



Z-Wave™ Switch SQR14101**Z

Interruptor Z-Wave™ SQR14101**Z

Interrupteur Z-Wave™ SQR14101**Z

DRAFT

FCC ID: 2AUCU-14101Z

IC: 25381-14101Z

CAN ICES-3(B) / NMB-3(B)

** = color code: WH (white), LA (light almond), BK (black), GY (gray) / ** = código de color: WH (blanco), LA (almendra clara), BK (negro), GY (gris) / ** = Code de couleur : BL (blanc), BE (beige), NO (noir), GR (gris)

Retain for future use. / Conservar para uso futuro. / À conserver pour usage ultérieur.

Features

- Wireless Z-Wave technology creates a mesh network for command and control interoperability with other Z-Wave compliant controllers and devices.
- Manual and remote on/off control of any connected lighting and other electrical load.
- Single pole or 3-way (multi-location) use with auxiliary switch SQR50101**Z.
- Measure the energy usage of the connected loading, display the actual consumption (in W) and the accumulated power used (in kWh) in the user interface of the gateway.

NOTE: Please refer to the gateway installation manual for energy usage display and energy measurement features.

Características

- La tecnología inalámbrica Z-Wave crea una red de malla para la interoperabilidad de comandos y controles con otros controladores y dispositivos compatibles con Z-Wave.
- Control de encendido/apagado manual y remoto de cualquier luminaria conectada y otra carga eléctrica.
- Uso unipolar o de 3 vías (ubicación múltiple) con el interruptor auxiliar SQR50101**Z.

NOTA:

Caractéristiques

- La technologie sans fil Z-Wave crée un réseau maillé pour assurer l'interopérabilité du commandement et des commandes avec d'autres télécommandes et dispositifs compatibles avec Z-Wave.
- Télécommande manuelle et à distance dotée de la fonction marche/arrêt pour contrôler tout éclairage connecté, ainsi que toute autre charge électrique.
- Utilisation unipolaire ou à 3 voies (emplacements multiples) à l'aide de l'interrupteur auxiliaire SQR50101**Z.

REMARQUE :

SQR14101**Z Z-Wave Switch, Single Pole Energy Monitoring Specifications Especificaciones de monitoreo de energía del interruptor Z-Wave SQR14101**Z unipolar Spécifications relatives au contrôle de la consommation de l'énergie d'un interrupteur SQR14101**Z Z-Wave unipolaire	
Voltage / Tensión / Tension	120 Vac, 60 Hz / 120 Vca, 60 Hz / 120 V CA, 60 Hz
Incandescent / Incandescente / Ampoules	1000 W
LED / LED / DEL	5 A
Standard Ballast / Balasto estándar / Ballast standard	1200 Va / 1200 Va / 1 200 VA
Resistive / Resistivo / Résistive	1800 W (15 A)
Motor / Motor / Moteur	1/2 Hp
Operating Temperature / Temperatura de operación / Température de fonctionnement	32–104°F (0–40°C)
Supply Connection / Conexión de alimentación / Raccordement au courant	14 AWG ¹
Wireless Type / Tipo inalámbrico / Modèle sans fil	Z-Wave (Support S2 and SmartStart)
Wireless Frequency / Frecuencia inalámbrica / Fréquence radio	908.40 MHz / 908.42 MHz / 916 MHz

¹ Suitable for at least 90°C. / Apto para al menos 90 ° C. / Convient pour au moins 90 ° C.

⚠ CAUTION / PRECAUCIÓN / ATTENTION

UNINTENDED USE

This switch 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.

Precautions

Precauciones

Précautions

⚠ ⚠ DANGER / PELIGRO / 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.
- To reduce the risk of overheating and possible equipment damage, do not install to control a receptacle, a motor-operated appliance, a fluorescent lighting fixture, or a transformer-supplied appliance.
- Use with copper wire only.
- Indoor use only.
- 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.

