



Installer/User Manual

HeatLink Group, Inc.
www.heatlink.com

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Overview

The HeatLink® 46801 Wireless Thermostat has an easy to use interface, and a sleek modern design. It must be used with the 43301 Wireless Internet Gateway (sold separately) and can be configured to work with a variety of radiant heating systems.

The HeatLink® Smart System can be configured with an internet connection (Online), or without (Offline). The free HeatLink® App must be downloaded to your Apple or Android device for use with your Online Smart System.



In order to use the app you must first create a profile. Follow the in app instructions to set up your profile.

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Product Compliance

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 or more 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.

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

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.

This device complies with Industry Canada's licence-exempt RSSs. 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.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

(1) l'appareil ne doit pas produire de brouillage, et

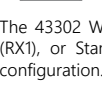
(2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

System Components

Additional components may be necessary to operate your HeatLink® Smart System. For details on component operation and installation, see the individual user guides, or the L3715 Smart System Installation Manual.



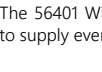
A 43301 Wireless Internet Gateway (sold separately) is needed for all HeatLink® Smart Systems to function.



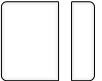
The 43302 Wireless Relay can be configured as a Boiler Relay (RX1), or Standalone Relay (RX2) depending on your system configuration.



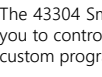
The HeatLink® 46801 Wireless Thermostat has an easy to use interface, and a sleek modern design. It can be configured to work with a variety of radiant heating systems.



The 56401 Wireless Valve Actuator is easily installed on a radiator valve to supply even heat to a room. Can be used in Online or Offline systems.



The 43303 Door/Window Sensor requires an Online system to operate, and allows you monitor your home windows and doors, as well as set custom programs for system operation (using the app).

