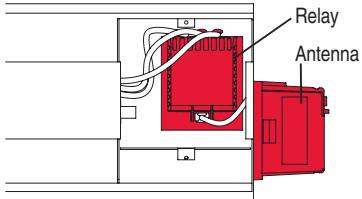
Determine the location

The equipment interface module (EIM) consists of a relay and an antenna. They can be installed either in the wiring compartment of the baseboard heater or in a 4-11/16" square junction box.

i Install EIMs at a minimum distance of 2 feet (0.6 m) of each other. This minimum distance still applies even if the EIMs are on opposite sides of a wall.

• Installing the EIM in a baseboard heater

You can install the EIM in the wiring compartment of the baseboard heater if you have any of the heaters listed in the following table:



Manufacturer / brand	Series
Cadet	F
Global Commander	CCB
King Electrical	K, CB, KP, M
Marley	2500, BKOC, QMKC
Ouellet	ODBA, ODI, ODIA, OFM, OPR
Stelpro	CBB, N, SCA, SCAS
TPI	2900C, 2900S, 3700, 3900

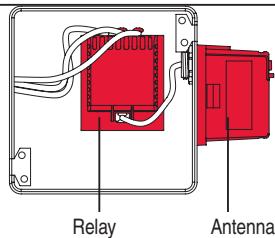
i The product has been tested for compatibility with the heaters listed above. If your heater is not on the list, install the EIM on a 4-11/16" square junction box or replace your heater with one listed.

• Installing the EIM in a 4-11/16" square junction box

You can use a 4-11/16" square junction box in either of the following conditions:

- You have a convector or fan-forced heater.
- You cannot install or do not wish to install the EIM in the wiring compartment of the baseboard heater.

i The junction box can be installed anywhere in the house; for example, near the main electrical panel.



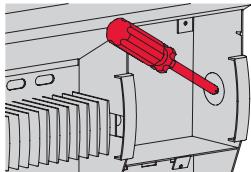
Installation in a baseboard heater



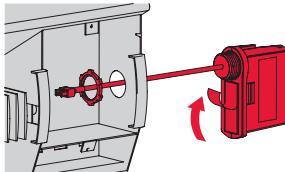
ELECTRICAL HAZARD

Can cause electrical shock or equipment damage. **Disconnect AC power before beginning installation.** Wiring must comply with local electrical codes. Use special CO/ALR solderless connectors if supply wires are made of aluminum.

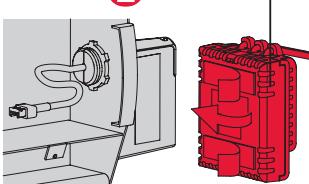
Disconnect the heater wires from the supply wires. If the heater has a built-in thermostat, remove it.



1 Remove the knockout on the side of the heater.



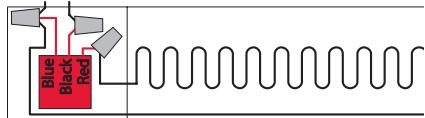
2 Remove the locknut from the antenna and peel off the adhesive backing. Feed the antenna cable through the knockout and install the antenna vertically as shown. Put the locknut and tighten.



Relay wires must be at the top

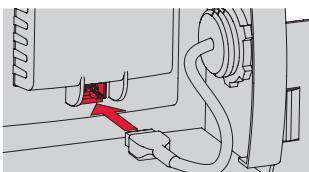
3 Clean the back panel inside the wiring compartment where the relay will be installed. Peel the adhesive backing off the relay and stick the relay on the back panel.

N L : For 120V application
L2 L1 : For 240V application

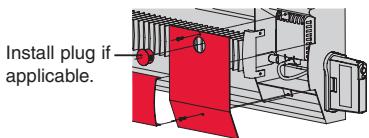


4 Connect the heater wires and the supply wires to the relay.

See page 6 if you are connecting more than one heater.



5 Insert the antenna plug into the relay receptacle until you hear a click.



6 **Put the heater cover back.** (If a built-in thermostat was removed, install one of the supplied plugs to cover the hole on the existing cover.) Apply power to the heater. Do not install the antenna cover yet.



ELECTRICAL HAZARD

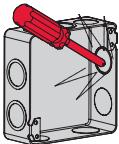
Can cause electrical shock. Install heater cover plate before applying power.

Installation in a 4-11/16" square junction box

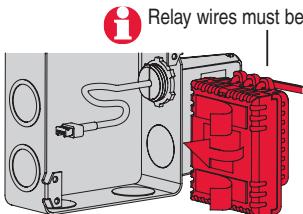


ELECTRICAL HAZARD

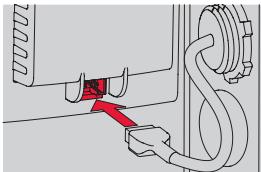
Can cause electrical shock or equipment damage. **Disconnect AC power before beginning installation.** Wiring must comply with local electrical codes. Use special CO/ALR solderless connectors if supply wires are made of aluminum.



