



SQR62102WHZ Z-Wave Plus™ Plug-in

Features

- Wireless Z-Wave™ technology creates a mesh network for command and control interoperability with other Z-Wave compliant controllers and devices.
- In duplex outlets, one outlet is always on, another outlet is Z-Wave controlled.
- Z-Wave controlled outlet feature:
 - Manual and remote ON/OFF control of the lighting or other electrical load connected to it.
 - Programmable delayed OFF time.
 - Three configurable “power ON state”.
 - Child lockout capability.
 - Support 3-way (multi-location) application along with Z-Wave wireless auxiliary switch SQR50101**Z.
- Measure the energy usage of the connected loading on both outlets, display the actual consumption (in W) and the accumulated power used (in kWh) in the user interface of the gateway.

NOTE:

- Power on state means the initial status of the device when it is powered on.
- Please refer to the user manual of SQR50101**Z for the 3-Way (multi-location) application.
- Please refer to the gateway installation manual for energy usage display and energy measurement features.

Specification for SQR62102WHZ Z-Wave Plus Plug-in, Energy Monitoring, 15A 125VAC		
Voltage		125 Vac, 60 Hz
Regular outlet	Current	15A
Controlled Outlet	Incandescent	1000 W
	LED	5A
	Standard Ballast	1200VA
	Resistive	15A
	Motor	½ Hp
Operating temperature		32–104°F (0–40°C)
Wireless type		Z-Wave (Support S2 and SmartStart)
Wireless frequency		908.40 MHz / 908.42 MHz / 916 MHz

Precautions



**HAZARD OF UNINTENDED USE**

This device is intended to be used for non-critical automation activities. It is not intended to support life, safety, or medical equipment.

Failure to follow these instructions can result in personal injury or equipment damage.

⚠ DANGER**HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH**

- Apply appropriate personal protective equipment (PPE) and follow safe electrical work practices. See NFPA 70E, NOM-029-STPS or CSA Z462 or local equivalent.
- Do not touch metal pins during plug in or out.
- Indoor use only.

Failure to follow these instructions will result in death or serious injury.

⚠ WARNING**HAZARD OF HEAT AND FIRE DAMAGE**

Read all instructions before installation. The manufacturer will not be held responsible for product damage resulting from not following the instructions.

- Wet hands are strictly prohibited.
- Work strictly according to the rated load.
- Do not continue working after self-disassembly of any nature and damage of external forces.

Failure to follow these instructions can result in death, injury or equipment damage.

⚠ WARNING: This product can expose you to chemicals including Carbon black, which is known to the State of California to cause cancer, and Bisphenol A (BPA), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Wireless Range Conditions

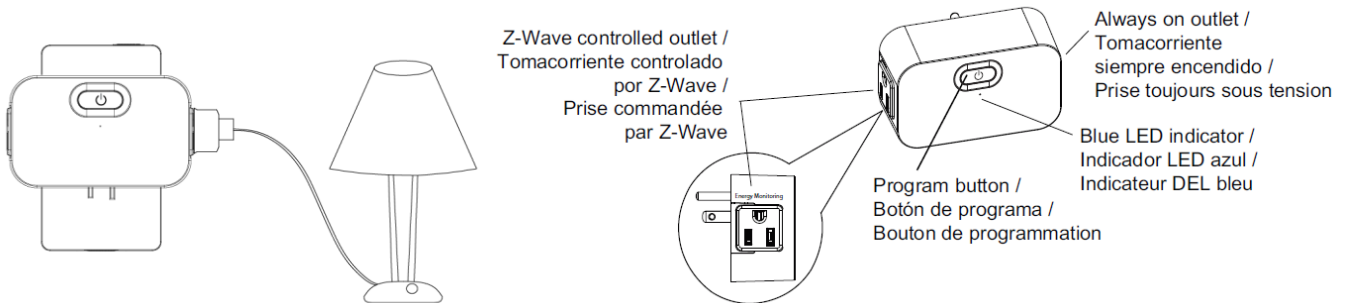
The wireless range is the effective distance of remote control and it will be impacted by the following conditions:

- Each wall or obstacle (e.g., refrigerator, TV, etc.) between the remote or Z-Wave device and the destination device will reduce the wireless range.
- Brick, tile, or concrete walls block more of the wireless signal than walls made of wooden studs and plasterboard (drywall).
- The angle of direction between the remote or Z-Wave device and the destination device will also impact the wireless range; normally, placing the Z-Wave devices face-to-face will get the best wireless range.
- Wall-mounted Z-Wave devices installed in metal junction boxes may suffer a significant loss of range since the metal box blocks a large part of the wireless signal.

