

# Quick Start Guide



**Honeywell**

Lyric T5 Wi-Fi Thermostat



**Mercury Notice:** If this product is replacing a control that contains mercury in a sealed tube, do not place the old control in the trash. Contact the Thermostat Recycling Corporation at 1-800-238-8192 or thermostat-recycle.org for information on how and where to properly and safely dispose an old thermostat.



**DISCONNECT POWER BEFORE INSTALLATION.**  
Can cause electrical shock or equipment damage.

#### **Compatibility**

- Compatible with most heating, cooling, and heat pump systems
- Required: 24 VAC power ("C" wire)
- Does not work with electric baseboard heat (120-240V)
- Does not work with millivolt systems
- Android or iOS smartphone, tablet or device

#### **For help, contact:**

**WEB:** [yourhome.honeywell.com/support](http://yourhome.honeywell.com/support)

**EMAIL:** [MyLyric@honeywell.com](mailto:MyLyric@honeywell.com)

**PHONE:** 1-800-633-3991

#### **SOCIAL:**

Twitter: [@Honeywell\\_Home](https://twitter.com/Honeywell_Home),

Facebook: [Honeywell Home](https://www.facebook.com/HoneywellHome)

# Welcome

The Lyric T5 Wi-Fi Thermostat is a Wi-Fi® enabled comfort system designed to be easy to use, as well as maximize your home comfort. Lyric T5 Wi-Fi thermostat provides control of single stage and multi stage conventional and heat pump heating and cooling systems.

## Key features:

- Connect to the Internet and control your heating/cooling system from anywhere with your smart devices.
- View and change your heating/cooling system settings.
- Programming options to fit any lifestyle:
  - **Geo Fencing:** Use a smartphone's location to manage comfort when home or away.
  - **Smart Scheduling:** Use combination of Geo Fencing and time scheduling to fit a busy, active lifestyle.
  - **Time Scheduling:** Programs for 7Day, 1Day, 5-1-1, or 5-2, with 4 periods during day.
  - **No scheduling:** You can also control your comfort manually by adjusting the temperature yourself.
- Receive alerts, service reminders via e-mail, and get automatic software and features upgrades.

## Download free Honeywell Lyric app:

- Once connected to Wi-Fi and registered Honeywell Lyric app., you can control your thermostat from anywhere through your tablet or smartphone. The Honeywell Lyric app is available for Apple® iPhone®, iPad® devices at iTunes® or at Google Play® for all Android™ devices.
- It allows you much wider offer of scheduling options and other comfort setting compared to standard “on device only” control.
- Download the Lyric App and register a new account or enter an existing account. Add a new device and follow the steps to configure, set up and connect the Lyric thermostat to the local Wi-Fi network.

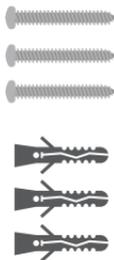
Included in your box:



Thermostat

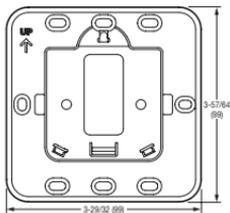


Honeywell Standard  
16 Connector (S16)

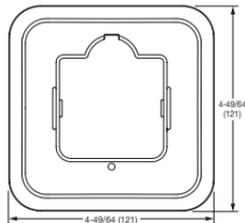


Screws and Anchors

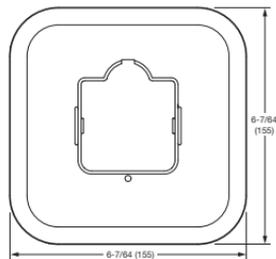
Optional Accessories Available:



Honeywell Standard  
Installation Adapter  
3-29/32 in (99mm.) x  
3-57/64 in (99mm.)



Honeywell Decorative  
Cover Plate – Small  
4-49/64 in (121mm.) x  
4-49/64 in (121mm.)



Honeywell Decorative  
Cover Plate – Large  
6-7/64 in (155mm.) x  
6-7/64 in (155mm.)

## Tools you will need:



Phillips screwdriver



Small flat head screwdriver



Ballpoint pen



Needle-nose pliers\*



Wire stripper\*



Drill and  
drill bit (7/32")\*

\*Tools you might need

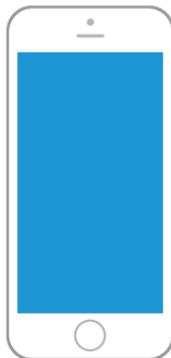


Home Wi-Fi password



**Honeywell Lyric app**

*To configure your system  
and connect to your smartphone*



**Smartphone**

*To photograph your existing wiring and  
access the thermostat app*

# Installation

The Lyric T5 Wi-Fi Thermostat should be mounted in a suitable location.