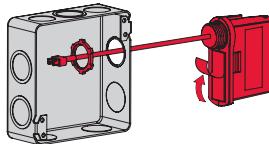
1 Mount the junction box on the wall. Punch out knockout(s), install strain relief bushing(s) and feed the supply wires and the heater wires. Punch out another knockout to install the antenna (step 2).



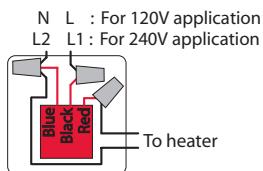
3 Clean the interior side of the junction box where the relay will be installed. Peel off the adhesive backing of the relay module and stick the relay inside the junction box.



5 Insert the antenna plug in the relay receptacle until you hear a click.

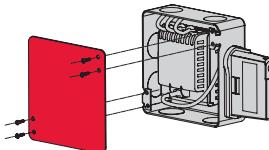


2 Remove the locknut from the antenna and peel off the adhesive backing. Feed the antenna cable through the knockout opening and mount the antenna. Put the locknut and tighten.



4 Connect the supply wires and heater wires to the relay.

i See page 6 if you are connecting more than one heater.



6 **Install a cover plate on the junction box** and apply power to the heater. Do not put the antenna cover back yet.



ELECTRICAL HAZARD

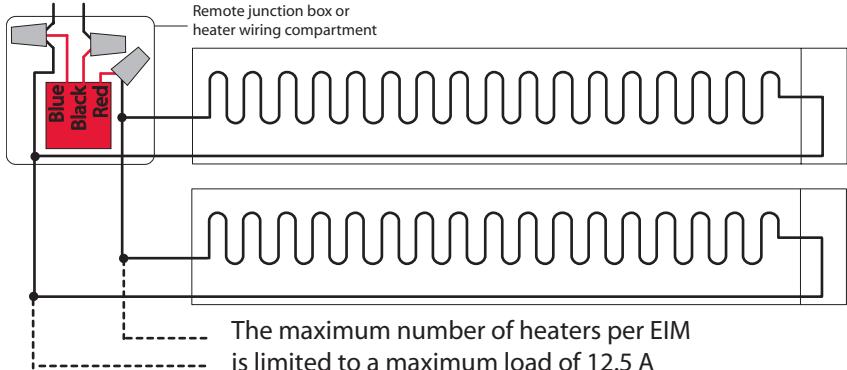
Can cause electrical shock. Install junction box cover plate before applying power.

Connecting multiple heaters to the same EIM

N L : For 120V application

L2 L1 : For 240V application

Remote junction box or
heater wiring compartment

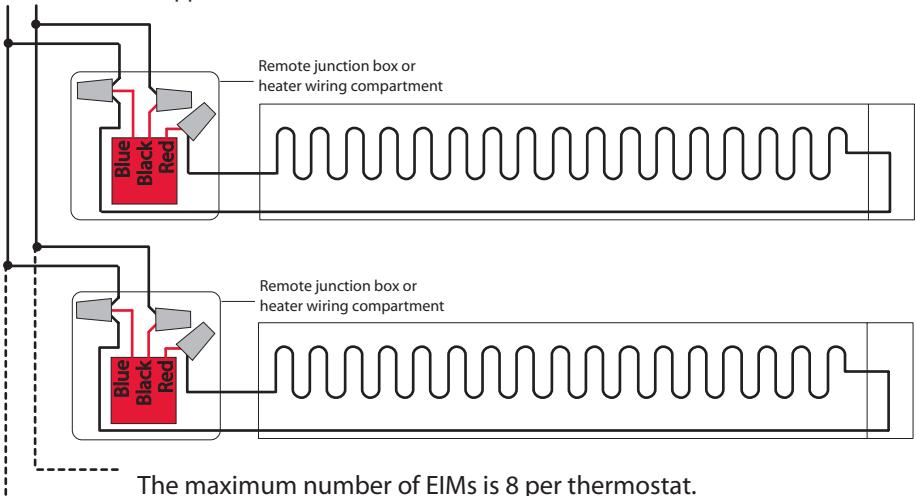


Connecting multiple EIMs on the same circuit

N L : For 120V application

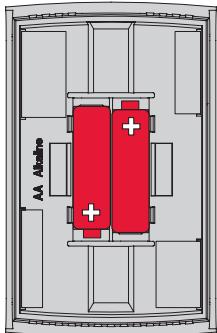
L2 L1 : For 240V application

Remote junction box or
heater wiring compartment



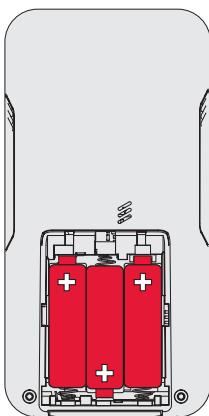
2 Install batteries in wireless devices

Thermostat



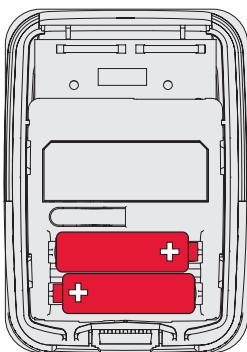
Install 2 AA alkaline batteries

Remote control
(optional)