PELIGRO DE DESCARGA ELÉCTRICA, EXPLOSIÓN O DESTELLO POR ARQUEO

- Utilice equipo de protección personal (EPP) apropiado y siga las prácticas de seguridad eléctrica establecidas por su Compañía, consulte la norma 70E de NFPA, NOM-029-STPS o CSA Z462 o la norma local equivalente.
- Solamente el personal eléctrico calificado deberá instalar y prestar servicio de mantenimiento a este equipo.
- Desenergice el equipo antes de realizar cualquier trabajo en él.
- Siempre utilice un dispositivo detector de tensión de valor nominal adecuado para confirmar la desenergización del equipo.
- Para reducir el riesgo de sobrecalentamiento y posibles daños al equipo, no lo instale para controlar un receptáculo, un electrodoméstico operado por un motor, un accesorio de iluminación fluorescente o un electrodoméstico alimentado por un transformador.
- Use solo con conductor de cobre.
- Uso exclusivo en interiores.
- Vuelva a colocar todos los dispositivos, las puertas y las cubiertas antes de volver a energizar el equipo.

El incumplimiento de estas instrucciones podrá causar la muerte o lesiones serias.

RISQUE D'ÉLECTROCUTION, D'EXPLOSION OU ÉCLAIR D'ARC

- Portez un équipement de protection personnelle (ÉPP) approprié et observez les méthodes de travail électrique sécuritaire. Voir NFPA 70E, NOM-029-STPS ou CSA Z462 ou aux équivalents applicables dans votre région du monde.
- Seul un personnel qualifié doit effectuer l'installation et l'entretien de cet appareil.
- Coupez l'alimentation de l'appareil avant d'y travailler.
- Utilisez toujours un dispositif de détection de tension ayant une valeur nominale appropriée pour vous assurer que l'alimentation est coupée.
- Afin de réduire le risque de surchauffe et de dommages possibles aux équipements, ne pas installer un appareil motorisé, un appareil d'éclairage fluorescent ou un appareil alimenté par un transformateur pour contrôler une prise de courant.
- À utiliser avec des fils en cuivre uniquement.
- Pour utilisation à l'intérieur uniquement.
- Remplacez tous les dispositifs, les portes et les couvercles avant de mettre l'appareil sous tension.

Si ces directives ne sont pas respectées, cela entraînera la mort ou des blessures graves.

⚠ WARNING / ADVERTENCIA / AVERTISSEMENT

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.

⚠ ADVERTENCIA: Este producto puede exponerle a químicos incluyendo negro de carbón, que son conocidos por el Estado de California como causantes de cáncer, y Bisfenol A (BPA), que es conocido por el Estado de California como causante de defectos de nacimiento u otros daños reproductivos. Para mayor información, visite www.P65Warnings.ca.gov.

⚠ AVERTISSEMENT: Ce produit peut vous exposer à des agents chimiques, y compris noir de carbone, identifiés par l'État de Californie comme pouvant causer le cancer, et Bisphénol A (BPA) reconnus par l'État de Californie comme pouvant causer des malformations congénitales ou autres troubles de l'appareil reproducteur. Pour de plus amples informations, prière de consulter www.P65Warnings.ca.gov.

Installation

1. Turn the power OFF at circuit breaker or fuse and test that power is off before wiring.
2. Wire the switch according to the appropriate wiring diagram.
3. Check that all connections are tight and no bare wires exposed.
4. Install the switch into the standard outlet box using the screws provided.