- Install the thermostat about 5 ft. (1.5m) above the floor in an area with good air circulation at average temperature. See Fig. 1.
- Do not install the thermostat where it can be affected by:
  - Drafts or dead spots behind doors and in corners.
  - Hot or cold air from ducts.
  - Radiant heat from sun or appliances.
  - Concealed pipes and chimneys.
  - Unheated (uncooled) areas such as an outside wall behind the thermostat.

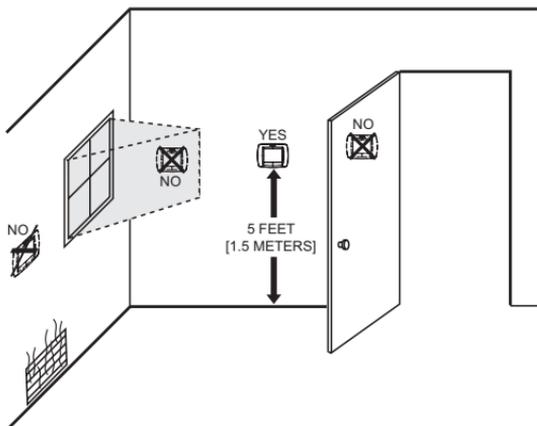
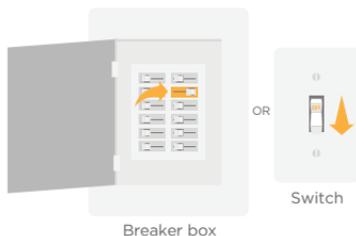


Fig. 1. Selecting thermostat location.

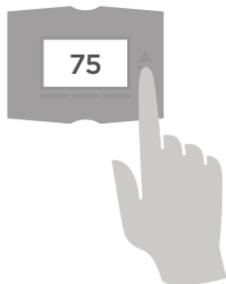
# 1 Turn OFF power (important!)

To protect yourself and the equipment, turn OFF the power at the breaker box or switch that controls your heating/cooling system.



# 2 Make sure the power is OFF!

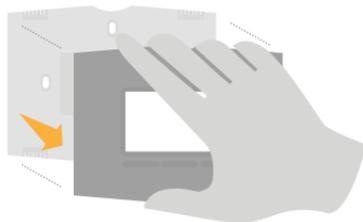
Try turning ON your heating/cooling system by changing the temperature. If you can't get the system to turn ON in 5 minutes, you'll know the power is OFF.



# 3 Take the faceplate off your old thermostat.

On most thermostats, you can take off the faceplate by grasping and gently pulling. Some thermostats may have screws, buttons, or clasps.

Do not remove any wires from your thermostat.



#### 4 Make sure there are no 120/240V wires.

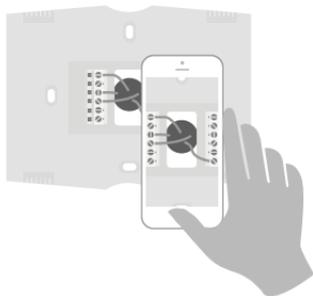
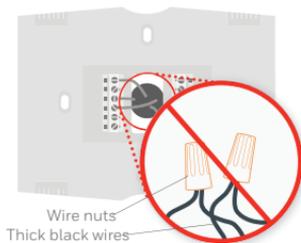


Do you have thick black wires with wire nuts? Is your thermostat 120V or higher? If you answered yes to either of these questions, you have a line voltage system and the Lyric thermostat will not work.

If you are unsure visit:  
[yourhome.honeywell.com/support](http://yourhome.honeywell.com/support)

#### 5 Take a picture of how your wiring looks right now.

Be sure to include the letters next to the terminals where the wires are inserted. This will be a helpful reference when wiring your Lyric thermostat.



## 6 Record if you have wires in the following terminals.

Do not include jumpers.

Check all that apply:

Terminal	Color of Wire
<input type="checkbox"/> R	_____
<input type="checkbox"/> Rc	_____
<input type="checkbox"/> RH	_____

## 7 Record the existing wire configuration.

Note the color of the wires that are plugged into your old thermostat's terminals. You will need this information to correctly wire your Lyric thermostat.

