

Home automation hub Installation and Setup Guide



Last modified: 10/10/17

Description

The Eaton Home Automation Hub (HOMECT) provides all device management services, supports Eaton Home user interface services, and acts as the gateway to the Cloud for system updates. The hub comes complete with the EatonOS preloaded. The controller also comes equipped with a Z-Wave (908.4 MHz) transceiver for controlling your other devices, such as integrated lighting, thermostats, sensors, and locks.

Note: Models are subject to change without notice.

WARNING: Any changes or modifications made to this product not expressly authorized by the manufacturer could void the user's right to operate this device.

Unpacking the Home Automation Hub

Remove all contents from the Hub packaging and ensure you have the following items.

- 1 x Home automation hub (p/n HOMECT)
- 1 x 5v micro USB power supply (p/n 950-5001-0)
- 1 x wall mounting kit (p/n 950-5002-0)
 - 1 x wall mounting bracket (p/n 200-1838-0)
 - 2 x long screws (8-32 x 5/16") (p/n 100-1834-0)
 - 2 x short screws (6-32 x 3/4") (p/n 100-1849-0)
- 1 x paper clip (p/n 950-5003-0)
- 1 x Quick Start Guide
- 5 x UUID/Mac identification labels

WARNING: Do not apply power to the HOMECT until installation is complete. Failure to do so may result in bodily injury and/or damage to the equipment.

Installation

We recommend placing the Home automation hub in an open centrally located area within the home, and using the included wall mount to attach the Home automation hub to a standard single gang box.

The Home automation hub should not be mounted in a structured enclosure, panel, or closet. If the Home automation hub is placed in a closed off area, the wireless signal strength may be compromised.

Note: To prevent radio frequency (RF) interference, we recommend that you place the Home automation hub away from devices that may cause interference and away from grounded metals.

Figure 1: HOMECT connections

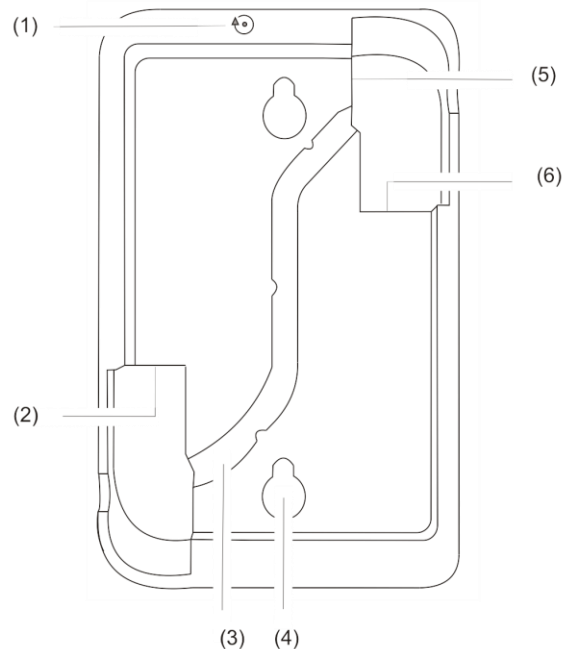


Figure 1

- | | |
|--------------------------|----------------------|
| (1) Recessed push button | (4) Wall mount slots |
| (2) 2 USB ports | (5) Micros USB port |
| (3) Wire routing channel | (6) Ethernet port |

Powering on and connecting the HOMECT

After installing the Home automation hub and downloading the Eaton App, power on the hub. The Home automation hub can be powered using PoE (sold separately) or the included 5v micro USB adapter.

WARNING: You must follow the instructions below to power your Home automation hub. Failure to do so may result in bodily injury and/or damage to the equipment.

To connect power to the HOMECT using PoE:

Note: PoE connection requires two Ethernet cables, they are referred to as cable #1 and cable #2.

1. Plug an Ethernet cable (#1) into the Ethernet port on your Home automation hub. See Figure 2, item 1.1.
2. Plug the opposite end of the cable into the PoE injector (sold separately) port labeled POE. See, Figure 2, item 1.2.
3. Plug a separate Ethernet cable (#2) into the LAN port on the PoE injector. See, Figure 2, item 2.1.
4. Plug the opposite end of the Ethernet cable (#2) into an Ethernet port on your router. See Figure 2, item 2.2.
5. Plug the PoE power supply into the D/C port on the PoE injector. See Figure 2, item 6.2.
6. Plug the PoE power supply into a wall outlet. See Figure 2, items 6 and 5.