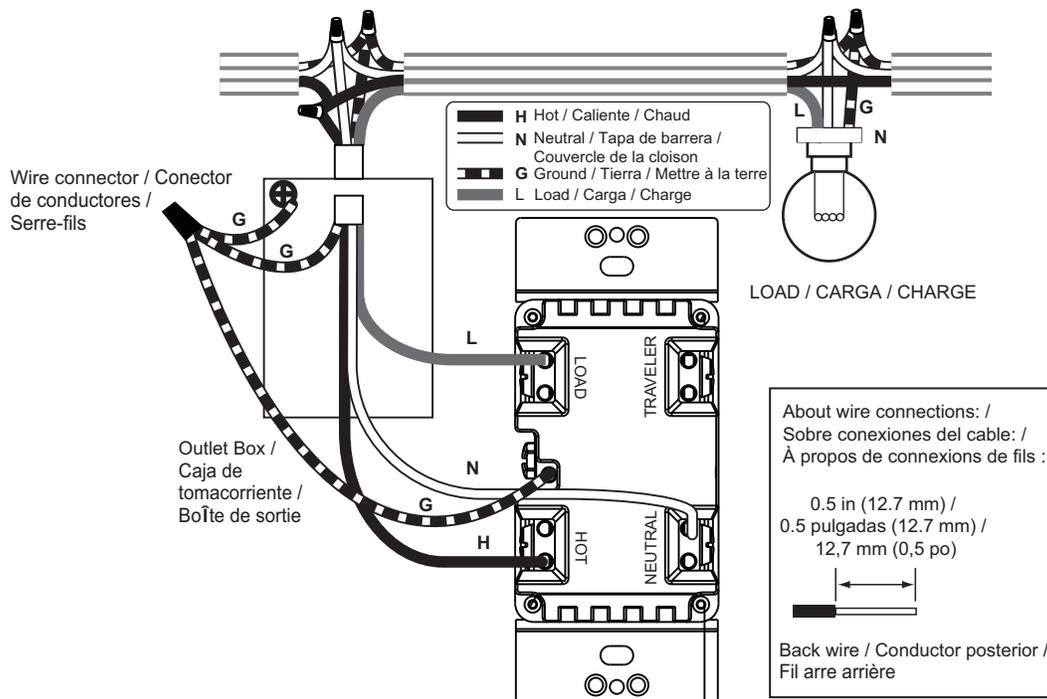
Instalación

1. Apague la alimentación en el interruptor automático o fusible y compruebe que la energía esté desconectada antes de realizar el cableado.
2. Conecte el interruptor según el diagrama de cableado adecuado.
3. Verifique que todas las conexiones estén apretadas y no haya conductores desnudos expuestos.
4. Instale el interruptor en la caja de tomacorriente estándar con los tornillos provistos.

