

QS® Wireless Power Supply Panel

Installation
Instructions

QSPSY-P1-10-60

 **LUTRON®**

QS® Wireless | QSPSY-P1-10-60

120 V ~ 60 Hz
5 A Max Input Current

Installation instructions (please leave for occupant)

Please read before installing.

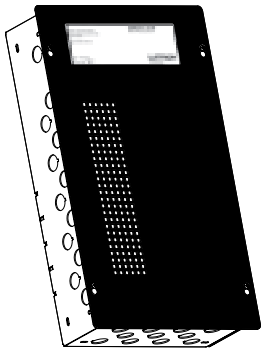
Tools required:

Wire Cutter/Stripper
Power Drill

Small Flathead Screwdriver
#2 Phillips Screwdriver

Box contents:

QSPSY-P1-10-60



CAUTION: Risk of serious injury or death. Lock circuit breaker in the off position or remove fuse before proceeding.

Notes:

- **Codes:** Install in accordance with all local and national electrical codes.
- **Environment:** Ambient operating temperature: 32 °F to 104 °F (0 °C to 40 °C), 0 to 90% humidity, non-condensing. Indoor use only.
- QSPSY-P1-10-60 must be installed by a qualified electrician.
- Separate over current protection is required to be provided in accordance with Canadian Electrical Code, Part 1.

1 Installation

1.1 Mount QSPSY-P1-10-60

Use one of the following methods: (Mounting Hardware is not provided) Do not mount in any other orientation.

Surface Mount - Use the keyholes located on the back of the enclosure to fasten the QSPSY-P1-10-60 to the wall. Use fasteners rated for a 50 lb. (23 kg) load. See illustration of QSPSY-P1-10-60.

Recess Mount - Install a 2 in x 4 in (50 mm x 100 mm) board between the studs as a bottom support. Fasten the QSPSY-P1-10-60 to the right stud and bottom support inserting fasteners through the mounting holes provided.

NOTICE:

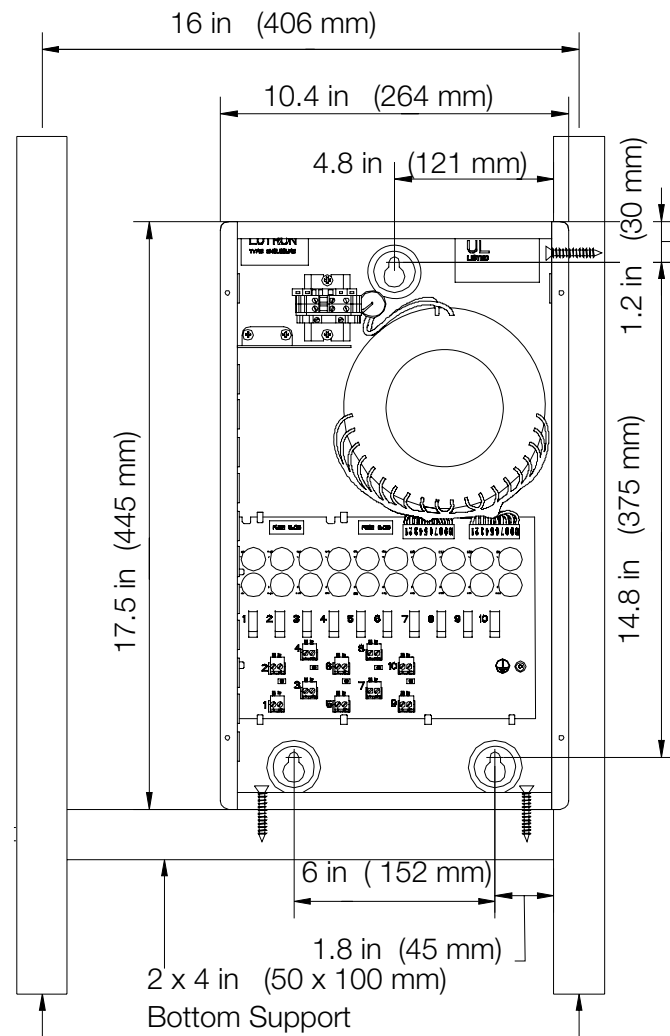
The equipment is air-cooled. Mount in a location where the vented cover will not be blocked. A minimum of 1 ft (300 mm) is necessary.

1.1.2 Connect 120 V ~ power wiring into the QSPSY-P1-10-60

Remove one of the knockout tabs on the top left side of the enclosure near the input terminal blocks. Insert a strain relief into the knockout hole. Run the power wire through the strain relief to the input terminal blocks at the top left side of the enclosure. Tighten terminal blocks to 3.5 to 5 in-lbs. (0.4-0.6 N•m).