Terminal	Color of Wire
<input type="checkbox"/> L	_____
<input type="checkbox"/> C	_____
<input type="checkbox"/> W2	_____
<input type="checkbox"/> W	_____
<input type="checkbox"/> U1	_____
<input type="checkbox"/> U2	_____

Terminal	Color of Wire
<input type="checkbox"/> K	_____
<input type="checkbox"/> G	_____
<input type="checkbox"/> Y2	_____
<input type="checkbox"/> Y	_____

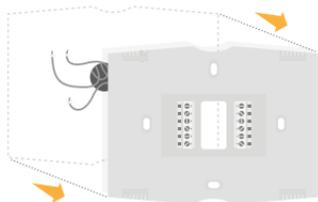
**If there are wires in terminals that are not listed, you will need additional wiring support.** Visit [yourhome.honeywell.com/support](http://yourhome.honeywell.com/support) to find out if the Lyric thermostat will work for you.

**Tip:** You can also use the wiring guide in the Lyric app to create a diagram of how to wire the new Standard 16 Connector.

## 8 Disconnect wires & remove the old thermostat's wall plate.

Use a screwdriver or a ballpoint pen to release wires from terminals.

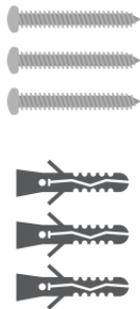
**Tip:** To prevent wires from falling back into the wall, wrap the wires around your ballpoint pen.



## 9 Insert the wall anchors (included).

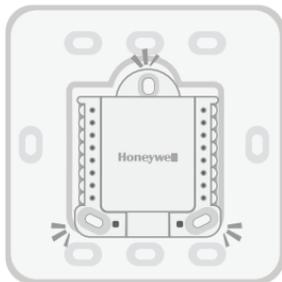
It is recommended that you use the screws and wall anchors included in the box when mounting your thermostat.

You can use the **Honeywell Standard 16 Connector** to mark where you want to place the wall anchors. Drill bit size  $7/32$ ".



## 10 Check for any paint gaps or screw holes left by the old thermostat.

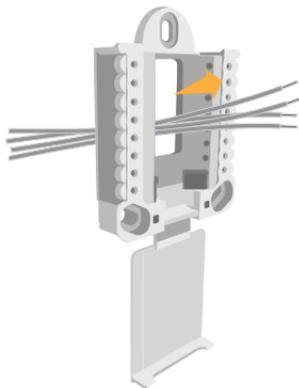
If you choose to use the optional Honeywell Decorative Cover Plate and Standard Installation Adapter to hide blemishes, snap the Connector to Installation Adapter. For more information see page 12.



## 11 Bundle and insert wires through the new Honeywell Standard 16 Connector.

Gather the wires and guide them through the hole in the middle of the Standard 16 Connector.

Make sure at least 1/4-inch of each wire is exposed for easy insertion into the wire terminals. You can use the "wiring guide" on the Standard 16 Connector door to measure the correct length for exposed wire.



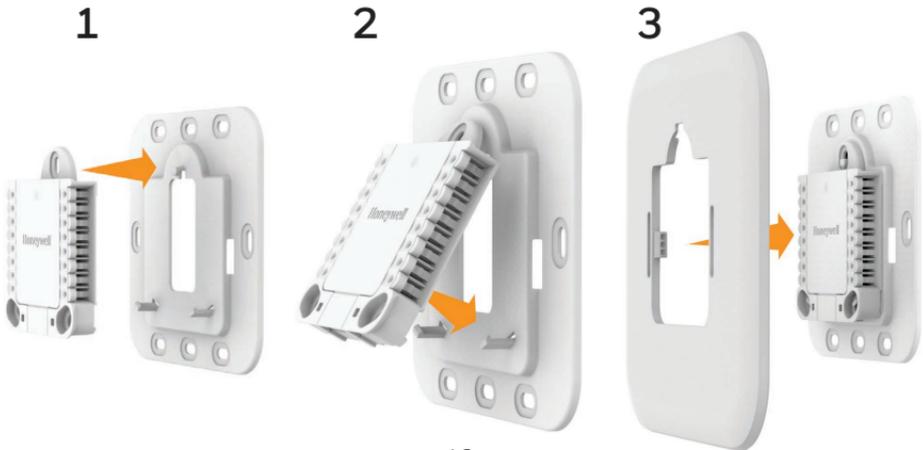
## OPTIONAL:

Use either small or large Decorative Cover Plate sold separately to cover any paint gaps or screw holes left by the old thermostat.