Install 3 AA alkaline batteries

Outdoor air sensor
(optional)



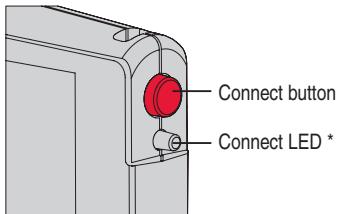
Install 2 AA lithium batteries

3 Link all devices to wireless network

Start wireless setup

Press the EIM Connect button on the antenna to place it in wireless setup. When the amber light changes to a green flashing light, you can begin to link devices to the wireless network (see pages 8-11).

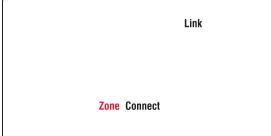
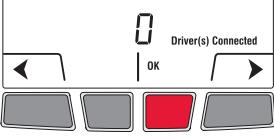
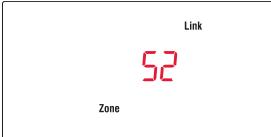
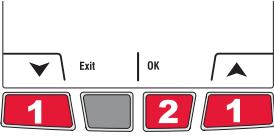
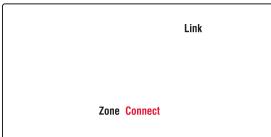
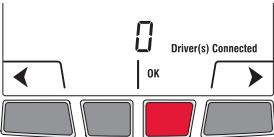
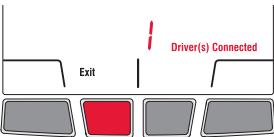
- i** If the amber light changes to a red light instead, there is another EIM currently in wireless setup. Press the Connect button on the other EIM to exit its wireless setup.
- i** If the green flashing light disappears (after a delay of 15 minutes) before you have time to link all your devices, press the connect button again.



* Flashing green: Ready for connection
Steady green: Connection established
Steady red: Connection failure

Link thermostat and EIM to wireless network

Perform the following steps on the thermostat:

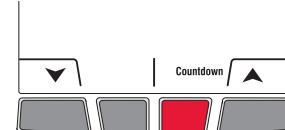
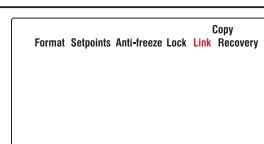
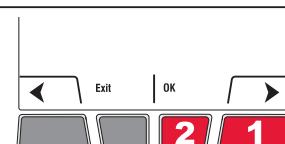
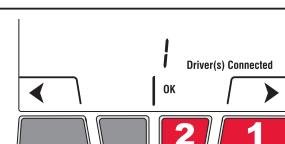
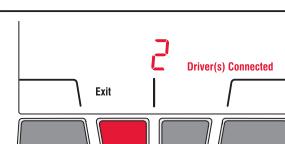
#	Display	Button	Step
1)			The Link menu appears when you connect the thermostat to wireless network for the first time. Press OK to select Zone .
2)			Press ▲ or ▼ to change the zone name (optional; see page 17) and press OK .
3)			Press OK to select Connect .
4)			DONE confirms the connection is successful. Press Exit once to link another EIM (see page 9) or 3 times to return to home screen.

 If an error code (E followed by a number) appears on the screen, see its explanation on page 21.

Link additional EIM to wireless network (optional)

i Perform steps 1 to 6 for each additional EIM. You can link a maximum of 8 EIMs to the wireless network:

- 1 If the green light on the previously-linked EIM is flashing, press its Connect button. The green light will become steady.
- 2 Press the Connect button on the next EIM you wish to link and wait for its green flashing light.
- i** Skip steps 3 and 4 if the thermostat is displaying the **Link** menu (as shown in step 5).

#	Display	Button	Step
3)			Press and hold the right center button for 5 secs.
4)			From the installer's setup menu, press ▶ to select Link and press OK .
5)			Press ▶ to select Connect More and press OK .
6)			DONE confirms the connection is successful. Press Exit once and go back to step 1 to link another EIM or press Exit 3 times to return to home screen.

