



# 5800ZBRIDGE

## Z-Bridge Module

### INSTALLATION AND SETUP GUIDE

#### GENERAL INFORMATION

5800ZBRIDGE is a wireless, intelligent energy management device that provides an interface between Z-Wave Modules and Honeywell LYNX Security Systems and VISTA Control Panels that are equipped with RF keypads or a Honeywell 5883H Receiver.

**Note:** The 5800ZBridge is not compatible with the 5800TM module.

#### Features

- Automatically set back Z-Wave enabled thermostat when security system is Armed AWAY.
- Automatically turns lights off when security system is Armed AWAY.
- Sends run command to Z-Wave enabled thermostat when security system is Disarmed.
- Automatically turns lights on when security system is Disarmed.
- Alarm Status light: Ready, Armed Away and Stay.
- Will function with any Z-Wave device

#### MOUNTING

1. Determine the optimum mounting location taking care to avoid damp locations. To maximize the transmitter's range, avoid mounting the device to metal objects, if possible. The module should be located a maximum of 6 feet from an unswitched 120VAC outlet.
2. Open the 5800ZBRIDGE case as shown in Figure 1.
3. Mount the 5800ZBRIDGE using the provided screws. (Refer to Figure 2)

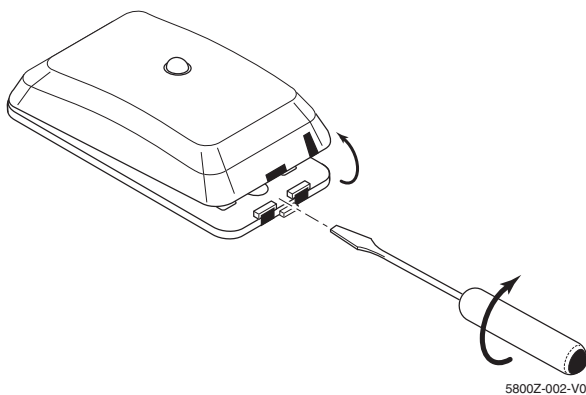


Figure 1. Opening the 5800ZBRIDGE

#### POWER UP MODULE

1. Plug in 12VDC power supply, LED flashes ORANGE 3 times and then goes out. (Refer to Figure 2)

#### PROGRAMMING

**Note:** When programming the module, ensure that the security system is disarmed. Ensure that the House ID is enabled in the panel programming.

#### Enroll RF House ID Code into Module

1. Press SW5 LEARN switch for 1 second and release. The LED will begin flashing ORANGE.
2. Disarm or Arm the control panel. The LED will stop flashing ORANGE and the color will follow status of the control panel.

**Note:** The module will time out of program mode after 3 minutes if no RF House ID code is enrolled.

Table 1 - 5800ZBRIDGE LED Indications

LED Status	Indication
Flashing Red	Armed AWAY
Steady Red	Armed STAY
Solid Green	Ready
Flashing Orange	ALARM/Panic

**Note:** Following an alarm, the User Code must be entered twice and the keypad must go to ready in order for the Z-Bridge Module to release thermostat setback and/or turn on lights.

#### Enroll (include) Devices in Z-Wave Modules into 5800ZBRIDGE module

1. Press the corresponding switch (SW1 through 4) for 1 second and release for any combination of four Thermostats or Lights. (Refer to Figure 2)
- Note:** The LED will flash RED three times if you try to enroll a Z-Wave device that has already been enrolled in the 5800ZBRIDGE.
2. The 5800ZBRIDGE LED will begin flashing Green.
  3. Press button on the respective Z-Wave device to learn (include) the device. The 5800ZBRIDGE LED will stop flashing GREEN and return to status of control panel.
  4. Repeat for each Z-Wave device as applicable.