(For more info where to purchase thermostat accessories, go to [yourhome.honeywell.com](http://yourhome.honeywell.com))



First attach Connector to Installation Adapter (picture 1 and 2). In the next step, attach Decorative Cover Plate to create a tight fit of the thermostat to wall (picture 3).



## 12 Review your answer from Step 6.

Set the R-switch up or down based on your wiring notes in **Step 6**.

If there is only one wire connected to R, then your system uses this wire to power both heating and cooling. Set the R-switch to the **up** position.

If you have an R or Rh, and Rc wire, then your system uses R or Rh to power the heating system and Rc to power the cooling system. Set the R-switch to the **down** position.

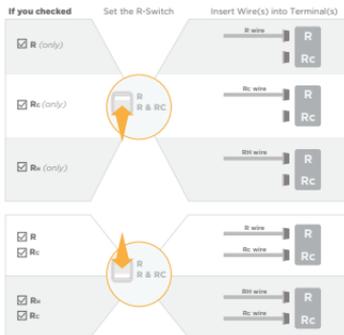
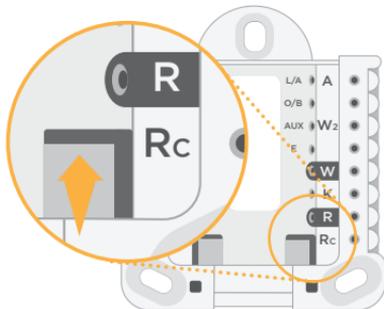
**NOTE:** U-switch on the bottom left of the Honeywell Standard 16 Connector is not needed for this thermostat version.

## 13 Firmly connect remaining wires from Step 7.

Push down on the tab to put remaining wires into its corresponding terminal on the Standard 16 Connector (one wire per terminal) until it is firmly in place.

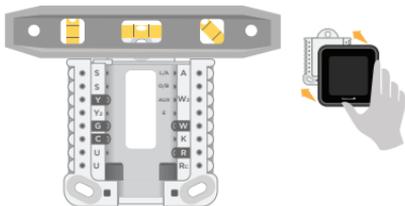
Gently tug on wires to verify they are secure.

To release wires, push down the terminal levers on the on sides of Standard 16 Connector.



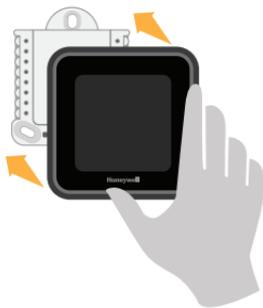
## 14 Mount the Standard 16 Connector.

Mount the Standard 16 Connector using the provided screws and anchors. Install all (3) anchors & screws for a secure fit on your wall. Make sure the Standard 16 Connector is level, ideally by using bubble level, keeping the bubble between the two lines.



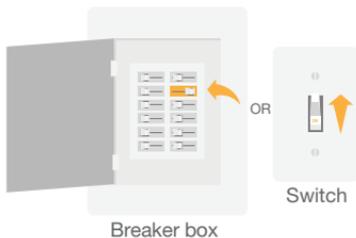
## 15 Attach your Lyric T5 Wi-Fi Thermostat.

Align the Lyric thermostat onto Honeywell Standard 16 Connector and firmly snap it into place.



## 16 Turn your power ON.

Turn ON the power at the breaker box or switch that controls the heating/ cooling system.



## 17 Log in to configure and connect

Your Lyric thermostat is not yet configured to control your heating/cooling system.

To complete your setup, download the Lyric App and register a new account or enter an existing account.

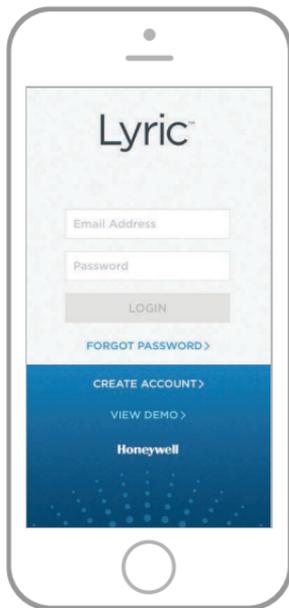
### Android

Search Google Play for Honeywell Lyric.  
Create an account and log in to configure and connect.

