



Model: RT2-DC

Remote Thermostat - (2) AA Battery Powered

Installation Guide

Before you start

Review all instructions before starting to avoid discovering or creating any issues during installation. This remote thermostat is designed to be installed and powered by (2) AA batteries only.

This remote thermostat is designed to be installed by a licensed professional.

A Pelican Gateway must be used with this remote thermostat. The thermostat cannot be configured or managed without the gateway. We recommend installing the gateway prior to installing this product.

Installation location

NEVER INSTALL IN AN ENCLOSED METAL BOX OR ON A METAL SURFACE.

Do install in a location where it can communicate with the Pelican wireless mesh network.

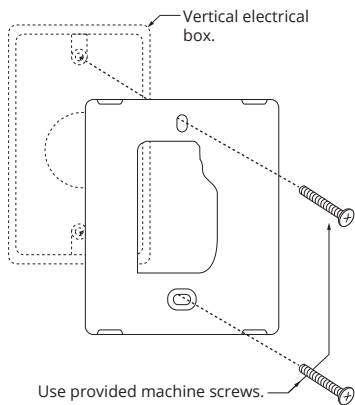
Do install 48" to 60" from the floor in the room where it will be monitoring or maintaining the temperature.

Do install on an interior wall away from doors, filing cabinets, electrical equipment, or other metal objects.

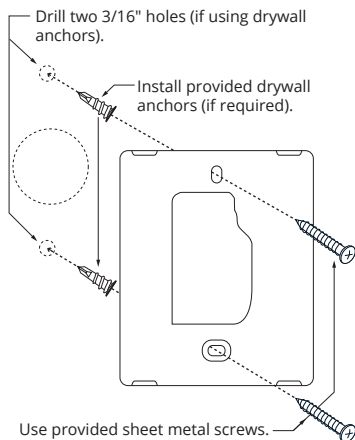
Install the thermostat back plate

Use the included screws to attach the thermostat to the wall following one of the examples below:

electrical box installation



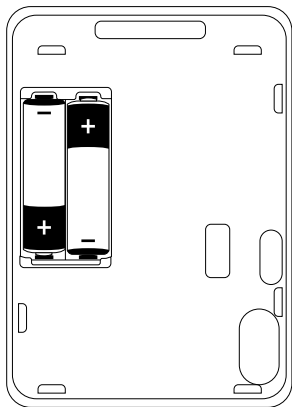
wall installation



Install batteries into thermostat front plate

The thermostat is powered by (2) AA batteries. Install batteries as shown on the battery holder and in the image to the right. When properly installed, the front display will change to show the Pelican logo and serial number and then will refresh to show the *Connecting to Pelican Network...* start-up screen.

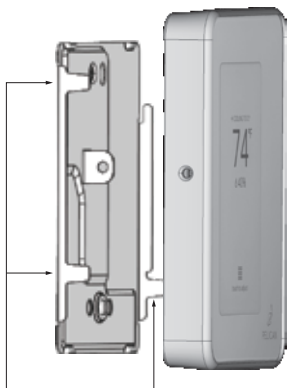
Go to pages 4 & 5 for additional information on the remote thermostat start-up process.



Attach the display

Before attaching the display, write down the serial number on the screen for use when configuring the thermostat.

Align the display with the back plate's alignment pins. Press into back plate until it clicks into place.



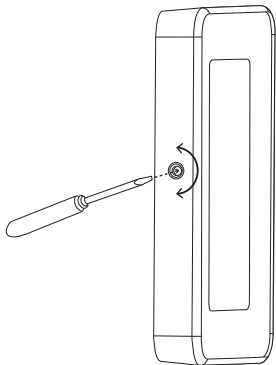
there are three (3) alignment pins found on the left and right sides of the base plate.

Optional: Tamper Resistant Lock

The thermostat contains an internal locking mechanism to secure the display to the back plate. This is intended to keep unauthorized individuals from tampering with the power and thermostat wire.

To engage the lock, assemble the thermostat and insert a 1/8" flat head screwdriver into the hole on the left side of the thermostat. Push in slightly and rotate 1/4 turn clockwise until reaching the stop. Remove the screwdriver from the hole.

To disengage, insert a 1/8" flat head screwdriver into the hole on the left side of the thermostat. Rotate 1/4 turn counter-clockwise until reaching the stop. Remove the screwdriver from the hole.

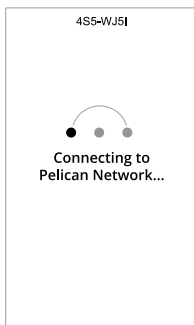


Do NOT force the display from the back plate otherwise damage may occur.

Start Up

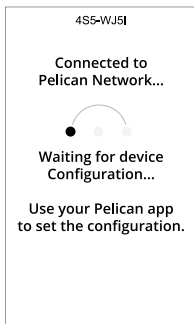
On start-up the remote thermostat will show the Pelican logo and serial number indicating it has power. Then it will begin its connection process to the Pelican wireless network and to the Pelican cloud server.

Once connected to the Pelican system, go to the Pelican Connect app to name and configure the device. The configurations will automatically push and the remote thermostat will begin operating in its normal state. The display will indicate which step it is in. If it is unable to complete a step, it will display the issue, which are explained on pages 6 – 8 of this installation guide:



Connecting to Pelican Network...