Figure 2: HOMECT PoE connection

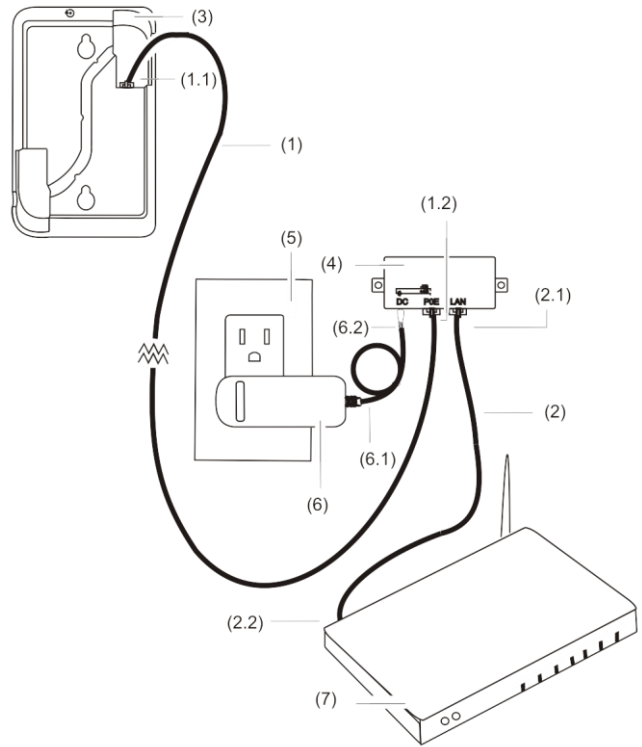


Figure 2

- | | |
|---|--|
| (1) Ethernet cable #1 | (2.2) Ethernet cable #2 connected to the Ethernet port on the router |
| (1.1) Ethernet cable #1 connected to the HOMECT Ethernet port | (3) HOMECT |
| (1.2) Ethernet cable #1 connected to the PoE port on the PoE injector | (4) PoE injector |
| (2) Ethernet cable #2 | (5) Wall outlet |
| (2.1) Ethernet cable #2 connected to the LAN port of the PoE injector | (6) PoE injector power supply |
| | (6.1) PoE injector power supply cable |
| | (6.2) PoE power supply connected to the DC port |
| | (7) Wireless router |

To connect power to the HOMECT using the micro USB:

1. Plug the micro USB end of the power adapter into the micro USB port on the upper-right rear corner of the Home automation hub See Figure 3, item 2.2.
2. Plug the power adapter's opposite end into a wall outlet. See Figure 3, items 2 and 3.
3. Check the LED on the top edge of the Home automation hub. It flashes red until Wi-Fi is configured. See Figure 6, item 1.

Figure 3: HOMECT 5v micro USB connection

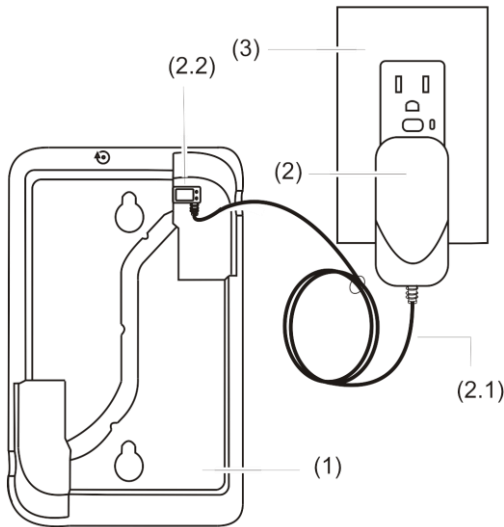


Figure 3

- (1) HOMECT
- (2) 5v micro USB power supply
- (2.1) 5v micro USB power supply cable
- (2.2) 5v micro USB plugged in to the HOMECT micro USB port
- (3) Wall outlet



Home automation hub Eaton Home setup

After the Home automation hub's installation, setup the connection.

There are two different setup options, PoE (Power over Ethernet) and Wi-Fi connection. Follow the steps according to how the Home automation hub is powered.