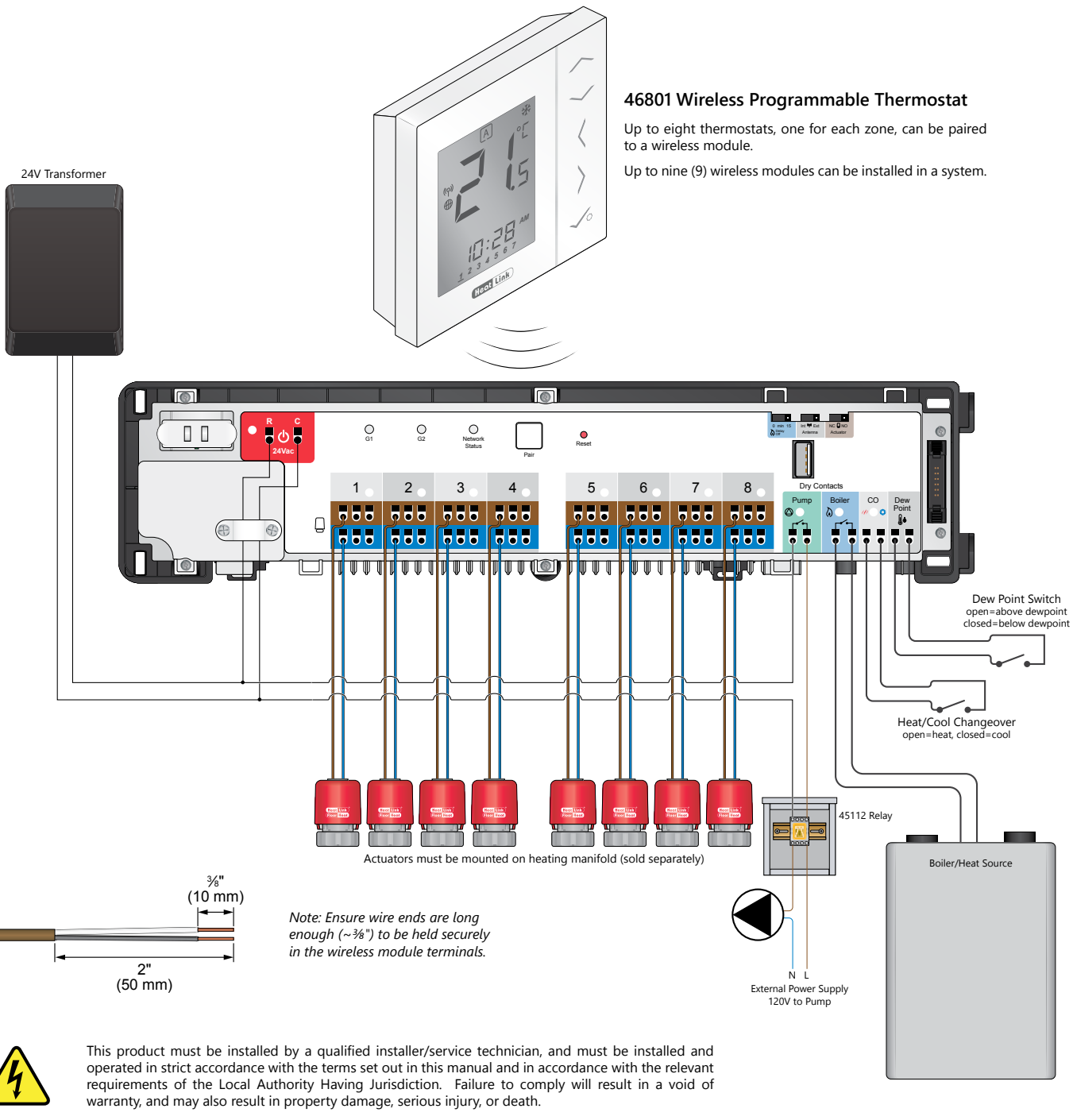


The 43304 Smart Plug requires an Online system to operate, and allows you to control the on/off function of lights and some electronics, and set custom programs for system operation (using the app).

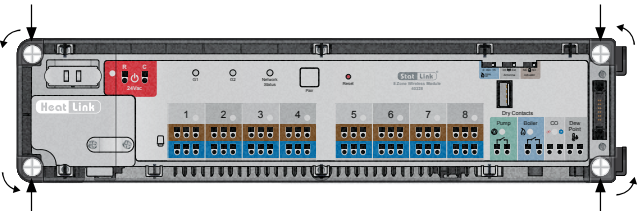
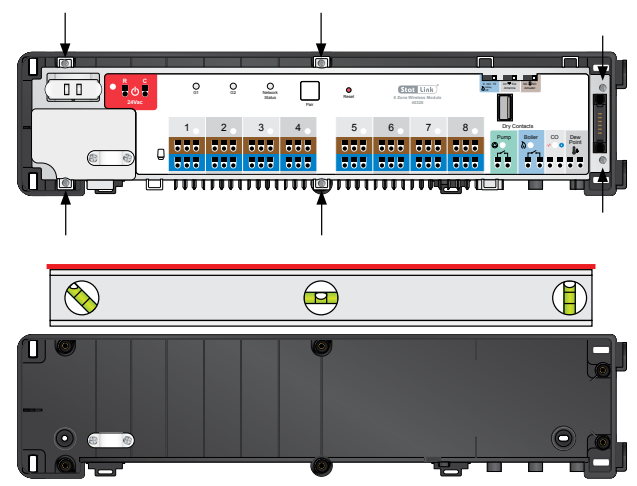
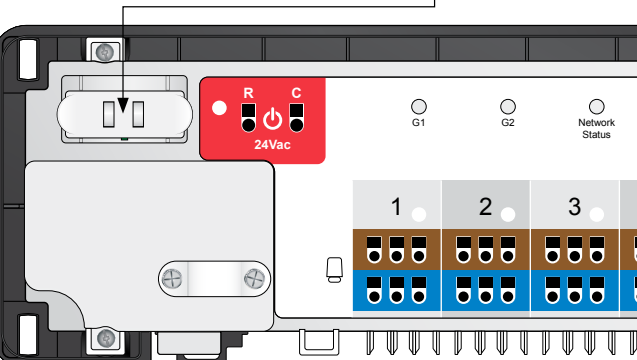
LED Indications 40328 - 8 Zone Wireless Wiring Module

