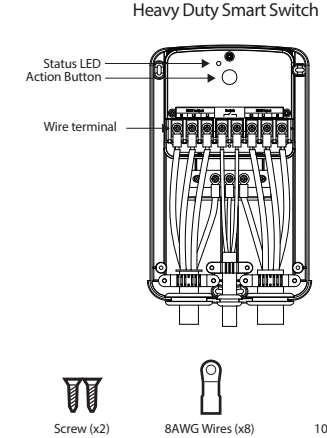


Heavy Duty Smart Switch Gen8

Heavy Duty Smart Switch is a Z-Wave 800# switch device used to control heavy duty appliances. Turn them on or off remotely or via schedule. Monitor how much your high power appliance is costing you in real time. Works with appliances that require as much as 40 Amps.

Used in this guide



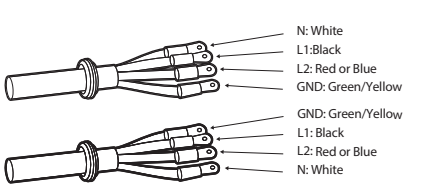
Quick start

The following will guide you through installing Heavy Duty Smart Switch and connecting it to your Z-Wave network.

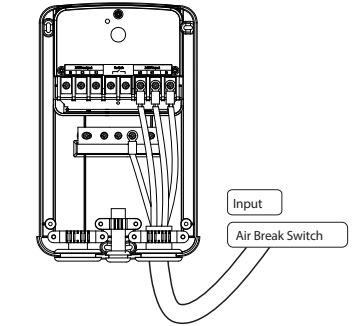
1. Select your installation location and mount Heavy Duty Smart Switch to a surface using the provided 2 screws.
2. Loosen the shell's screw and remove the cover by lifting the cover off to reveal the inner electronics.
3. Prepare the wires you will be attaching to the switch by stripping them to the necessary length.

Safety: ensure all necessary safety precautions, such as turning off electricity at the circuit breaker of the circuit you will be connecting the Heavy Duty Smart Switch to.

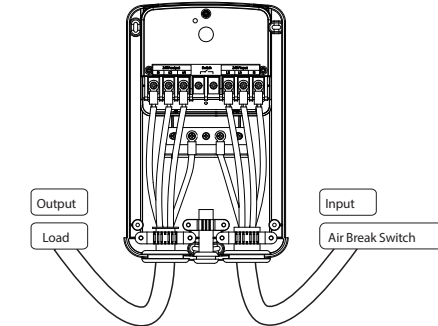
4. Add wires to AC Power terminals; start by loosening all wire terminals with a screwdriver, then place the wire you've prepared into L AC Power terminal. If your Air Breaker has a Neutral connection, connect a 2nd wire into N AC Power terminal. When you've properly affixed a wire to the correct terminal, tighten the screw over the wires.



5. Wire the switch; if the current is less than 32A use AWG10 wire or equivalent; if the current exceeds 32A up to 40A use AWG8 wire. Connect each live line from Air Break Switch / Circuit Breaker to corresponding terminal marked L. If there is a Neutral line and GND from the Air Break Switch, connect them to terminals labelled N and GND respectively. Tighten the screws to the wire terminals; ensure all are connected firmly.



6. Wire the Load; identify your L wire of your Load, then loosen the wire terminals in the Load section of your switch and connect the load to your switch. If there is a Neutral line and GND from the Load, connect them to the terminals labelled N and GND respectively. Tighten the screws to the wire terminals; ensure all are connected firmly.

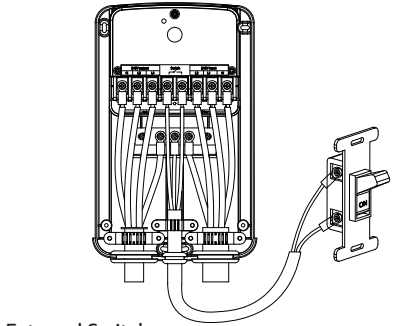


7. Turn on electricity disabled in step 3 by turning on the circuit breaker.
8. Set your Z-Wave gateway into its 'add device' mode in order to connect Heavy Duty Smart Switch to your Z-Wave system. Refer to the gateway's manual if you are unsure of how to perform this step.

9. Press Action Button on Heavy Duty Smart Switch .
 10. When Heavy Duty Smart Switch successfully joins your Z-Wave network, its LED will no longer blink. Should it continue to blink, it fails unable to join your Z-Wave network; repeat the above gateway steps and please contact us for further support if needed.
 11. Once added to your Z-Wave network, replace the Heavy Duty Smart Switch cover over the hardware and affix the cover by placing the screw in place and tighten it.
- Heavy Duty Smart Switch is now a part of your Z-Wave system. You can configure it and its automations, and monitor its electricity consumption via your Z-Wave system; please refer to your software's user guide for precise instructions.

Factory Resetting.

Press and hold the Action Button for 20 Seconds, then release it. If successful, the LED will blink.



External Switch.

- There are 3 functions of an external
1. Control Local relay On/Off
 2. Send Basic Set or Binary Set to association group
 3. Send Central Scene Notification to lifeline
- The supported switch types include momentary switch, switch with switching action, and switch with fixed action

Important safety information

Please read this guide carefully failure to follow the recommendations set forth by Fantem may be dangerous or cause a violation of the law.

The manufacturer, importer, distributor, and / or reseller will not be held responsible for any loss or damage resulting from not following any instructions in this guide or in other materials.

A licensed electrician with knowledge and understanding of electrical systems and safety should complete the installation. Heavy Duty Smart Switch current can not exceed 40 amps. Contains small parts; keep away from children.