Link outdoor sensor to wireless network (optional)

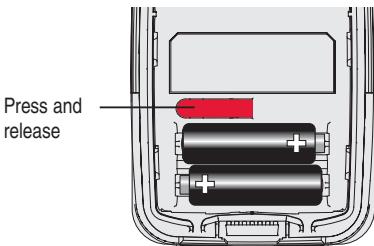
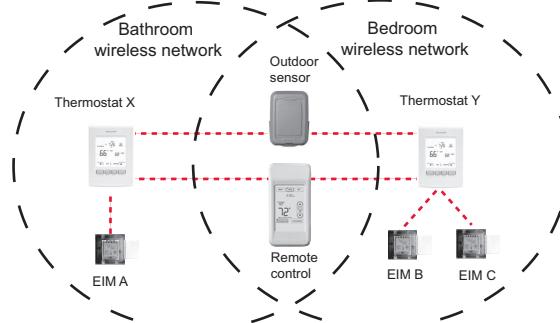
- 1 Make sure the Connect light on the EIM is flashing (see page 7).

i If you have more than one wireless thermostat, make sure to activate the wireless setup from an EIM linked to the thermostat. For example, to display the outdoor temperature on thermostat Y, you must activate the wireless setup from either EIM B or C, not A.

- 2 Press the **CONNECT** button on the back of the sensor.

- 3 After 15 seconds, check if the thermostat is displaying a value for the outdoor temperature reading.

i If you have more than one wireless thermostat, repeat steps 1 and 3 for each thermostat.



Link remote control to wireless network (optional)

- 1 Make sure the Connect light on the EIM is flashing (see page 7).

i If you have more than one wireless thermostat, make sure to activate the wireless setup from an EIM linked to the thermostat. For example, to link the remote control to thermostat Y, you must activate the wireless setup from either EIM B or C, not A.

- 2 Press **CONNECT** at the remote control.

- 3 When the remote control displays **Connected** (after a short delay), press **DONE**.

- 4 Press **NO** at the next screen to save and exit. (Or press **YES** and repeat steps 1-4 to link to another network).



Press to link to another network

Press to save and exit

4 Exit wireless setup

- 1 Press the EIM Connect button. Its green flashing light will change to a steady green light.
- 2 If you do not press the connect button, the EIM will automatically exit wireless setup after 15 minutes of inactivity.
- 3 Put the cover back on the antenna module.

5 Customize the thermostat

Accessing the installer setup menu

- To access the installer setup menu from the home screen, press and hold the right center button for 5 secs.

Navigating the menus

- Press **◀** or **▶** to navigate the menus and setup functions.
- Press **OK** to select the flashing menu or setup function.

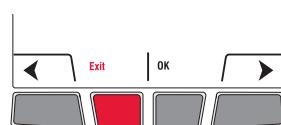
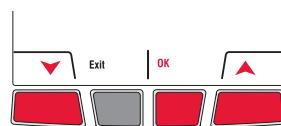
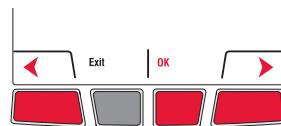
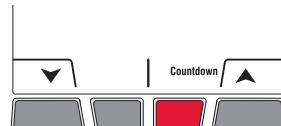
Modifying the settings

- Press **▲** or **▼** to modify the displayed setting.
- Press **OK** to save the displayed setting. The setting will flash to confirm that it has been saved.

Exiting the menus

- Press **Exit** once to return to the previous menu or as many times as necessary to return to the home screen.

i If you press **Exit** after you have changed a setting, the new setting will not be saved. Make sure you press **OK** to save the new setting before you press **Exit**.



Installer setup table

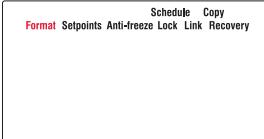
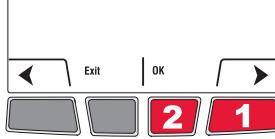
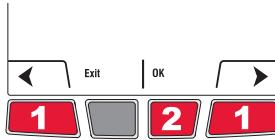
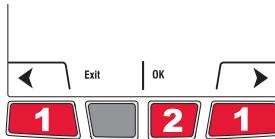
Setup function	Options	Default setting	To modify, see
Temperature unit	°C / °F	°F	Page 12
Time format	12h / 24h	12h	Page 12
Minimum setpoint	41°F to 86°F (5°C to 30°C)	41°F (5°C)	Page 13
Maximum setpoint	41°F to 86°F (5°C to 30°C)	86°F (30°C)	Page 13
Anti-freeze	On / Off	On	Page 14
Keypad lock	None / Partial / All	None	Page 15
Zone name	1, ..., 57	52	Pages 16 - 17
Adaptive Intelligent Recovery	On / Off	On	Page 18
Programmable mode	On / Off	On	Page 18

i To set the date & time, the schedule and the automatic daylight savings, refer to User's Guide.