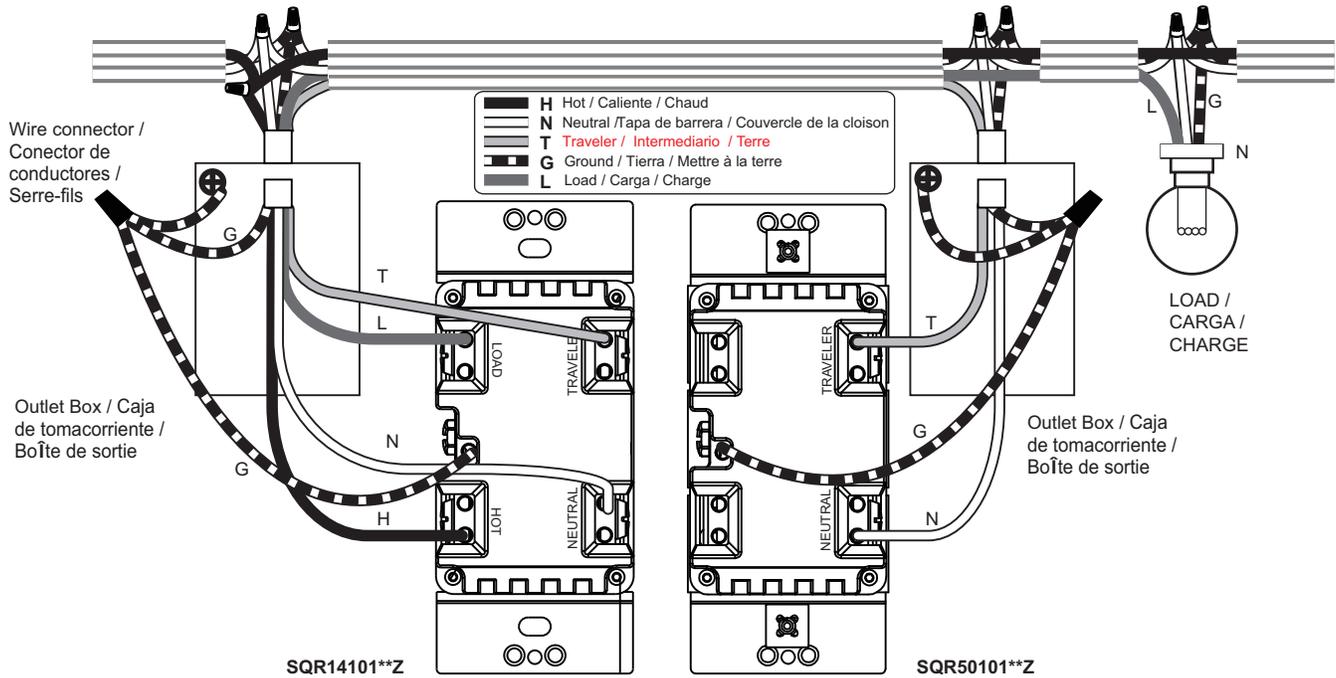
Installation

1. Couper l'alimentation au disjoncteur ou au fusible et vérifier que l'alimentation est coupée avant d'effectuer le câblage.
2. Raccorder l'interrupteur selon le schéma de câblage approprié.
3. Vérifier que tous les raccordements sont bien serrés et qu'aucun fil dénudé n'est à découvert.
4. Installer l'interrupteur dans la boîte de la sortie standard à l'aide des vis fournies.

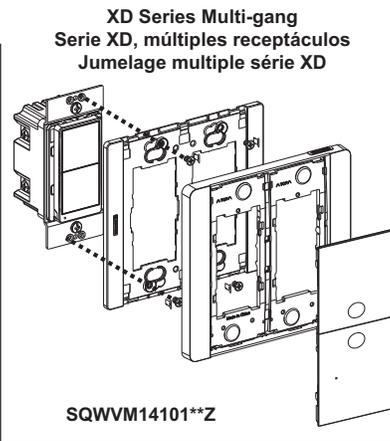
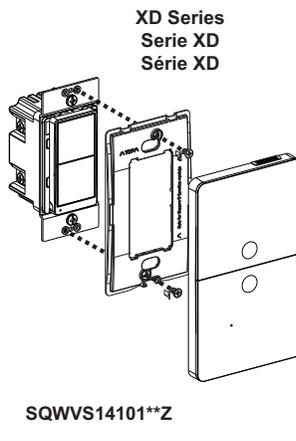
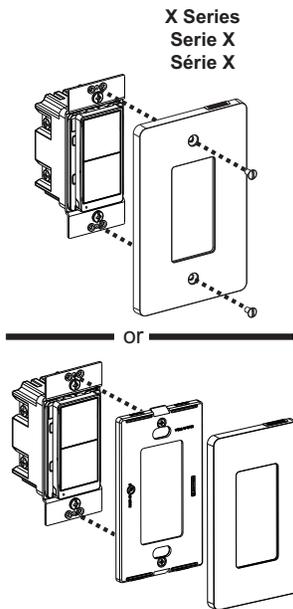
Z-Wave Switch SQR14101**W Single Pole Wiring Diagram
Diagrama de cableado del interruptor Z-Wave SQR14101**W unipolar
Schéma de câblage de l'interrupteur unipolaire Z-Wave SQR14101**W



Z-Wave Switch SQR14101**W 3-Way Wiring Diagram with Auxiliary Switch SQR50101**Z
 Diagrama de cableado del interruptor Z-Wave SQR14101**W de 3 vías con interruptor auxiliar SQR50101**Z
 Schéma de câblage de l'interrupteur à 3 voies Z-Wave SQR14101**W avec interrupteur auxiliaire SQR50101**Z



- | | | |
|---|--|--|
| <p>5. Install the wall plate (not included).</p> <p>6. Restore power.</p> | <p>7. Instale la placa de pared (no incluida).</p> <p>8. Restaure la alimentación.</p> | <p>5. Installer la plaque murale (non incluse).</p> <p>6. Rétablir l'alimentation.</p> |
|---|--|--|



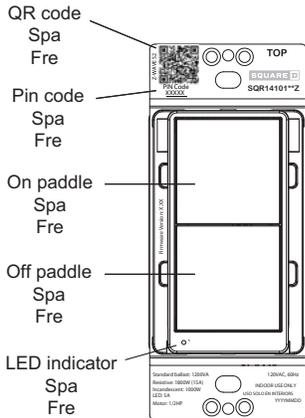
Only for installation of XD Series cover plate.
 Solo para la instalación de la placa de cubierta de la serie XD.
 Uniquement pour l'installation du couvercle de la série XD.