**Note:** The module will time out of program mode after 3 minutes if no Z-Wave device in enrolled (included).

## OPTIONAL PROGRAMMING

### Reset 5800ZBRIDGE Module

**Note:** Resetting the module will not delete Z-Wave modules from the 5800ZBRIDGE.

1. Disconnect the 12VDC power supply.
2. Press and hold SW5 LEARN switch and then plug in 12VDC power supply. LED flashes Orange 5 times and then goes out.
3. Release switch SW5. RF House ID code has been deleted and 5800ZBRIDGE has been deleted (excluded) from the Z-Wave network.
4. Unplug the 12VDC power supply and plug it back in to the 5800ZBRIDGE.
5. Program the 5800ZBRIDGE in accordance with the PROGRAMMING section.

### Deleting (excluding) Z-Wave modules/devices

Delete (exclude) Z-wave modules/devices from the 5800ZBRIDGE when they are no longer required.

1. Press and hold (5 seconds) the SW1, SW2, SW3 or SW4 switch as applicable to remove a device.
2. Release the switch.
3. The 5800ZBRIDGE LED will begin flashing RED.
4. Press the Z-Wave device to allow host to delete (exclude) the module.
5. The LED will stop flashing RED and return to status of security panel.

## TESTING

1. Test each device by arming and disarming security system. Refer to Table 2 for System Operation.

## NORMAL OPERATION

1. When the Security System is armed or disarmed it will operate as noted in Table 2.
2. If the Security System has gone into alarm the 5800ZBRIDGE LED will flash ORANGE. To reset the module you will need to clear the Alarm by disarming the system two times (enter two OFF sequences via the keypad or keyfob).

**Table 2 – ZBRIDGE System Operation**

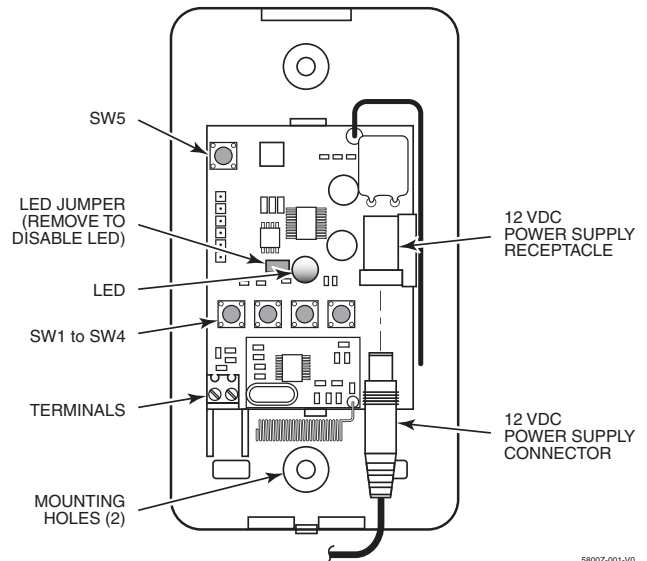
Armed AWAY	=	Thermostat Set back/ Energy Save mode Lights OFF
Armed STAY	=	Thermostat normal/run mode Lights ON
Disarm	=	Thermostat normal/run mode Lights ON

## MANUAL OPERATION

Connect a Relay or Dry Contact between screw terminals on the 5800ZBRIDGE. This will activate the device and send the Z-Wave setback command. The LED will indicate the system operation by illuminating as follows:

RED = Sent Setback command

GREEN = Sent Release Setback command



**FIGURE 2. 5800ZBRIDGE**

## OPTIONAL ZWAVE PROGRAMMING

### Include/Exclude/Receive Primary Role of 5800ZBRIDGE to/from another Z-Wave Network

1. Set another Z-Wave controller into Include, Exclude, or Controller Shift mode.
2. Press and hold SW1 and SW2 on the 5800ZBRIDGE for 5 seconds. The LED will blink between GREEN and ORANGE.

**Note:** The LED will blink until process finishes or times out (5 seconds).

3. If the process:
  - is successful, the LED will turn GREEN
  - times out, the LED stops blinking
  - fails, the LED will turn RED

**Note:** If the Z-Bridge has been removed from a network it is recommended the user/installer reset the Z-Bridge device.

