

**Contents** [ [hide](#) ]

- [1 SAVI iQ 6 Button Keypad Dimmer](#)
- [2 Specifications](#)
- [3 Wire Strip Length](#)
- [4 Frequently Asked Questions](#)
- [5 Documents / Resources](#)
  - [5.1 References](#)



## SAVI iQ 6 Button Keypad Dimmer



## Specifications

- Intended for use with copper wire only

- Operates on 120 VAC or 277 VAC circuits
- Tightening torque for screws: 14 Kgf/cm<sup>2</sup> (12 lbf/in<sup>2</sup>)

### **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 per the National and Canadian Electrical Code as well as the United States and Canadian local regulations. If you are unsure or uncomfortable about performing the installation, consult a qualified electrician.

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

### **6-Button Keypad Dimmer Wiring/Installation Instructions**

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

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

2. Remove the wall plate.
3. Remove the switch mounting screws.
4. Carefully remove the dimmer from the switch box.

**Note:** DO NOT disconnect the wires.

5. There are 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 Install Guide – QoraLux Companion Switch.

### **Wire Gauge Requirements**

Use 12 AWG or 14 AWG wires suitable for at least 90°C for supplying line (hot), load,

neutral, ground, and traveler connections.

## **Air Gap**

The air gap switch on the bottom must be pulled out when replacing light bulbs; this disconnects power to the load. When installation is finished, the air gap switch needs to be pushed back in for the device to function properly.

## **Wire Strip Length**

For attachment, use the enclosure's holes and strip insulation 5/8 in (16 mm). UL specifies the tightening torque for the screws is 14 Kgf/cm<sup>2</sup> (12 lbf/in<sup>2</sup>). 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- or 4-way wiring and should not be connected if the dimmer is being installed in a 2-way system (one dimmer and one load).

5. Insert the dimmer 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 dimmer
- Remotely via the SAVI Server

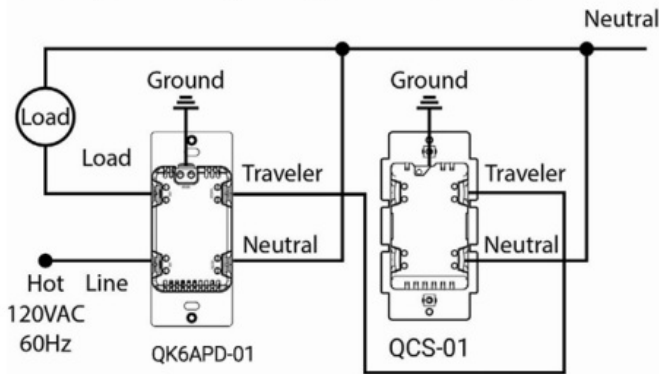
## **Manual Control**

The keypad allows the user to turn ON/OFF or dim UP/DN the connected fixture by completing the following steps:

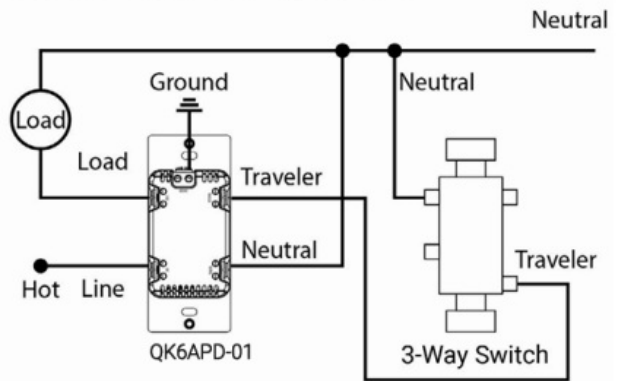
1. Press the top of the rocker to turn the light ON or press the bottom to turn it OFF.
2. Press/hold the UP arrow to dim the light UP, or press/hold the down arrow dim

DOWN.

### 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 the Line(Hot) enters the electrical circuit. Insert wires into holes, do not wrap wires around screws. Do not remove screws. The Qoralux 6-Button Keypad Dimmer is designed to operate in either 120 VAC or 277 VAC circuits. For 277 VAC 3-way circuits, use a standard “off-the-shelf” 277 VAC compatible 3-way switch. Refer to the Documentation section on SAVI’s dealer portal for user guides, datasheets, and more.

## LEGAL

- Input: 120/277 VAC 60 Hz
- 550W Incandescent@120/277 V, Dimmable 300 W CFL, LED@120/277 V
- 300 W ELV, MLV@120 V
- 200 W ELV, MLV@277 V
- Operating ambient temperature 0–40 °C
- Method of mounting included: Independently mounted (Vertical position only)
- Operating control, Type 1.B 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:  
QK6APD-01 Responsible Party – US Contact Information 2520 Marsh Lane, Carrollton,  
TX 75006-2401 [214-785-6510](tel: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 [saviconcontrols.com](http://saviconcontrols.com) to find the full FCC/IC statements. This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment and should be installed and operated with a minimum distance of 20 cm 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 and should be installed and operated with a minimum distance of 20 cm between the radiator and any part of your body.

## **Frequently Asked Questions**

Q: Can this dimmer be used with aluminum wire?

No, this dimmer is rated for and intended to only be used with copper wire.

How do I handle multi-switch wiring?

For 3-way installations, refer to the Install Guide - QoraLux Companion Switch for guidance.

What should I do when replacing light bulbs?


Pull out the air gap switch at the bottom to disconnect power to the load. Push it

back in after installation is complete for proper functionality.

What are the wire gauge requirements?


Use 5/8 inch (16 mm) strip length for attachment and follow UL-specified tightening torque of 14 Kgf/cm2 (12 lbf/in2) for screws.


## Documents / Resources

	<a href="#">SAVI iQ 6 Button Keypad Dimmer [pdf]</a> Installation Guide 6 Button Keypad Dimmer, Button Keypad Dimmer, Keypad Dimmer
---	--

## References

- [User Manual](#)

 SAVI

 6 Button Keypad Dimmer, Button Keypad Dimmer, Keypad Dimmer, SAVI

iQ

iQ

---

## Leave a comment

Your email address will not be published. Required fields are marked \*

Comment \*

Name

Email

Website

☐ Save my name, email, and website in this browser for the next time I comment.

**Post Comment**

**Search:**

e.g. whirlpool wrf535swhz

**Search**

[Manuals+](#) | [Upload](#) | [Deep Search](#) | [Privacy Policy](#) | [@manuals.plus](#) | [YouTube](#)

This website is an independent publication and is neither affiliated with nor endorsed by any of the trademark owners. The "Bluetooth®" word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. The "Wi-Fi®" word mark and logos are registered trademarks owned by the Wi-Fi Alliance. Any use of these marks on this website does not imply any affiliation with or endorsement.