Temperature unit / Time format

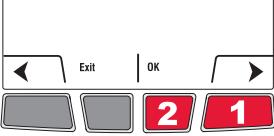
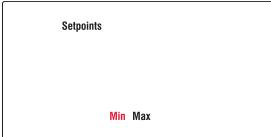
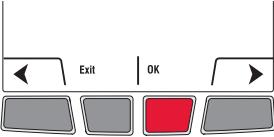
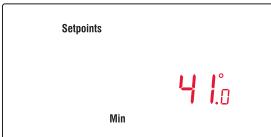
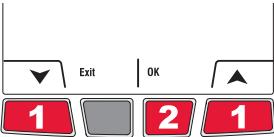
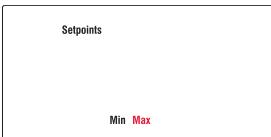
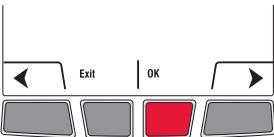
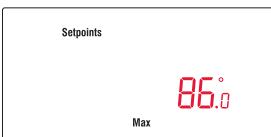
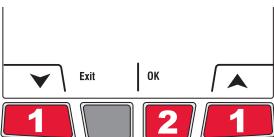
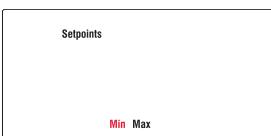
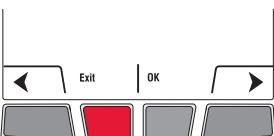
Follow this procedure to select the temperature unit (°C or °F) and time format (12h or 24h).

i The time format selection is available only if the thermostat is in programmable mode.

#	Display	Button	Step
1)			From the installer's setup menu, press OK to select the Format menu.
2)			Press ◀ or ▶ to change the temperature unit. Press OK .
3)			Press ◀ or ▶ to change the time format. Press OK .

Minimum and maximum setpoints

Follow this procedure to set the minimum and maximum setpoint temperature.

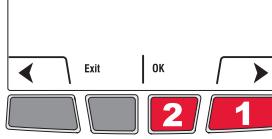
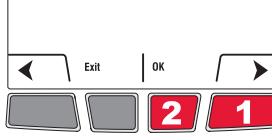
#	Display	Button	Step
1)			From the installer's setup menu, press ► to select Setpoints and press OK .
2)			Press OK to select Min .
3)			Press ▲ or ▼ to change the minimum setpoint. Press OK .
4)			Press OK to select Max .
5)			Press ▲ or ▼ to change the maximum setpoint. Press OK .
6)			Press Exit once to return to installer's setup menu or twice to return to home screen.

Anti-freeze

When this function is on, the EIM will maintain the room temperature at 55°F (13°C) if it loses communication with the thermostat or if the thermostat sensor is defective.

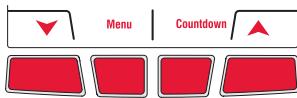
i Leave the protection on unless the EIM is installed in a junction box in a separate room from the heater.

To turn off the protection, proceed as follows:

#	Display	Button	Step
1)			<p>From the installer's setup menu, press ► as needed to select Anti-Freeze and press OK.</p>
2)			<p>Press ◀ or ► to set to OFF. Press OK.</p>

Keypad lock

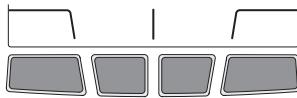
By default, the keypad lock is disabled.



If you leave at **None**, the user will have full access to all thermostat functions.



If you select **Part** (Partial), the user can change the room temperature only.

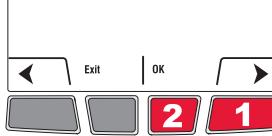
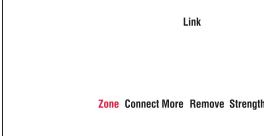
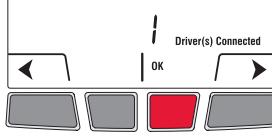
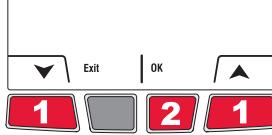
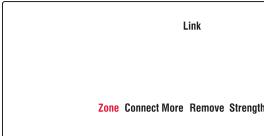
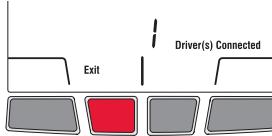


If you select **All**, the buttons will not appear on the screen. To unlock, go to Installer Setup (see page 11).

#	Display	Button	Step
1)	<p>Schedule Copy Format Setpoints Anti-freeze Lock Link Recovery</p>	<p>Exit OK</p>	From the installer's setup menu, press ► to select Lock and press OK .
2)	<p>Lock</p> <p>NO NE</p>	<p>Exit OK</p>	Press ▲ or ▼ to select All , Part (partial) or None . Press OK .

Zone name

The zone name is used to identify the thermostat on the wireless remote control. By default, the zone name is **Thermostat** (zone name 52). If you have a wireless remote control and more than one wireless thermostat, change the zone name of the thermostat to identify it from the other thermostats. For example, if the thermostat is in the living room, set the zone to **31**.

#	Display	Button	Step
1)			From the installer's setup menu, press ► to select Link and press OK .
2)			Press OK to select Zone .
3)			Press ▲ or ▼ to set the zone name (see page 17). Press OK .
4)			Press Exit once to return to installer's setup menu or twice to return to home screen.

