INSTALL GUIDE – SMART SWITCH

WARNING: *SHOCK HAZARD*
Turn OFF the power to the branch circuit for the switch and lighting fixture at the service panel. All wiring connections must be made with the POWER OFF to avoid personal injury and/or damage to the dimmer. This device is intended for installation in accordance with the National Electric Code and local regulations in the United States and the Canadian Electrical Code and local regulations in Canada.
If you are unsure or uncomfortable about performing the installation, consult a qualified electrician.

Smart Dimmer Wiring/Installation Instructions

1. Shut off power to the circuit at circuit breaker or fuse box.

IMPORTANT*: Verify power is OFF to switch box before continuing.*

2. Remove wall plate.
3. Remove the switch mounting screws.
4. Carefully remove the switch from the switch box.
   Note: DO NOT disconnect the wires.
5. There are up to five screw terminals on the switch, these are marked:
   - GROUND
   - LINE - black (connected to power)
   - LOAD - black or red (connected to lighting/load)
   - TRAVELER - black or red (only in 3-way installations)
   - NEUTRAL - white
6. Match these screw terminals to the wires connected to the existing switch.
7. Disconnect the wires from the existing switch.
8. Label wires according to the previous terminal connection.

Multi-Switch Wiring

For 3-way installations, refer to the companion switch manual.

Wire Gauge Requirements

Use 12AWG or 14AWG wires suitable for at least 75ºC for supplying line (hot), load, neutral, ground, and traveler connections.

Wire Strip Length

For attachment using the enclosure's holes, strip insulation 5/8in (16mm). UL specifies the tightening torque for the screws is 14Kgf-cm (12lbf-in).

Refer to the diagram and follow the steps below.

1. Connect the green or bare copper ground wire to the GROUND terminal.
2. Connect the black wire from the light to the LOAD terminal.
3. Connect the black wire from the electrical service panel (hot) to the LINE terminal.
4. Connect the white wire to the NEUTRAL terminal (use a jumper wire if needed).
   Note: The traveler terminal is only used for 3-way or 4-way wiring and should not be connected if the dimmer is being installed in a 2-way system (one switch & one load).
5. Insert the switch into the switch box being careful not to pinch or crush wires.
6. The switch must be independently mounted (vertical position only).
7. Secure the switch to the box using the supplied screws.
8. Mount the wall plate.
9. Reapply power to the circuit at fuse box or circuit breaker and test the system.

Basic Operation

The connected light can be turned ON/OFF in two ways.

- Manually from the front panel of the switch
- Remotely via the SAVI Server

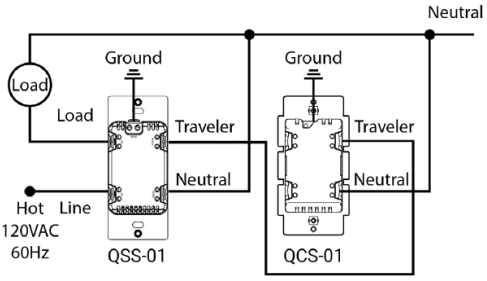
Manual Control

The front panel rocker switch allows the user to turn ON/OFF or connected fixture by completing the following steps:

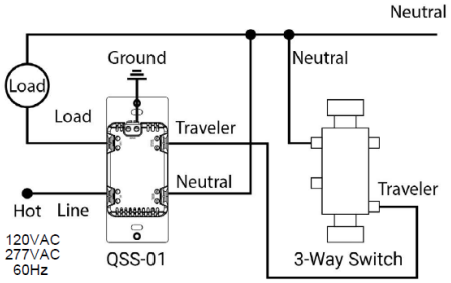
1. To turn the connected fixture ON, press and release the top of the rocker.
2. To turn the connected fixture OFF, press and release the bottom of the rocker.

IMPORTANT*: This switch is rated for and intended to only be used with copper wire.*

3-Way Circuit (Companion switch)



Off the shelf 3-Way Circuit



***Note**: For 3-way configurations, ensure the smart dimmer is installed in the junction box where Line (Hot) enters the electrical circuit. Insert wires into holes, do not wrap wires around screws. Do not remove screws. The Qoralux Smart Switch is designed to operate in either 120VAC or 277VAC circuits. For 277VAC 3-way circuits, use standard "off-the-shelf" 277VAC compatible 3-way switch.*

LEGAL

Resistive: 15A@120/277V
Incandescent: 960W@120V/1385W@277V
Motor: 1/2HP@120/277V
Operating ambient temperature 0-40°C
Method of mounting included: Independently mounted (Vertical position only)
Operating control, Type 1.C action Pollution Degree 2
Rated Impulse Voltage 4000 V Software Class A
NEMA type 1 enclosure
FOR INDOOR USE ONLY

FCC

Supplier's Declaration of Conformity
47 CFR 2.1077 Compliance Information
Model: QSS-01
Responsible Party – US Contact Information
2520 Marsh Lane, Carrollton, TX 75006-2401
(214) 785-6510

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.
Note: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications or changes to this equipment. Such modifications or changes could void the user's authority to operate the equipment.
Please visit savicontrols.com to find the full FCC/IC statements.

This equipment complies with FCC 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.

IC

This device complies with Part 15 of the FCC Rules and with RSS of Industry Canada. Operation is subject to the following two conditions:

- This device may not cause harmful interference.
- This device must accept any interference received, including interference that may cause undesired operation.

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.

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.
2. L'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.
3. 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.

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