To connect your HOMECT using PoE:

Notes

- If the Home automation hub's LED is not solid blue after 90 seconds, see Troubleshooting on page 4.
 - Your Android or iOS device must be connected to your home network.
1. Download and open the Eaton Home App.
 2. Tap the **Inventory** icon , and then tap the **Settings** icon .
 3. The Locations dialog displays. Select the displayed project.



Note: The project displays as -- No project --. See Figure 4.

4. Enter the **PIN 1234** as prompted.
5. Tap outside of the Locations dialog box.
You are now ready to configure the project.

To connect your Home automation hub using Wi-Fi:

1. Download the Eaton Home App.
2. Ensure that the HOMECT is powered on, and then connect your Android or iOS device to the Eaton Wi-Fi (EatonWifi-XXXX).
3. Open the Eaton Home App, and then wait for network dialog to display.
4. Enter your home's Wi-Fi SSID and password as prompted, and then tap **Next**.
5. Follow the displayed instructions.
6. Wait for the LED to become solid blue, this can take up to 90 seconds.

Note: XXXX represents the last characters 4 of the units MAC address.

7. Reconnect your Android or iOS device to your home's Wi-Fi, and then re-open the Eaton Home App.
8. Tap the **Inventory** icon , and then tap the **Settings** icon .
9. The Locations dialog displays. Select the project -- No project --. See Figure 4.
10. Tap outside of the Locations dialog box, and then enter the **PIN 1234** as prompted.

You are now ready to configure the project.

Figure 4: Eaton Home project display

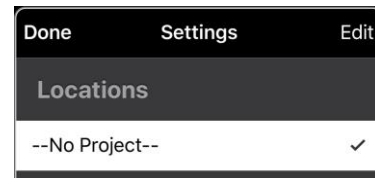




Figure 4

Configure, test, and deploy a project

Refer to the following instructions on creating, testing, and deploying devices. You can deploy the devices through your Eaton Home app.


Including Z-Wave device to Home Automation Hub:

For the Eaton Home mobile application, follow the following steps:

- Tap the **Inventory** icon  on the top right
- Select 'Devices' from the 'Configure' menu at the bottom of the screen
- Tap the **Inventory** icon  from the bottom of the screen
- Select the category of device you want to add to the controller. E.g.: **'Lighting'**
- Name the device you want to add and select the area you want. Tap 'Continue'
- Tap 'Start Discovery Mode' to put the device in inclusion mode.
- Follow the instructions with your Z-Wave device to put that device in pairing mode. Follow the instructions on the screen to complete the inclusion process.
- Once the device has been included, the app will allow you to configure the device settings. You can tap '<' icon to exit to the main screen.

Excluding Z-Wave device from Home Automation Hub:

For the Eaton Home mobile application, follow the following steps:

- Tap the **Inventory** icon  sign on the top right
- Select 'Devices' from the 'Configure' menu at the bottom of the screen
- Select the category of device you want to exclude from the network; the screen should show list of all the devices in that category.
- Tap '?' next to the name of the device you want to exclude. Tap 'Remove' from the drop down menu
- Tap 'Start Removal Mode' to put the controller in exclusion mode.
- Follow the instructions with your Z-Wave device to put that device in exclusion mode.
- Follow the instructions on the screen to complete the exclusion process.

Mounting the Home automation hub on a standard single gang box

When mounting the Home automation hub to the desired gang box, we recommend using the provided wall mounting bracket.

To mount the Home automation hub on a standard single gang box:

1. Place the wall mount against a standard gang box. See Figure 5, items 1 and 3.
2. Align the long screws in the wall mount, and then fully screw them in. Repeat this with the short screws, stopping with enough room remaining to support the Home automation hub. See Figure 5, items 4 and 5.
3. Align the Home automation hub over the screws, and then slide it down, locking it in place. See Figure 5, item 6.