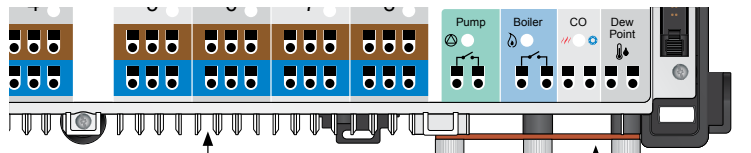
Power		40328 is supplied with 24Vac
G1		Wireless network activity on Group 1 thermostats
G2		Wireless network activity on Group 2 thermostats
Network Status		Single flash: waiting to pair / Double flash: left network
		40328 is connected to the wireless network
Zone 1 Actuator(s)		Actuator is activated
Zone 2 Actuator(s)		Actuator is activated
Zone 3 Actuator(s)		Actuator is activated
Zone 4 Actuator(s)		Actuator is activated
Zone 5 Actuator(s)		Actuator is activated
Zone 6 Actuator(s)		Actuator is activated
Zone 7 Actuator(s)		Actuator is activated
Zone 8 Actuator(s)		Actuator is activated
Pump		Pump is on
Boiler		Boiler is on
CO (Change Over)		Heating mode
		Cooling mode

Installation & Wiring



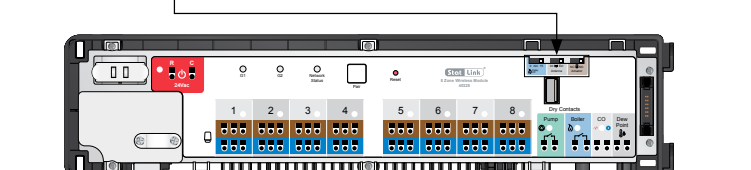
Installation



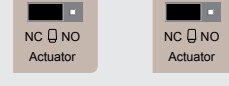
- The HeatLink® StatLink® 8 Zone Wireless Module connects with your wireless thermostats using the Wireless Internet Gateway, allowing you to easily control up to 24 actuators in 8 zones (3 per zone).
- StatLink® 8 Zone Wireless Modules should be installed in a location that is accessible, clean, and dry - do not mount the StatLink® 8 Zone Wireless Module below your piping or manifolds! Any water could damage the Wireless Module and cause electrical shorts or fire.
- Step 1** Ensure that the wiring module is complete and not damaged.
- Step 2** Remove the outer cover by using a large Phillips or flat heat screwdriver to turn each of the white screws one quarter turn counter-clockwise, then lift off.
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- Step 3** If mounting using the included DIN rail, attach the DIN rail to the wall or backing board in an appropriate location, ensuring it is level.
- Step 4** If mounting the StatLink® 8 Zone Wireless Module directly to the wall or backing board, unscrew the terminal block from the casing and attach to the wall or backing board, ensuring it is level.
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- Step 5** Replace the terminal block into the black casing, securing all screws.
- Step 6** Ensure the fuse is in place; remove fuse holder to verify (4A 5×20mm F4A4250VP).
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- Step 7** Wire up to 3 actuators per zone, or 12 if using connectors; a total of 12 actuators can be wired to each module.
- Step 8** Wire your pump, boiler, change over valve and humidity sensor, if applicable.
- Step 9** Wire the 24V plug-in transformer (sold separately) to the wiring module.



Step 10 Clip all wires into the strain reliefs, and install strain relieving strip to secure pump, boiler, CO, and dew point wires

Step 11 Set the jumpers in the desired positions by carefully removing them, and reinserting them as necessary:



Switch	Function	Diagram
Boiler Off Delay	Sets the delay time for switching the boiler off to 0 minutes (default), or 15 minutes. The pump/boiler on delay and the pump off delay are fixed at 3 minutes.	
Wireless Connection	Sets the wireless connection to internal "INT" (default), or external "EXT" (optional external wireless antenna 43305)	
Actuator Type	Selects the type of actuator being used - Normally Closed "NC" (HeatLink default), or Normally Open "NO"	

Step 12 Connect optional external antenna if necessary.