The thermostat is establishing a connection with the Pelican wireless network. The dots will highlight indicating that the thermostat is actively trying to connect with a Pelican network.



Connected to Pelican Network... Waiting for device Configuration...

The thermostat has established a connection with your Pelican app and is now waiting for its configurations.

To set configurations, use your Pelican Connect app.

Once configurations are set, they will automatically be sent to the remote thermostat.

4S5-WJ5I

Configuration
Received...



Finalizing Connection...

Configuration Received... Finalizing Connection...

The thermostat has received its configured and is finalizing any additional connection requirements. This is commonly associated with the remote thermostat establishing its wireless connection to its assigned master thermostat.

4S5-WJ5I



Connection Complete!

Connected Complete!

All network connections are successful and the remote thermostat is fully active.

ROOM TEMPERATURE

71°F

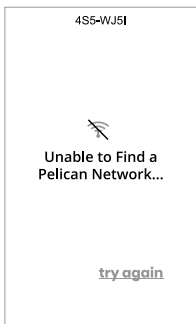


touch to adjust

Normal Operation

If the thermostat is displaying the room temperature, then it is communicating with a Pelican wireless network and server, it has received all its configurations, and is operating normally.

If the thermostat is unable to complete its start-up process, it will indicate which task failed. This section goes over what that error message means and some troubleshooting tips. If the below recommended troubleshooting tips do not progress the start-up process, contact Pelican Technical Support for further assistance at 888.512.0490.



Unable to Find a Pelican Network...

The thermostat was unable to discover a Pelican wireless network. To save battery, it has switched to a power saving mode. In the background it will automatically wake-up every few minutes and try to find a wireless network. If needed, you can expedite the re-discovery process by pressing the **try again** button.

If the thermostat is displaying this message, check the following:

1. Finish installing all your other Pelican devices to help establish a wireless network to this area of the building.
2. Confirm the thermostat is not installed in a metal enclosure and/or that there are no other type of wireless interfering materials surrounding it. Wireless can NOT communicate through metal.
3. Move the remote thermostat to a location where it can connect with the wireless network.
4. Install a Pelican repeater between the primary network and this portion of the building to help bridge the wireless network to this device.

4S5-WJ5I



Unable to Reach
Pelican Server...

[try again](#)

Unable to Reach Pelican Server...

The thermostat is connected to a Pelican wireless network, but was unable to connect with the Pelican cloud server. To save battery, it has switched to a power saving mode. In the background it will automatically wake-up every few minutes and try to reach the cloud server. If needed, you can expedite the re-discovery process by pressing the **try again** button.

If the thermostat is displaying this message, check the following:

1. Check the Pelican Gateway and make sure it has an active Internet connection.
2. Confirm the portion of the wireless network that this device is connected to is communicating with the wireless network the Pelican Gateway is on. If not, installing a Pelican repeater between the primary network and this portion of the building can help bridge the wireless network to this device.

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[try again](#)

Failed to Complete Connection...

The thermostat has failed to establish a wireless connection with its master thermostat. To save battery, it has switched to a power saving mode. In the background it will still automatically wake-up every few minutes and try to reach its master thermostat. If needed, you can expedite the re-discovery process by pressing the **try again** button.

If the thermostat is displaying this message, check the following:

1. Confirm the master thermostat is powered On.
2. Confirm the master thermostat and this remote thermostat are communicating on the same wireless network.
3. If these wireless devices are not part of the same wireless network or if the master thermostat is unable to reach the wireless network, installing a Pelican repeater between the devices or the two networks can help bridge the wireless network between these devices.

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Replace Batteries




Replace Batteries

If the batteries are low the display will indicate that they need to be replaced. Please follow the process on page 2 of this installation guide to replace the (2) AA batteries.

Once new batteries are installed in the remote thermostat, it will automatically re-connect with the Pelican wireless network and server. No additional steps should be required.

As it connects back to the network, reference pages 4 – 8 of this installation guide for further information. If it fails to connect or any other issues arise, contact Pelican Technical Support for further assistance.

Once the thermostat is fully operational, to access the info page touch *Touch to adjust* button on the main screen and then press the  icon in the upper right hand corner.

INFO ✕

Serial Number:
455-WJ5I

Thermostat Name:
Office 101

Configuration:
Remote Sensor

Master Thermostat:
Office 101

Model Number:
RT2-DC

[Sync with Cloud](#)

Serial Number

Is the unique identifier for this remote thermostat. Correlate this number on the Pelican Connect app to configure and name this thermostat.

Thermostat Name

This is a custom identifier for this remote thermostat. The name is set using the Pelican Connect app.

Configuration

This identifies the remote thermostat's current configuration. This configuration is set using the Pelican Connect app:

- Remote Sensor means this remote thermostat is linked as a secondary temperature sensor to a primary master thermostat. If set to this configuration you will see the section titled "Master Thermostat" in the info screen as well.
- Temperature Only means it is a temperature monitoring device and does not provide any control capabilities.

Master Thermostat

This identifies which master thermostat this remote thermostat is linked to.

Model Number

This is the model number of this remote thermostat.

Sync with Cloud

The remote thermostat will automatically sync with the Pelican Connect app anytime an update to its configurations are made. To save battery life, the device wakes-up every few minutes to perform syncs. In a situation where you need to force a sync, you can press the **Sync with Cloud** button.

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