Figure 5: Home automation hub wall mounting

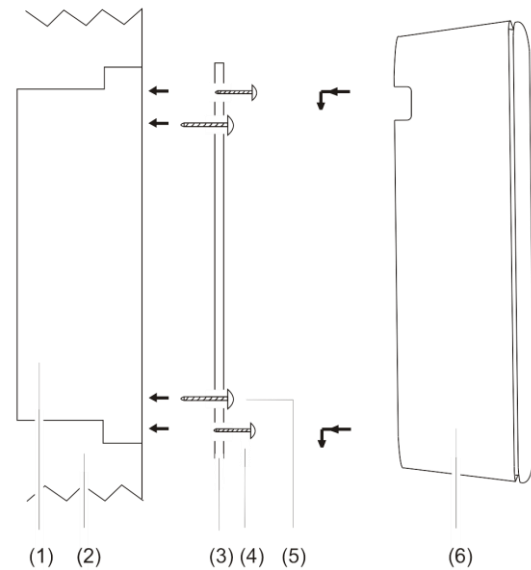


Figure 5

- | | |
|----------------|-------------------------|
| (1) Gang box | (4) Short screws |
| (2) Wall | (5) Long screws |
| (3) Wall mount | (6) Home automation hub |

Understanding LED colors and the Home automation hub status

The Home automation hub has LED indicators that change colors based on the Home automation hub's status. Once powered on, observe the Home automation hub's LED status. Figure 6 identifies the LEDs on the Home automation hub.

Note: The Eaton Home connection can take up to 90 seconds. Wait the full 90 seconds before attempting to troubleshoot.

Blue

- When the LED flashes blue in 1 second intervals, the device is booting normally.
- When the device is solid blue after booting up, the device is functioning properly.
- When the LED flashes blue in .5 seconds intervals, the HOMECT is unable to connect to the internet.

Red/Blue

- **Alternating:** When the LED flashes red and blue in .5 second intervals, the Home automation hub is restarting in Access Point (AP) mode.
- **Flashing in unison at .5 second intervals:** The Home automation hub is updating.

Red/not lit

- When the LED flashes red in .5 second intervals, the Home automation hub is in AP mode.
Note: When the controller is in AP mode, it creates its own wireless network.
- When the LED is red or not lit, see the troubleshooting steps on page 4.

Figure 6: Home automation hub top-edge

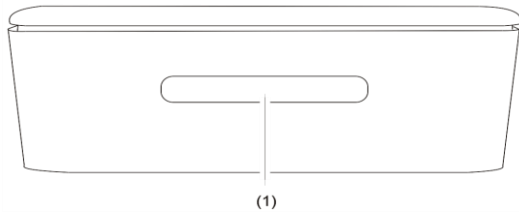


Figure 6

(1) LEDs – Illuminates solid blue when operating normally

Troubleshooting steps

When the Home automation hub is not functioning properly, use the LED table and troubleshooting steps below.

LED display	Troubleshooting
Blinking red in 2 second intervals	<p>The Home automation hub is not connected to your local network.</p> <ul style="list-style-type: none"> The Eaton Home connection may take up to 90 seconds. Wait the full 90 seconds before shutting off/rebooting the Home automation hub. Ensure that there is internet in the home, reset the router, and then shut down and restart the Home automation hub. Ensure that the SSID is correct. Shut down and restart the Home automation hub, re-enter the SSID, and wait for connection.
Solid red	<p>Eaton OS is not operational.</p> <ul style="list-style-type: none"> Check the network connectivity. If there is no connection, restart the network. If there is connection, shut down and restart the Home automation hub.
Not lit	<p>There is no power connected to the hub, or the is shut down.</p> <ul style="list-style-type: none"> Check that the power supplies are plugged in and wired correctly.

To shut down the Home automation hub:

1. Locate the recessed push button on the Home automation hub. See Figure 1, item 1.
2. Insert the paper clip (provided) pressing the button down and holding for 5 seconds. See Figure 7.
3. Remove the paper clip and observe the LED behavior. The Home automation hub's LED indicators alternate red and blue signifying it has started shutting down.
4. After the Home automation hub shuts down, disconnect the Home automation hub's power supply.
5. Reconnect the power supply and verify that the hub restarts. Continue with installation and setup.

To reset the Home automation hub and enter AP mode:

1. Locate the recessed push button on the Home automation hub. See Figure 1, item 1.
2. Insert the paper clip (provided) pressing the button down and holding for 20 seconds. See Figure 7.

3. Remove the paper clip and observe the LED behavior. The HOMECT's LED indicators alternate red and blue signifying it has entered the reboot state.
4. Once the Home automation hub boots and the LED flashes red in .5 second intervals, it is in AP mode. Continue with installation and setup.