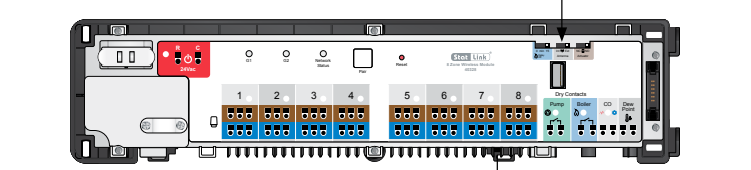
Step 13 Plug in the Wireless Module.

Installation - External Antenna (Optional)

The StatLink® 8 Zone Wireless Module features an internal wired antenna which is suitable for most applications, but has an optional external antenna with magnetic base available, in order to extend the range or overcome radio interference, or can be used when the module is installed in a metal cabinet, which may interrupt the signal.

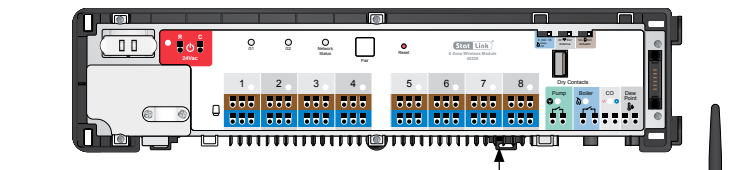
Step 1 Ensure the StatLink® 8 Zone Wireless Module is disconnected from the power source.

Step 2 Set the wireless connection jumper to EXT.



Step 3 Remove the rubber cap from the external antenna port on the bottom of the StatLink® 8 Zone Wireless Module.

Step 4 Screw the antenna into the port.



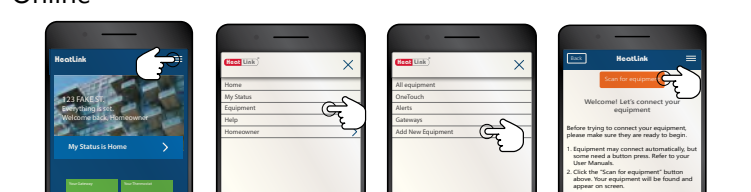
Step 5 Place the antenna in the desired location away from any possible causes of radio interference.

Step 6 Reconnect the power.

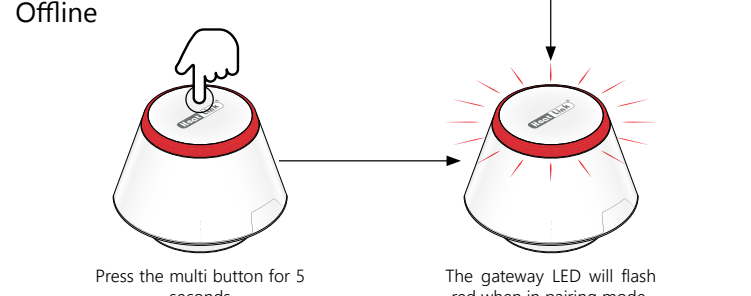
Device Pairing

In order to add devices to your system, the Gateway must be put into Pair Mode. The steps are slightly different for Online and Offline systems - ensure that you follow the instructions below. For device specific pairing instructions, see the appropriate instruction sheet, or the L3715 Smart System Installation Manual, available on www.heatlink.com

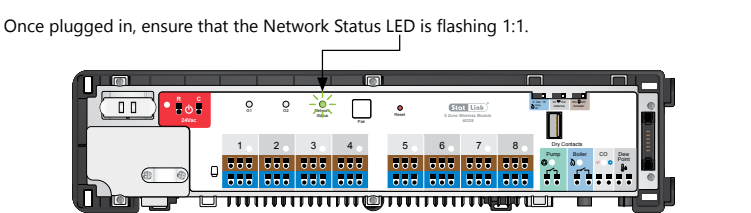
Online



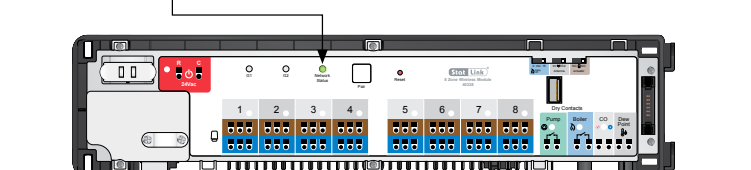
Offline



Once plugged in, ensure that the Network Status LED is flashing 1:1.