Usage and Care

Read this guide for important safety and health information for the device that you have purchased. Keep all printed guides for future reference. Make sure that the product is installed and used correctly according to the instructions. Failure to follow instructions and properly set up, use, and care for this product can increase the risk of serious injury or death, or damage to the device or devices. In the cleaning process, please use dry wipes to wipe, do not use any detergent or chemical solvents.

Safety and regulatory information



WARNING

CHOKING HAZARD

This device may contain small parts which may be a choking hazard to children under 3. Keep small parts away from children.



WARNING

RISK OF ELECTRIC SHOCK

- More than one disconnect switch may be required to de-energize the equipment before servicing (Applicable to all switches without plugs and Dimmer products).
- DO NOT use this device near water and do not expose it to rain or moisture. DO NOT attempt to dry device with a hair dryer or a microwave oven.
- DO NOT attempt to take apart, open, service, or modify the product, accessories, or power supply. Doing so could present the risk of electric shock or other hazard. Any evidence of any attempt to open and/or modify this device, including any peeling, puncturing, or removal of any of the labels, will void the Limited Warranty.
- DO NOT use any device in combination with a Wall Switch - 2 controlling a receptacle (Applicable to all switches without plugs and Dimmer products).
- Turn off main power at circuit breaker before installing or repairing before installing or servicing any In-Wall series products.



WARNING

AC ADAPTER SAFETY

Failure to take the following precautions can result in serious injury or death from electric shock or fire or in damage to the device. To select an appropriate power source for your device:

- Use only the power supply unit, plug adapters, and AC power cord that came with your device or that you received from an authorized Fantem retailer.
- Do not use non-standard power sources, such as generators or inverters, even if the voltage and frequency appear acceptable. Only use AC power provided by a standard wall outlet.
- Do not overload your wall outlet, extension cord, power strip, or other electrical receptacle. Confirm that they are rated to handle the total current (in amps [A]) drawn by the device (indicated on the power supply unit) and any other devices that are on the same circuit.
- On devices where the AC prongs may be folded for storage, before plugging the AC adapter into a power outlet, make sure its prongs are fully extended.
- On devices where the AC prongs are removable and where the power supply uses a universal adapter, before plugging the AC adapter into a power outlet, make sure the prong assembly is of the proper configuration for the power outlet and fully seated into the adapter.



WARNING

CABLE AND CORD SAFETY

Arrange all cables and cords so that people and pets are not likely to trip over or accidentally pull on them as they move around or walk through the area. Do not allow children to play with cables and cords. To avoid damaging the power cords and power supply:

- Protect the power cords from being walked on.
- Protect cords from being pinched or sharply bent, particularly where they connect to the power outlet, the power supply unit, and the device.
- Do not jerk, knot, sharply bend, or otherwise abuse the power cords.
- Do not expose the power cords to sources of heat.
- Keep children and pets away from the power cords. Do not allow them to bite or chew on them.
- When disconnecting the power cords, pull on the plug—do not pull on the cord.
- If a power cord or power supply becomes damaged in any way, stop using it immediately.
- Unplug your device during lightning storms or when unused for long periods of time.
- For devices with an AC power cord that connects to the power supply, always connect the power cord according to the following instructions:

Step 1: Plug the AC power cord into the power supply until it seats fully.

Step 2: Plug the other end of the AC power cord into the wall outlet.

Regulatory Warnings

FCC warnings

FCC Part 15.19 Warning Statement

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 UNDESIRE OPERATION.

FCC Part 15.21 Warning Statement

NOTE: THE GRANTEE IS NOT RESPONSIBLE FOR ANY CHANGES OR MODIFICATIONS NOT EXPRESSLY APPROVED BY THE PARTY RESPONSIBLE FOR COMPLIANCE. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

FCC Part 15.105 Warning 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.

RF warning statement:

The device has been evaluated to meet general RF exposure requirement.

To maintain compliance with FCC's RF exposure guidelines, this equipment should be installed and operated with a minimum distance of 20cm between the radiator and your body.

IC Warnings

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

This device complies with Industry Canada licence-exempt RSS standard(s). 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.

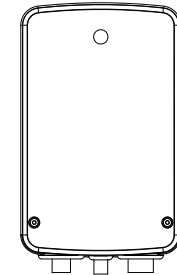
RF warning statement:

The device has been evaluated to meet general RF exposure requirement. To maintain compliance with RSS-102 — Radio Frequency (RF) Exposure guidelines, this equipment should be installed and operated with a minimum distance of 20cm between the radiator and your body. le dispositif de a été évalués à répondre général rf exposition exigence. pour maintenir la conformité avec les directives d'exposition du RSS-102 - Radio Fréquence (RF), ce matériel doit être installé et exploité à une distance minimale de 20 cm entre le radiateur et votre corps.

Specifications:

- Power input: 240VAC, 50/60 Hz (2 Phases L1, L2 for US version, single pahse for EU / AU version)
- Maximum current: 40A Resistor (or 9600 Watts)
- Motor load: Support (MAX 240VAC 5HP AC Motor)
- Operating temperature: 0 °C - 40 °C
- Operating humidity: 20% - 80% RH
- Z-Wave range: 30m indoors
- Waterproof grade: IPX3 (indoor use)
- Standby power consumption: 1W
- Countries: US / AU / EU (908.42MHz / 921.42MHz / 868.42MHz)
- Size: 150x 120 x 40mm
- The device can be included using Z-Wave Long Range.

Heavy Duty Smart Switch Gen8



Warning: Risk of electrical shock. The main circuit breaker or fuse must be shut off during installation. Only a licensed electrician with knowledge and understanding of electrical systems and safety should complete the installation.