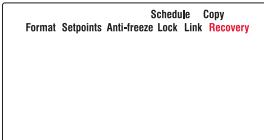
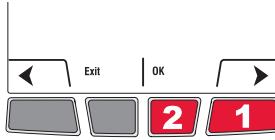
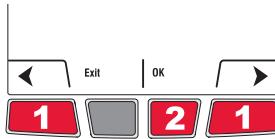
Zone name list

Zone	Name	Zone	Name	Zone	Name	Zone	Name
1	Basement	16	Exercise Room	30	Library	44	Porch
2	Bathroom	17	Family Room	31	Living Room	45	Rec Room
3	Bathroom 1	18	Fireplace	32	Lower Level	46	Sewing Room
4	Bathroom 2	19	Foyer	33	Master Bath	47	Spa
5	Bathroom 3	20	Game Room	34	Master Bed	48	Storage Room
6	Bedroom	21	Garage	35	Media Room	49	Studio
7	Bedroom 1	22	Great Room	36	Music Room	50	Sun Room
8	Bedroom 2	23	Guest Room	37	Nursery	51	Theater
9	Bedroom 3	24	Gym	38	Office	52	Thermostat
10	Bedroom 4	25	Kid's Room	39	Office 1	53	Upper Level
11	Boat House	26	Kitchen	40	Office 2	54	Utility Room
12	Bonus Room	27	Kitchen 1	41	Pantry	55	Walk In Closet
13	Computer Room	28	Kitchen 2	42	Play Room	56	Wine Cellar
14	Den	29	Laundry Room	43	Pool Room	57	Workshop
15	Dining Room						

Adaptive Intelligent Recovery

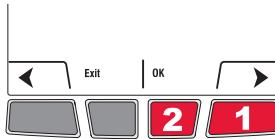
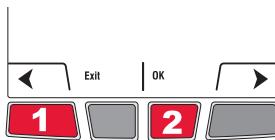
Available only if you use the thermostat in programmable mode.

When Adaptive Intelligent Recovery is on, the thermostat “learns” how long your heater takes to reach the set temperature. The thermostat will then determine when to activate heating so the desired temperature is attained at the desired time. The thermostat reassesses the heating start time daily based on the previous day’s performance. When Adaptive Intelligent Recovery is off, heating starts at the set time.

#	Display	Button	Step
1)			From the installer’s setup menu, press ► to select Recovery and press OK .
2)			Press ◀ or ► to select OFF and press OK .

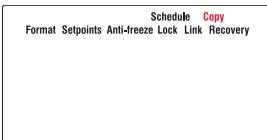
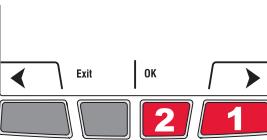
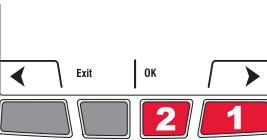
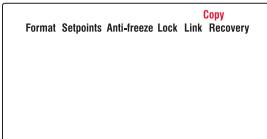
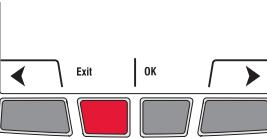
Programmable mode

The thermostat is factory-set as a 7-day programmable thermostat. To set it as a non-programmable thermostat, proceed as follows:

#	Display	Button	Step
1)			From the installer’s setup menu, press ► to select Schedule and press OK .
2)			Press ◀ or ► to select OFF and press OK .

Copy

Use this function to copy the configuration settings, the schedule settings or both to other EConnect™ wireless thermostats in your house. This function is available only if the thermostat is connected either to a remote control or outdoor sensor. The settings are copied to other thermostats connected to the remote control or outdoor sensor.

#	Display	Button	Step
1)			From the installer's setup menu, press ► as needed to select Copy and press OK .
2)			Press ◀ or ▶ to select Schedule , Configuration or both. Press OK .
3)			Wait may appear for several minutes. When DONE appears, press Exit to return to home menu.

System test

- 1 From the Home screen, press ▲ until the setpoint temperature is above the room ambient temperature by at least 2°. Press **Temporary**.
- 2 Wait for **Heat On** to display on the thermostat.
- 3 Verify if the heater becomes hot.
- 4 Press **Cancel** to return the thermostat to its previous mode.

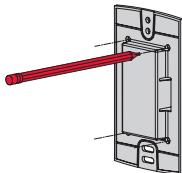
6 Mount thermostat and outdoor sensor

Follow the guidelines below when mounting the thermostat:

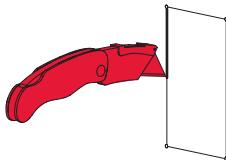
- Do NOT install the thermostat in an area where it can be exposed to water or rain.
- Avoid locations where there are air drafts (top of staircase, air outlet), dead air spots (behind a door), direct sunlight or concealed chimney or stove pipes.
- For a new installation, choose a location about 1.5 m (5 ft.) above the floor.
- Install the thermostat on an inside wall facing the heater.
- Keep the thermostat's top and bottom air vents (openings) clean and unobstructed at all times.