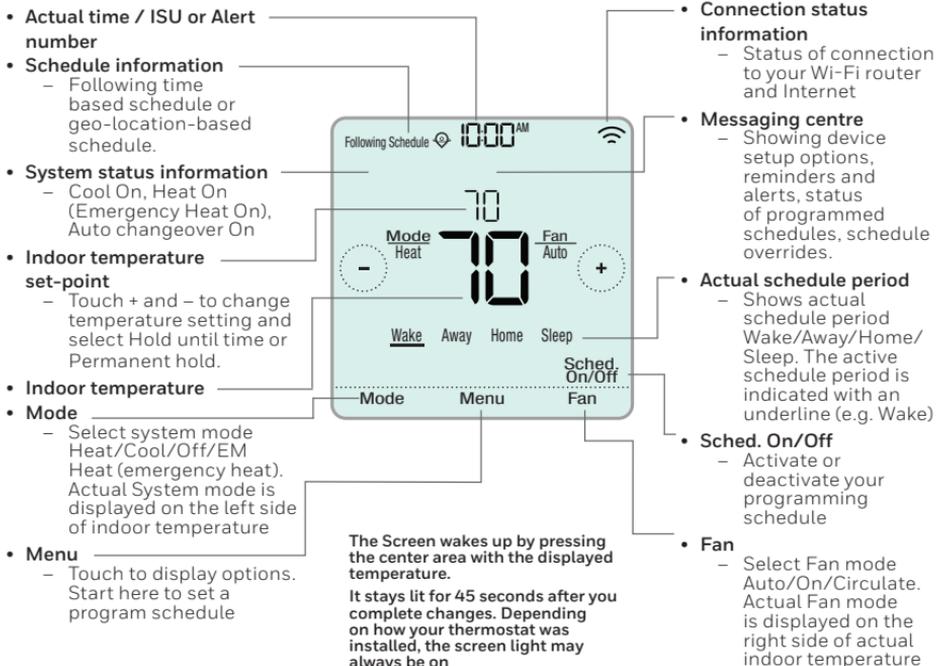


### iOS

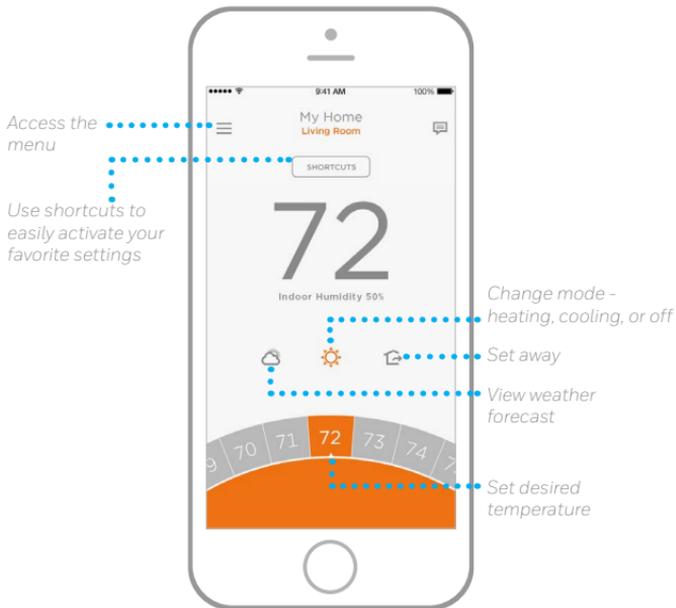
Search the App Store for Honeywell Lyric.  
Create an account and log in to configure and connect.



# How to use your Lyric T5 Wi-Fi Thermostat



# How to use your Lyric app



Interested in more Lyric products? Visit [yourhome.honeywell.com](http://yourhome.honeywell.com) to learn about all available products connected by the Lyric app.

App is regularly enhanced and may change.

# Get the most from Lyric T5 Wi-Fi Thermostat



## Diverse programming options that fit any lifestyle:

1. **Location-Based scheduling** – Lyric thermostat uses your smartphone's location to know when you're away, and saves you energy. Through geofence technology, it senses your return and helps make you comfortable upon arrival. You can also manually override your current setting when you'll be out for a few hours by using the Away button on the thermostat or in the app.
2. **Smart scheduling** – Use combination of Geo Fencing and time scheduling to fit a busy active schedule.
3. **Time-Based scheduling** – Programming type support for 7Day 1Day, 5-1-1, or 5-2 with 4 periods.
4. **No scheduling** – Control your comfort manually by adjustment of temperature set points only.