Installation

1. Plug the device into the wall mount receptacle (Figure 1).
2. Attach the desired appliance into the outlet of the device.

Figure 1: Device Connection



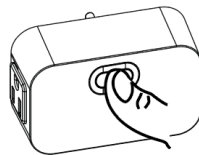
Operation

1. Local control (Figure 2):

Press the program button, the appliance or device plugged into the Z-Wave controlled outlet will turn on or off.

Figure 2: Local Control

Power on or off / Encendido o apagado / Alimentation sous tension ou hors tension



Tap (short press) /
Tocar (presione brevemente) /
Appuyez (légère pression)

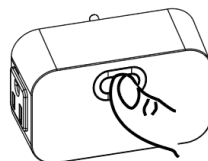
2. Group control the nodes of association group 2 (Figure 3):

Press the program button twice within 1s (the interval between two pressed is less than 0.5s), the device can turn on /off the other Z-Wave devices in the same association group.

NOTE: Please refer to association setting for nodes group 2 setup. This requires a gateway with advanced features and assumes the device is included in a network.

Figure 3: Group Control

Nodes on or off / Nodos encendidos o apagados / Nœuds sous tension ou hors tension



Quick click x2, within 1s / interval <0.5s /
Clic rápido dos veces, en 1 s/intervalo <0,5 s /
Cliquez rapidement deux fois en 1 s ou dans un intervalle inférieur à 0,5 s

3. Inclusion to a Z-Wave network:

NOTE: The device supports S2-authenticated and S2-unauthenticated inclusion methods. It is highly recommended to only select S2-authenticated or the highest inclusion method, and deselect other methods. This ensures the highest security level during Z-Wave service. During S2-authenticated inclusion, users may be asked to scan the QR code or enter a 5-digit pin code attached on the device.

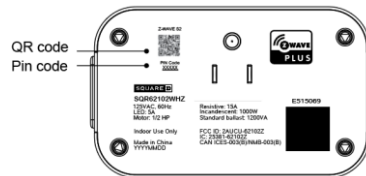


- A. SmartStart inclusion: The feature assumes the gateway has implemented SmartStart. Users could use the APP of the gateway or the gateway camera to scan the QR code (located on the device or on the enclosed label in the package) before powering on the device, and then when the device is powered on, it shall be automatically added to the gateway.
- B. Manual inclusion (Figure 4): When the gateway is in adding mode (please refer to the instruction of the Z-Wave gateway for the operations on gateway itself). Press the program button 3 times within 1.5s (the interval between each press is less than 0.5s).

Note: Please don't power cycle the device during inclusion process.

- 4. Exclusion from a Z-Wave network (Figure 4): When the gateway is in removing mode (please refer to the instruction of the Z-Wave gateway for the operations on gateway itself). Press the program button 3 times within 1.5s (the interval between each press is less than 0.5s).

Figure 4: Join or Leave the Z-Wave Network

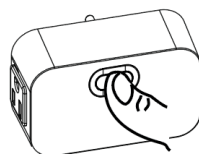


Quick click x3, within 1.5s / interval <0.5s /
 Clic rápido 3 veces en 1,5 s o en un intervalo de tiempo menor a 0,5 s /
 Cliquez rapidement trois fois en 1,5 s ou dans un intervalle inférieur à 0,5 s

- 5. Remote control: After the device is included in a Z-Wave gateway, the gateway can provide control of an individual device, groups of devices and scenes, and offers flexibility in setting up the lighting control network. Please refer to the gateway instructions for details.
- 6. Reset to factory defaults (Figure 5):
 Long press the reset button for >20 seconds till the blue LED blink 5 times within one second.