NOTE: ** = color code: WH (white), LA (light almond), BK (black), GY (gray)
 NOTA: ** = código de color: WH (blanco), LA (almendra clara), BK (negro), GY (gris)
 REMARQUE: ** = code de couleur: BL (blanc), BM (beige métallisé), NR (noir), GS (gris)

Operation

1. Local control:

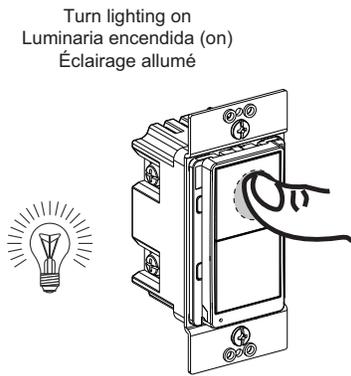
NOTE: After a power failure the switch returns to the off state.



Operación

1.

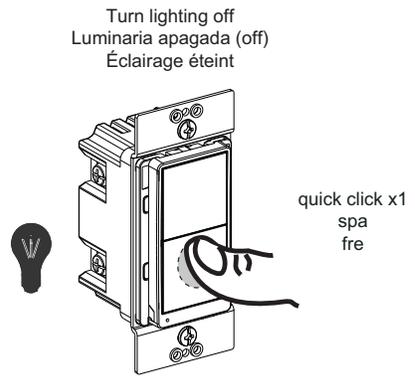
NOTA:



Utilisation

1.

REMARQUE :



2. Group control the nodes of association group 2:

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.

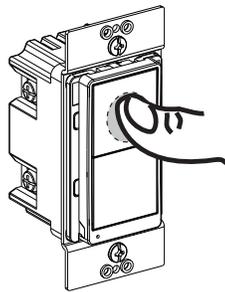
2.

NOTA:

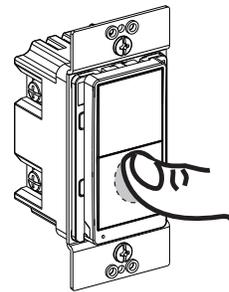
2.

REMARQUE :

Nodes on / Nodos activados (on) / Nœuds activés



Nodes off / Nodos desactivados (off) / Nœuds désactivés



quick click x2, within 1s / interval <0.5s
Spa
Fre

3. Inclusion to a Z-Wave network:

3.

3.

NOTE: The device supports up to S2-authenticated inclusion method, based on the gateway's feature. 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 on device or on device 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: When the gateway is in adding mode (please refer to the instruction of the Z-Wave gateway for the operations on gateway itself).

NOTA:

A.

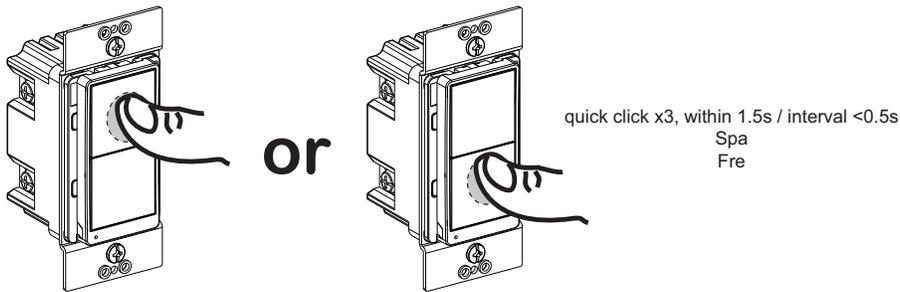
B.

REMARQUE :

A.

B.

Join or leave the Z-Wave network / Spa / Fre



- 4. Exclusion from a Z-Wave network: When the gateway is in removing mode (please refer to the instruction of the Z-Wave gateway for the operations on gateway itself).
- 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.

4.

5.

4.

5.