Two mounting plates are provided for mounting the thermostat on the wall or on a junction box. Use **Method A** for a slimmer thermostat look. Choose **Method B** if you prefer not to make an opening in the wall. **Method C** must be used for installation on a junction box.

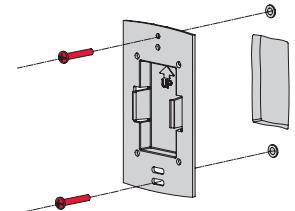
Recessed mounting on a wall (Method A)



Mark the four corners and join them to create a rectangular outline.

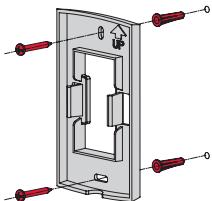


Cut along the outline to create an opening in the wall.



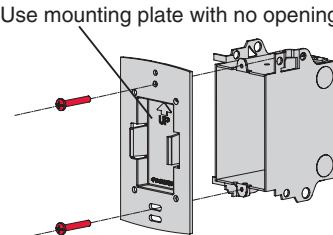
Secure the mounting plate to the wall using provided wall anchors and screws.

Mounting on a wall (Method B)



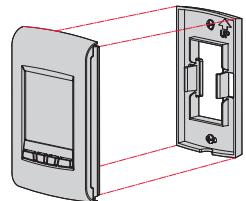
Secure the mounting plate to the wall using provided wall anchors and screws.

Mounting on a junction box (Method C)



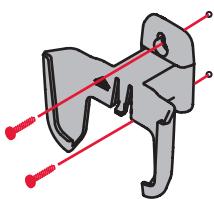
Secure the mounting plate to a junction box using provided mechanical screws.

Installing faceplate

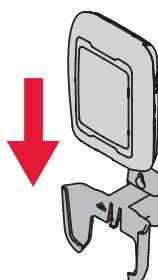


Complete the thermostat installation by pressing the faceplate against the mounting plate.

Mounting the outdoor sensor (optional)



Mount the sensor vertically on an exterior wall, at least 6 inches below any overhang. Choose a location protected from direct sunlight.



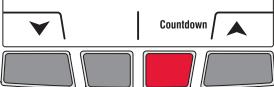
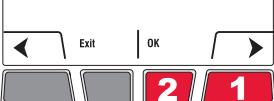
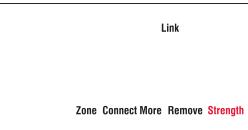
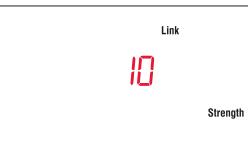
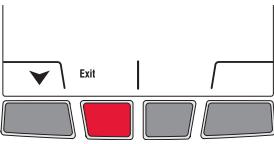
Place sensor securely in bracket, facing away from wall.

Error codes

Display	Description
LO	The indoor temperature is below 32°F (0°C).
HI	The indoor temperature is above 140°F (60°C).
--	The temperature reading is currently unavailable or the sensor is defective.
E128	The wireless network setup must be redone.
E129	Attempting to connect incompatible wireless devices.
E130	Invalid address. Call customer assistance.
E134	Low signal strength. Move wireless device to a different location and try again.
E137	Maximum number of devices is exceeded.
E138	Make sure Connected light on EIM is flashing and you are 2+ feet away from EIM.
E152	Incorrect order. Make sure to link EIM to proper thermostat.

Verifying the signal strength between the EIM and the thermostat

If you have more than one EIM linked to the thermostat, the displayed value is between the thermostat and the first-linked EIM. The signal strength ranges from 0 (no signal) to 10 (strongest).

#	Display	Button	Step
1)			From the home screen, press and hold the right center button for 5 secs.
2)			Press ► to select Link and press OK .
3)			Press ► to select Strength and press OK .
4)			The signal strength is displayed. Press Exit twice to return to installer's setup menu or three times to return to home screen.

Replacing wireless devices

Thermostat

To replace the thermostat, install batteries in the new thermostat (see page 7) and link it to the wireless network (see page 8). To customize the thermostat, see pages 11-18.

 If more than one EIM were linked to the old thermostat, you can link the new thermostat from any one of these EIMs.

Remote control or outdoor sensor

To replace the remote control or the outdoor sensor, install batteries in the new device (see page 7) and link it to the wireless network (see page 10).

i If more than one EIM are linked to the same thermostat, you can link the remote control or the outdoor sensor from any one of these EIMs.
If you have more than one wireless thermostat, link the remote control or the outdoor sensor from one EIM of each of the wireless thermostats.