Figure 5: Reset to factory defaults

Reset to factory defaults / Restablezca los valores predeterminados de fábrica / Rétablir les paramètres par défaut



Press and hold > 20 seconds /
 Mantenga pulsado > 20 segundos /
 Appuyez et maintenez > 20 secondes

NOTE:

- Use this procedure only when the Z-Wave gateway is missing or otherwise inoperable.



- Reset the device to factory default settings will set the device to not in Z-Wave network state, delete the association setting and restore the configuration setting to the default.

Advanced Setting

The advanced setting requires an advanced gateway. Basic gateway does not support this setting. Users can do the setting through the interface of the advanced gateway.

All configuration parameters can be restored to factory default settings by the gateway or by manual reset.

Configuration					
Parameter No.	Size	Description	Valid Value	Default Value	Unit
1	1 byte	Synchronization of load power and LED indicator	0 = Power ON, LED OFF Power OFF, LED ON 1 = Power ON, LED ON Power OFF, LED OFF	1	N/A
2	1 byte	Delay Off Time	0~240	0	second
3	1 byte	Power On Status	1 = Off 2 = On (full brightness) 3 = Last state	1	N/A
4	1 byte	Child Lockout	0= Disable 1= Enable	0	N/A

Association		
Grouping ID	Max. No. of Nodes	Description
Lifeline	5	1. Binary Report 2. Meter Report 3. Device Reset Locally. 4. Indicator report
2	5	Basic Set

LED Indication

Blue LED flashing	LED blinks slowly (once per 3 seconds) for 3 minutes: device not in network LED stays on for 1 minute: device in the network LED blinks fast (one blink per second): adding/leaving network LED blinks 3 times within one second: signal for releasing the reset button LED blinks 4 times within 2 seconds: start to perform reset process LED blinks 5 seconds (twice per second): device receive OTA command or OTA unseccessful
Blue LED on	Device is turned on (default setting, can be configured)
Blue LED off	Device is turned off (default setting, can be configured)

Trouble Shooting

Issue	Solution
SmartStart inclusion taking too long	Power cycle the device to escalate the inclusion.
Inclusion is unsuccessful	Move the device closer to the gateway and repeat the inclusion operation.



FCC Compliance Statement

Federal Communication Commission Interference Statement

The 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 uses, generates and can radiate radio frequency energy and, if not installed and used in accordance with the instruction, may cause harmful interference to radio communication. 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.

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

RF Exposure: A distance of 20 cm shall be maintained between the antenna and users, and the transmitter module may not be co-located with any other transmitter or antenna.

Non-modification Statement:

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

FCC Supplier's Declaration of Conformity

Product Name: Z-WAVE+ 15A PLUG-IN OUTLET
 Model Number: SQR62102WHZ
 Suppliers Name: Schneider Electric
 Suppliers Address (USA): 800 Federal Street Andover, MA 01810 USA
 Suppliers Website: www.se.com/us

FCC Compliance 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 undesired operation.

ISED Statement

This Class [B] digital apparatus complies with Canadian CAN ICES-003(B).
 Cet appareil numérique de la classe [B] est conforme à la norme NMB-003(B) du Canada.

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

1. This device may not cause interference.
2. This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique 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;
2. L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement

This equipment complies with ISED RSS-102 radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator and any part of your body.

Pour se conformer aux exigences de conformité CNR 102 RF exposition, une distance de séparation d'au moins 20 cm doit être maintenue entre l'antenne de cet appareil et toutes les personnes.

Model number: SQR62102WHZ

Warranty Information

Schneider Electric warrants its products to be free of defects in materials and workmanship for a period of two (2) years. There are no obligations or liabilities on the part of Schneider Electric for consequential damages arising out of or in connection with the use or performance of this product or other indirect damages with respect to loss of property, revenue, or profit, or cost of removal, installation, or reinstallation.