The 40328 Wireless Wiring Module will pair automatically with your system. The Network Status LED will turn solid green.

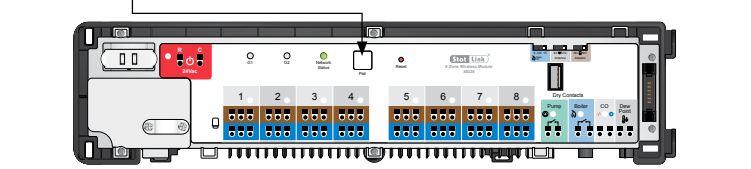


See the 46801 Wireless Thermostat instructions or the L3715 to pair your thermostat with the system.

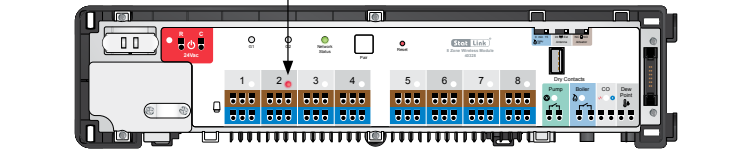
Wireless Module ID Number

When installing multiple Wireless Modules you need to keep track of them to ensure your thermostats are paired to the correct zones.

Step 1 After the Wireless Module is paired to the Gateway, press the Pair button briefly.



Step 2 The Zone LED that corresponds to the module number will flash briefly (ie. zone 1 = wireless module 1, zone 2 = wireless module 2, etc. The Network Status LED is used to identify module 9). The Wiring Modules are assigned numbers automatically based on the order in which they pair with the Gateway.

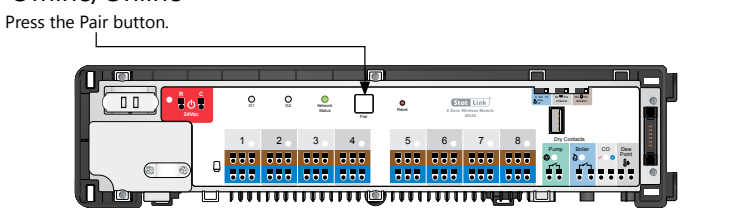


ID Mode

ID mode can be used to identify the devices connected to your system during pairing, troubleshooting, or maintenance, and can be accessed from any device in either an Online or Offline system, or also from the app in an Online system.


Offline/Online

Press the Pair button.



The Network Status LED and all connected devices will flash for 10 minutes, or until ID mode is exited. To exit ID mode, press the Pair button once.

Online



Select the thermostat or other device you want to ID.

Tap the name of the device.

Tap the identify icon

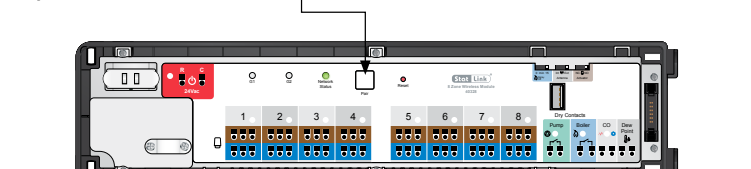
The device will start flashing.

Tap again to exit ID mode.

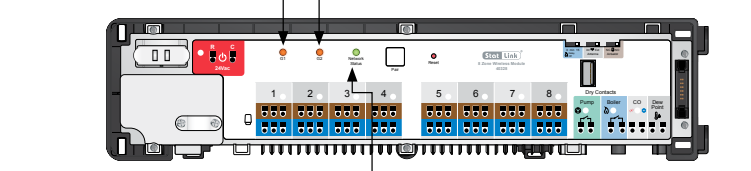
Reset StatLink® 8 Zone Wireless Module

Note: When deleting devices from the wireless network, you must delete all connected devices first. ie. Before deleting the StatLink® 8 Zone Wireless Module be sure to delete the thermostats and Wireless Relays connected to it first. Use the app for online, or reset devices manually for offline.

Step 1 Press and hold the Pair button for 20 seconds.



Step 2 The G1 and G2 LEDs will flash red, turn solid red, then go off (~15 seconds).



Step 3 The Network Status LED will flash 2:1. Unplug the device, or press Reset to complete the reset process.