INSTALLATION INSTRUCTIONS

This application guide applies to the following products.

SQR44101WHZ,SQR44101LAZ,SQR44101BKZ

Z-WAVE TR RECEPTACLE ENERGY MONITORING 15A 125VAC

FCC ID: 2AUCU-44101Z
IC: 25381-44101Z
CAN ICES-3(B)/NMB-3(B)

♦ SPECIFICATIONS

Regular Outlet

Voltage 125VAC, 60Hz
Current.....15A

Controlled Outlet

Voltage.....125VAC, 60Hz
Incandescent 1000W
LED..... 5A
Standard Ballast 1200VA
Resistive ..... 1800W(15A)
Motor ..... 1/2 HP
Operating Temperature ..... 32°F∽104°F(0°C~40°C)
Supply Connection.....14AWG wires rated for at least 90°C
Screw Torque.....12-14 lbf-in
Wireless Type..... Z-wave
Wireless Frequency..... 908.40MHz/908.42MHz/916MHz
Wireless range .....80 feet in open air and line of sight

♦ FEATURES

- Wireless Z-Wave technology creates a mesh network for command and control interoperability with other Z-Wave compliant controller and devices
- Manual and Remote ON/OFF control of any lighting or other electrical load connected to Z-wave controlled outlet
- Tamper-Resistant
- Measure the energy usage of the connected loading on the z-wave controlled outlet, display the actual consumption (in W) and the accumulated power used (in kWh) in the user interface of the gateway.

Notice: for energy measurement feature, please refer to the gateway installation manual for energy usage display.

⚠ 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.
- This equipment must only be installed and serviced by qualified electrical personnel.
- Turn off all power supplying this equipment before working on or inside equipment.
- Always use a properly rated voltage sensing device to confirm power is off.
- Replace all devices, doors, and covers before turning on power to this equipment.

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

⚠ WARNING: CALIFORNIA PROPOSITION 65

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

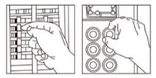
WARNING

Be sure to read the instruction carefully before installation, and the manufacturer will not be responsible for any product damage that does not follow the instruction

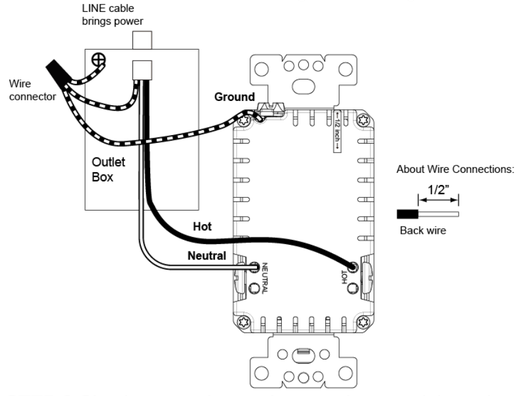
1. Wet hands are strictly prohibited.
2. Must work strictly according to the rated load.
3. Do not continue to work after self-disassembly of any nature and damage of external forces.
4. Copper cable only
5. Indoor use only

♦ INSTALLATION

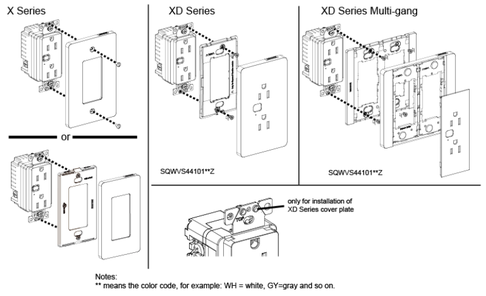
STEP1 Turn Power Off. Indoor use only.



STEP 2 Connect the device as shown in the wiring diagram: Black lead to hot wire, white lead to neutral wire, Black lead to load wire, green lead to ground wire.

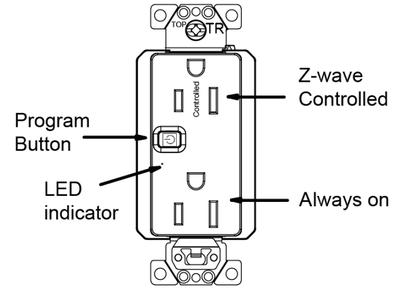


STEP 3 Check connections to be sure they are tight and no bare conductors are exposed.
STEP 4 Insert the device into the standard outlet box carefully.
STEP 5 Make sure the device is fixed to the box using the supplied screws.
STEP 6 Install the wall plate (not included) following below figure



STEP 7 Restore power at the circuit breaker.

♦ OPERATIONS



1. **Local control:**
   Press the program button, the appliance or device plugged into Z-Wave controlled outlet will turn ON or OFF.

Notice: After a power failure, the device returns to OFF state.

2. **Join/Leave Z-Wave network.**

When the gateway is in adding mode or removing mode, press and hold the program button for more than 3 seconds.

Notice: Please also refer to the instruction of the z-wave gateway for the operations on gateway itself.

3. **Remote control**

Z-Wave remotes can provide control of an Individual device, Groups of devices and Scenes, depends on the flexibility in how you set up your lighting control network. Please refer to your gateway's instruction for details.

Notices for wireless range:

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

- Each wall or obstacle (i.e. refrigerator, big screen 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 direction angle between remote or Z-wave device and the destination device will also impact the wireless range, normally put 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.

4. **Reset to factory defaults**
   Press the program button and hold for more than 10 seconds.

ADVANCED SETTING

The following Advanced setting requires an advanced gateway. Basic gateway does not support his setting. Users can do the setting through the interface of the advanced gateway.
All Configuration Parameters can all be restored to their factory default settings by the gateway or by manual reset.

Configuration

Parameter No.	Size	Description	Valid Value	Default Value
1	1 Byte	Synchronization of outlet power and LED indicator	0: Power on, LED off	Default=0
			1: Power on, LED on	

Association

Grouping ID	Max number of nodes	Description
1	1	Lifeline: Send device reset locally notification
2	5	StatusReport: Send basic report
3	5	PowerReport: Send meter power report

♦ LED INDICATION

Blue LED flashing: Connecting to the network.

Blue LED On: The switch is switched off (default setting, can be configured)

Blue LED Off: The switch is switched on (default setting, can be configured).

♦ 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 Receptacle
Model number: SQR44101WHZ, SQR44101LAZ, SQR44101BKZ
Suppliers Name: Schneider Electric

Suppliers Address (USA): 800 Federal Street Andover, MA 01810 USA

Suppliers Website: www.schneider-electric.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 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 ettoutes les personnes.

WARRANTY INFORMATION

Our company warranties its products to be free of defects in materials and workman-ship for a period of two (2) years. There are no obligations or liabilities on the part of our company 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.