Note: If this controller is the primary controller for your network, resetting it will result in the nodes in your network being orphaned and it will be necessary after the reset to exclude and re-include all of the nodes in the network. If this controller is being used as a secondary controller in the network, use this procedure to reset this controller only in the event that the network primary controller is missing or otherwise inoperable.

Figure 7: Paper clip pressing the recessed push button

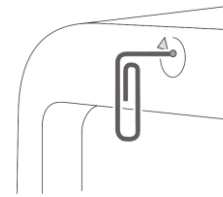


Figure 7

Other things to check when troubleshooting:

- Ensure that the home has internet connection.
- If the SSID menu closes before it has successfully connected, you must shut down and restart the Home automation hub.

If the problem persists after following the troubleshooting steps, please contact tech support.

Specifications

I/O ports	
USB	2
General	
Processor	Broadcom ARM7
Operating system	Linux
Memory	1 GB DRAM, 8 GB Flash
Power	3.5 W (700 mA at 5 VDC)
Operating temperature	41 to 113°F (5 to 45°C)
Relative humidity	10 to 90%, non-condensing
Dimensions (W x H x D)	3.85 x 5.98 x 1.32 in. (9.77 x 15.18 x 3.35 cm)

Regulatory information

Manufacturer	Eaton Electrical Sector 203 Cooper Circle, Peachtree City, GA 30269
FCC compliance	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.

Warranty information

Eaton offers a three (2) year limited warranty on original Eaton components, from the date of shipment from Eaton. To view complete limited warranty details, including limitations and exclusions, www.eaton.com/wiringdevices

Installation and Setup Guide:
Scan code to view the installation &
setup guide for more information.



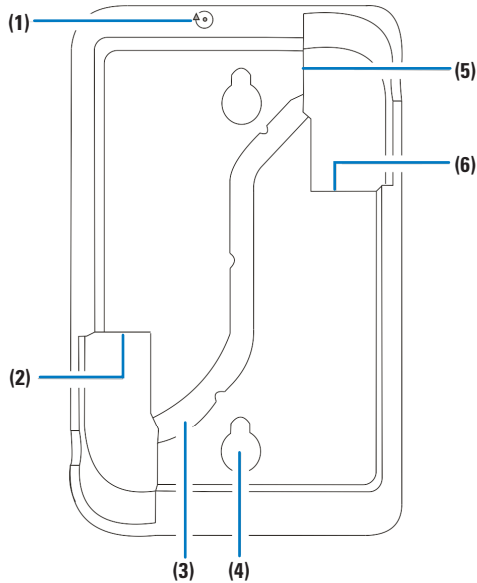
Contact information

Eaton
Electrical Sector
203 Cooper Circle, Peachtree City, GA 30269

www.eaton.com/wiringdevices

Technical Support (Eaton Care): 866.853.4293
techsupport@eaton.com

Product Details



- (1) Recessed push button
- (2) 2 USB ports
- (3) Wire routing channel
- (4) Wall mount slot
- (5) Micro USB port
- (6) Ethernet port

Troubleshooting

LED Indicators

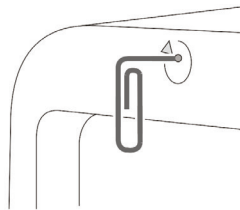
LED Display	Troubleshooting
Solid Blue	Everything is working correctly.
Blinking Red in 2 second intervals	The controller is not connected to your home network. Shutdown and power cycle the controller.
Solid Red	ControllerOS is not operational. Shut down and power cycle the controller.
Not Lit	There is no power connected to the controller. Check that the power supplies are plugged in and wired correctly.

When the controller reboots, it can take up to 25 seconds to successfully restart in *AP mode.

To shut down the controller, use the provided paper clip to press and hold the recessed push button down for 5 seconds.

To shut down controller and power cycle in AP mode, use the provided paper clip to press and hold the recessed button down for 20 seconds.

**AP mode: when the controller is broadcasting local wi-fi for installation purposes.*



Additional Information and Support

Installation and Setup Guide:

Scan code to view the installation & setup guide for more information.



Warranty Information

Eaton offers a two (2) year limited warranty on original Eaton Home Automation Hub components, from the date of shipment from Eaton. To view complete limited warranty details, including limitations and exclusions, visit www.eaton.com/wiringdevices. Scan the code above to view product warranty details.