### Relinquish (shift) Primary Role to another control within a Z-Wave Network

1. Press and Hold SW3 and SW4 on the 5800ZBRIDGE for 5 Seconds, LED will alternately blink RED and ORANGE.
2. Put other Z-Wave controller into Learn Mode

**Note:** The LED will blink until process finishes or times out (30 seconds).

3. If the process:
  - is successful, the LED turns GREEN
  - times out, the LED stops blinking and returns to the previous state (before pressing the switch).
  - fails, the LED turns RED.

### Include Z-Wave device to Z-Bridge Mesh General

1. Press and hold SW1 and SW4 on the 5800ZBRIDGE for 5 Seconds. The LED will turn Green.
2. Put the target Z-Wave device into learn mode to allow the host to learn

3. LED on 5800ZBRIDGE will flash GREEN three times and then return to status of security panel.
4. If process times out (3 Minutes) the LED will flash red three times.
5. Repeat for each Z-Wave device as required.

### LED OPERATION

Once programming is complete the LED can be disabled by removing the adjacent jumper.

### FREQUENTLY ASKED QUESTIONS AND TROUBLESHOOTING

Question	Answer
How many devices can the 5800ZBRIDGE control?	5800ZBRIDGE can control up to four (4) Z-Wave devices
When I press the first 5800ZBRIDGE button the light flashes red one time and stops?	Unplug the unit and plug it back in.
After the System goes into alarm I entered the code but the 5800ZBRIDGE still blinks orange?	The System needs to have a green ready on the keypad, you need to disarm the system again to clear the memory.

### SPECIFICATIONS

#### Dimensions:

4.5" H x 2.75" W x 0.25" D (114.3 mm x 69.85 mm x 6.35 mm)

#### Electrical

12VDC Power Supply

Operating Current 29-31mA

#### Environmental Conditions:

14° to 122°F (-10° to 50°C)

<90% RH (non-condensing)

#### Frequency

345 MHz (from 5800 Series RF House ID Code receiver)

908.42 MHz (from Z-Wave controller)

#### Range

Up to 100 feet (30.48 m) using 5800 Series wireless devices and 75 feet (22.86 m) from Z-Wave devices.

#### Supports:

Any combination of up to four Z-Wave enabled thermostats or Z-Wave enabled light devices

#### Compatibility:

Honeywell LYNX Series Controls, 5883H, 6160RF and 6150RF Keypads produced after March 2007 (P/N SA6150RFAS-T3 Printed Circuit Board) and Z-Wave enabled thermostats and light devices

**Note:** The Honeywell Z-Bridge is a certified Z-Wave controller and can be operated in one Z-Wave network with Z-Wave certified devices from other manufacturers. The different listening nodes within the network may act as repeaters regardless of vendor. The Z-Bridge controls devices through use of the Basic Command Class, the Z-Bridge controller does not respond to or map received basic command to any functions.

## FCC and Industry Canada Statement

### Federal Communications Commission (FCC) Part 15

The user shall not make any changes or modifications to the equipment unless authorized by the Installation Instructions or User's Manual. Unauthorized changes or modifications could void the user's authority to operate the equipment.

### CLASS B DIGITAL DEVICE STATEMENT

NOTE: 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.

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

### FCC IC Statement

This device complies with Part 15 of FCC Rules and RSS 210 of Industry Canada. 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.

Cet appareil est conforme à la partie 15 des règles de la FCC & de RSS 210 des Industries Canada. Son fonctionnement est soumis aux conditions suivantes: (1) Cet appareil ne doit pas causer d'interférences nuisibles. (2) Cet appareil doit accepter toute interférence reçue y compris les interférences causant une réception indésirable.

## WARRANTY INFORMATION

For the latest warranty information, please go to:

[www.honeywell.com/security/hsc/resources/wa](http://www.honeywell.com/security/hsc/resources/wa)



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