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 switch 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 switch and the destination device will also impact the wireless range; normally, placing the Z-Wave switches face-to-face will get the best wireless range
- Wall-mounted Z-Wave switches installed in metal junction boxes may suffer a significant loss of range since the metal box blocks a large part of the wireless signal.

6. Reset to factory defaults:

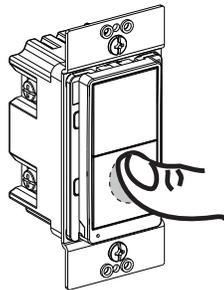
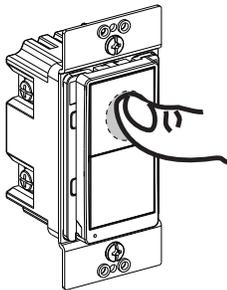
Spa

-
-
-
-
- 6.

Fre

-
-
-
-
- 6.

Reset to factory defaults / Spa / Fre



3 x quick click + 1 x press > 10 seconds
Spa
Fre

NOTE:

- Use this procedure only when the Z-Wave gateway is missing or otherwise inoperable.
- Reset the switch to factory default settings will set the switch to not in Z-Wave network state, delete the association setting and restore the configuration setting to the default.

NOTA:

-
-

REMARQUE :

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- When the paddle is pressed and held, the LED will blink quickly for 10 seconds and then the paddle can be released after the LED change to solid on, the LED will blink quickly for 3 seconds when factory reset succeeds.

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.

Spa

Fre

Configuration / Configuración / Configuration				
Parameter No. / Núm. de parámetro / Numéro de paramètre	Size / Tamaño / Taille	Description / Descripción / Description	Valid Value / Valor válido / Valeur valide	Default Value / Valor predeterminado / Valeur par défaut
1 / 1 / 1	1 byte / 1 byte / 1 octet	Synchronization of load power and LED indicator / Sincronización de la alimentación de carga y el indicador LED / Synchronisation de l'alimentation de la charge et de l'indicateur DEL	0 = Power ON, LED OFF / 0 = Alimentación encendida, LED apagado / 0 = Sous tension, DEL éteint 1 = Power ON, LED ON / 1 = Alimentación encendida, LED apagado / Fre	Default = 1 / Spa / Fre

Association / Asociación / Association		
Grouping ID / Id. de agrupamiento / Code d'identification de groupe	Maximum No. of Nodes / Número máximo de nodos / Nombre maximal de nœuds	Description / Descripción / Description
1	5	Lifeline: send switch reset local notification / spa / fre StatusReport: on/off status report / spa / fre PowerReport: power metering report / spa / fre
2	5	AssGroupSet: send on/off set command / spa / fre

LED Indication / Spa / Fre	
Blue LED flashing Spa Fre	LED blinking slowly for 3 minutes: device not in network / spa / fre LED blinking fast: adding/leaving network / spa / fre LED keep on for 1 minute: adding/leaving network successfully / spa / fre LED blink fast for 3s: factory reset success / spa / fre
Blue LED on / Spa / Fre	Switch is turned on (default setting, can be configured). / spa / fre
Blue LED off / Spa / Fre	Switch is turned off (default setting, can be configured). / spa / fre

Troubleshooting / Spa / Fre	
Issue / Spa / Fre	Solution / Spa / Fre
SmartStart inclusion taking too long / Spa / Fre	Power cycle the switch to escalate inclusion. / spa / fre
Inclusion is unsuccessful	Move the switch closer to the gateway and repeat the inclusion operation. / spa / fre.

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 20 cm between the radiator and 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

Model number : SQR14101WHZ, SQR14101LAZ, SQR14101BKZ

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 :

L'appareil ne doit pas produire de brouillage;

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 20 cm 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.

Warranty Information / Información importante / Renseignements sur la garantie

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.

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DRAFT

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888-778-2733
www.schneider-electric.us

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Seul un personnel qualifié doit effectuer l'installation, l'utilisation, l'entretien et la maintenance du matériel électrique. Schneider Electric n'assume aucune responsabilité des conséquences éventuelles découlant de l'utilisation de cette documentation.

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5985 McLaughlin Road
Mississauga, ON L5R 1B8 Canada
800-565-6699
www.schneider-electric.ca