Equipment interface module (EIM)

If you have a remote control:

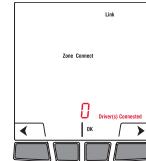
- 1 Press and hold, for about 3 seconds, the blank space (or arrow if present) in the lower right corner of the screen until the display changes.
- 2 Press **REMOVE**, then **YES**.



If you have only one EIM linked to the thermostat:

Remove the defective EIM, install a new one (see pages 3 - 6) and proceed as follows:

- 1 Check if the thermostat displays **0 Driver(s) connected** as shown on the right. If so, go straight to step 5.
- 2 From the home screen, press and hold the right center button for 5 secs.
- 3 Press **▶** to select **Link** and press **OK**.
- 4 Press **▶** to select **Remove** and press **OK**. The thermostat will display **0 Driver(s) connected**.
- 5 Follow the procedures on pages 7-11 to set up a new network with the new EIM.

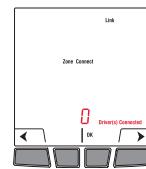
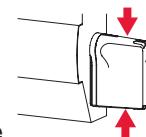


If you have more than one EIM linked to the thermostat:

Follow the procedure below to identify the defective EIM(s) and to re-establish all links:

- 1 Remove the antenna cover from each EIM in the network by squeezing the cover (as shown by red arrows) and pulling it out.
- 2 Press, for 10 seconds, the **CONNECT** button on every EIM that has a green light. Repeat this step until none of the EIM shows a green light.
- 3 Check if the thermostat displays **0 Driver(s) connected** as shown on the right. If so, go straight to step 7.
- 4 From the home screen, press and hold the right center button for 5 secs.
- 5 Press **▶** to select **Link** and press **OK**.
- 6 Press **▶** to select **Remove** and press **OK**. The thermostat will display **0 Driver(s) connected**.
- 7 Follow the procedures on pages 7-11 to create a new network. You will know that an EIM is defective if its light turns red or the thermostat displays an error code when you try to link the EIM to the network.

Replace it before continuing to link other EIMs.



Specifications & replacement parts

Thermostat

Temperature setpoint range:	41°F - 86°F (5°C - 30°C)
Temperature setpoint resolution:	1°F (0.5°C)
Temperature display range:	32°F - 104°F (0°C - 40°C)
Temperature display resolution:	1°F (0.5°C)
Heating cycle rate:	15 minutes
Programming:	5-2 days, 7 days, 1 day or Non-Programmable

Operating Ambient Temperature

Thermostat:	32°F - 122°F (0°C - 50°C)
Remote control:	32°F - 120°F (0°C - 48.9°C)
EIM (relay):	-4°F - 140°F (-20°C - 60°C)
EIM (antenna):	-4°F - 140°F (-20°C - 60°C)
Outdoor air sensor:	-40°F - 140°F (-40°C - 60°C)

Operating Relative Humidity

Thermostat:	5% - 90% (non-condensing)
Remote control:	5% - 90% (non-condensing)
EIM (relay):	5% - 95% (non-condensing)
EIM (antenna):	5% - 95% (non-condensing)
Outdoor air sensor:	0% - 100% (condensing)

Physical Dimensions (height, width, depth)

Thermostat:	5.13 x 3.22 x 1.14 inches (130 x 82 x 29 mm)
EIM (relay):	3.03 x 2.49 x 1.28 inches (73 x 63 x 29 mm)
EIM (antenna):	2.89 x 2.63 x 1.16 inches (71 x 62 x 33 mm)
Outdoor air sensor:	5.00 x 3.50 x 1.68 inches (127 x 89 x 43 mm)

Electrical Ratings (EIM)

Supply:	100-240 VAC, 50/60 Hz
Minimum load:	0.4 A (resistive only)
Maximum load:	12.5 A (resistive only)

Accessories & Replacement Parts

Item Part	Number
Equipment Interface Module (EIM)	TLM1110R1000
Remote control	REM5000R1001
Outdoor air sensor	C7089R1013
Antenna cover (white)	50055751-001
Antenna cover (almond)	50055751-003

Regulatory information

FCC Compliance Statement (Part 15.19) (USA only)

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.

FCC Warning (Part 15.21) (USA only)

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

FCC Interference Statement (Part 15.105 (b)) (USA only)

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, may cause harmful interference to radio communications. However, there is no guarantee that 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 of the following measures:

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

Equipment interface module, thermostats and outdoor sensor

To comply with FCC and Industry Canada RF exposure limits for general population/ uncontrolled exposure, the antenna(s) used for these transmitters must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

Remote Control

This portable transmitter with its antenna complies with FCC and Industry Canada RF exposure limits for general population/uncontrolled exposure. This device must not be co-located or operating in conjunction with any other antenna or transmitter.

Section 7.1.3 of RSS-GEN

Operation is subject to the following two conditions:

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

Section 7.1.2 of RSS-GEN

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

Need Help?

For assistance with this product please visit <http://customer.honeywell.com>,
or call Honeywell Customer Care toll-free at **1-800-468-1502**.

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