Support

For technical issues and additional support, please contact Eaton Care at: techsupport@eaton.com or by phone (866) 853-4293

For more information visit:
www.eaton.com/wiringdevices



Eaton
Peachtree City, GA 30269
866-853-4293

EATON

Home Automation Hub



Quick-Start Guide



Thank You!

In today's competitive market place, we understand that you have many choices for your home automation needs. Thank you for choosing the Eaton Home Automation Hub.

Included in the Box



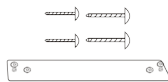
Controller



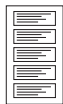
Micro USB power supply



Paper clip



Mounting bracket and screws



UUID/Mac identification labels



Quick Start Guide

Optional: Power over Ethernet (PoE) injector
(Not included, purchased separately. Part #: RFPOE)

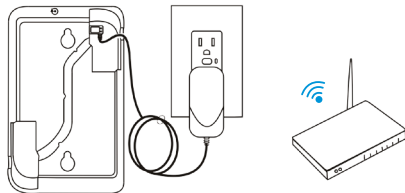
Recommended Tools

- #2 Phillips head screwdriver (for installing mounting bracket)
- Needle nose pliers (for inserting micro USB plug into the controller)



Installation Option 1: Wi-Fi

To connect to the Eaton Home Automation Hub you must have the Eaton Home App, and access to your home's Wi-Fi.



Step 1 - Use pliers to plug USB power supply into controller.

Step 2 - Plug USB power supply into wall outlet.

Step 3 - Download the Eaton Home App from the Apple App Store or Google Play Store.

Step 4 - Open the Eaton Home App & connect your Android or iOS device to the Eaton Access Point Wi-Fi (Eaton Wi-Fi XXXX) through the Wifi settings menu on your device.

Note: XXXX represents the last 4 characters of the unit's MAC address. It can take up to 2 minutes for the Eaton Wi-Fi to appear.

Step 5 - Open the Eaton Home App.
a. Enter the home's Wi-Fi SSID and password, tap Next.


b. Follow the displayed instructions.

c. Wait for the LED to become solid blue, this can take up to 90 seconds.

Note: If the LED does not change to solid blue, see the Additional Troubleshooting panel or the Installation and Setup Guide.

(steps continued...)

Step 6 - Reconnect your Android or iOS device to your home Wi-Fi, and then re-open the Eaton App.

a. Tap , and then tap .

b. Select the project – No project – (EatonHome).

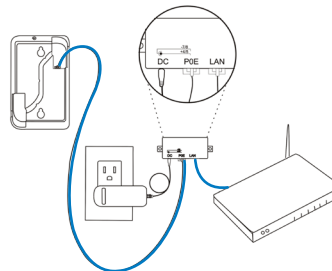
c. Enter the PIN 1234 when prompted.

d. Tap outside of the Locations box or tap Done. You are now ready to use your controller.

Installation Option 2: Power over Ethernet



(PoE injector requires separate purchase— Part #: RFPOE). To connect to the Eaton Home Automation Hub you must have the Eaton Home App, and access to your home's Wi-Fi.

Simple Setup Using Wired Connection



Step 1 - Connect the controller to the PoE injector

Step 2 - Connect the injector to the router, and then connect the injector to the power supply.

Step 3 - Download, and then open the Eaton Home App.
a. Tap , and then tap .

(steps continued...)

b. The Locations dialog displays. Select the displayed project.

Note: The project displays as – No project – (EatonHome).

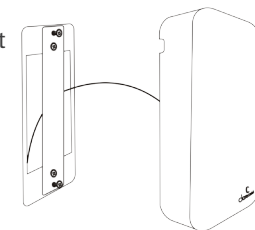
c. Enter the PIN 1234 as prompted.

d. Tap outside of the Locations box or tap Done. You are now ready to use the controller.

To Mount the Controller to Wall

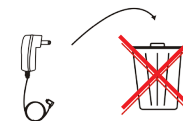
Step 1 - Attach the mounting bracket to the gang box.

Step 2 - Plug in the controller, and then slide it on to the mounting bracket.



Note:

- Do not throw away the micro USB power supply used for Wi-Fi, it may be required for other features.
- If the controller fails to connect see the Installation and Setup Guide, scan the QR code below.



Installation and Setup Guide:
Scan code to view the installation & setup guide for more information.
www.eaton.com/wiringdevices