**Custom Shortcuts** for unique situations. Save the shortcuts you really like and they'll be available on your app any time you want. Customizable comfort has never been so simple.



**Smart Alerts.** Push notifications remind you of filter changes, warn you of extreme indoor temperatures or of your heating/cooling system failures.



**Adaptive recovery.** The Lyric thermostat learns your heating and cooling cycle times to deliver just the right temperature, right when you want it.



**Auto changeover.** When enabled, the thermostat automatically selects heating or cooling depending on the indoor temperature.

# Frequently Asked Questions

## **Will Lyric thermostat still work if Wi-Fi connection is lost?**

Yes, the temperature can be adjusted directly at the thermostat. However, some features, including shortcuts and geofencing, are managed only through the Lyric app and will not function while the connection is down. The Lyric thermostat will automatically reconnect to Wi-Fi once the network is restored.

## **Lyric thermostat is not finding the in home Wi-Fi network.**

Lyric thermostat operates in the 2.4GHz range. That may be why the Lyric thermostat does not see the network but the smartphone, which operates in both the 2.4 and 5.0 GHz range, sees the network. Most routers will broadcast two networks, one SSID on the 5.0 GHz radio and one SSID on the 2.4 GHz radio.

## **Can Lyric thermostat be used in a home that does not have Wi-Fi?**

Lyric thermostat can work as a basic thermostat without Wi-Fi. The key features, including location based temperature control and custom shortcuts, require a Wi-Fi connection.

## **Why does the screen on the Lyric thermostat go blank?**

When someone is not touching the thermostat, the display goes to sleep to conserve energy or to not disturb you at night. The thermostat can still be controlled through the Lyric app. Touching the thermostat screen wakes it up. You can adjust default display behavior in menu of the thermostat.

## **A change was made on the Lyric app but it has not shown up on the Lyric thermostat.**

There may be a short delay after making temperature and setting changes in the app.

## **Can there be multiple users for geofencing?**

Yes, there can be multiple users. Geofencing will trigger based on the last person to leave and the first person to return. To properly use geofencing with multiple users:

- Each user needs to create their own Lyric account.
- Each user should use their login ID and password across his or her devices, including smartphones and tablets.
- No two users should share the same account.

# Frequently Asked Questions

## **How are multiple users set up with Lyric thermostat?**

Access can be given to any or all Lyric thermostat locations through the Lyric app. Start by pressing the three-line menu icon in the upper left-hand corner of the home screen. Press the gear wheel next to the location name. Select Users and press + Add User located at the bottom of the screen. Type in the email address of the person to be invited. If they have a Lyric account set up, the location will be automatically added to their account. If they don't have an account, they will receive an email invitation prompting them to download the app and create their own account.

Note: All individuals with access to a thermostat share the same user privileges. Users added will be able to change the thermostat's settings and shortcuts, as well as add or delete other users.

## **Is there a way to extend the signal strength?**

The range or distance of the Wi-Fi signal is determined by the homeowner's router. Check the router's manual for additional information.

## **There is a alert that says Wi-Fi Signal Lost. What does that mean?**

The Wi-Fi signal to the Lyric thermostat has been lost. Wait for the thermostat to reconnect or select a new network within the Lyric app configuration menu. If the thermostat is unable to reconnect, you will need to troubleshoot the router to determine the cause.

## **Why is the thermostat showing up as offline (strike-through Wi-Fi icon) on top of right corner of thermostat display?**

If the Lyric thermostat displays a strike-through Wi-Fi icon on its screen or shows up as offline on the Lyric app, it has lost connection to the network. Make sure the router is powered and broadcasting. The home's Wi-Fi network may need to be reset by power cycling the router. Consult the router's instruction manual for directions on power cycling. When the network has been restored, the thermostat will automatically reconnect.

## **An activation email hasn't been received.**

An email will be sent from connected-Home@alarmnet.com. An activation email is needed to complete the Lyric account setup. If an activation email is not received after five minutes, check the Spam folder of the email account.

If you do not find it in the Spam folder, click on the Resend button and the activation email will be resent. If you still do not receive your activation email, please contact the Lyric Technical Support team at 1-800-633-3991 for help.

# 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.

## **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.

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.

# Notes

# Notes

# Lyric™

# Honeywell

Wi-Fi® is a registered trademark of Wi-Fi Alliance®

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