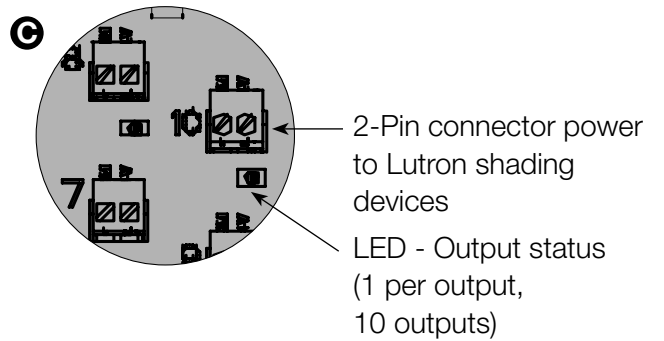
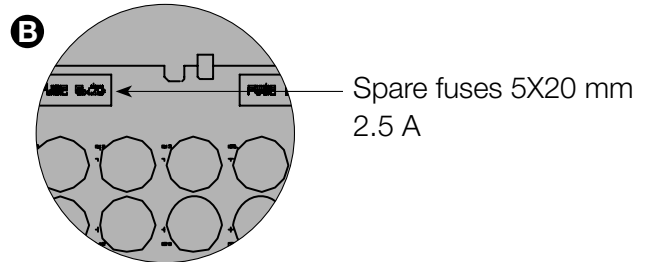
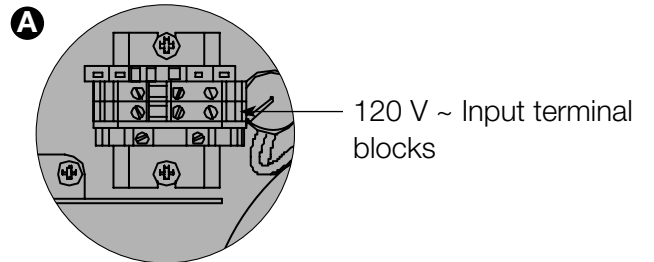
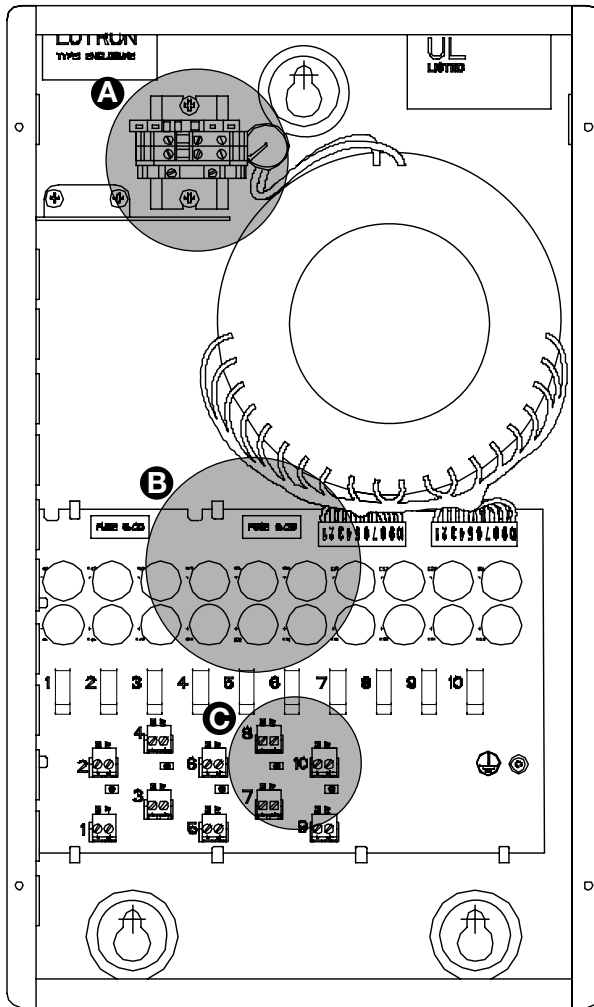
Notes:

- Maximum of 1 QSPSY-P1-10-60 per 15 A Breaker
- Maximum of 2 QSPSY-P1-10-60 per 20 A Breaker
- Use only High-Magnetic breakers



1 Installation (continued)

1.2 QSPSY-P1-10-60 Parts Identification



2 Power Wiring

2.1 Wire Length Chart

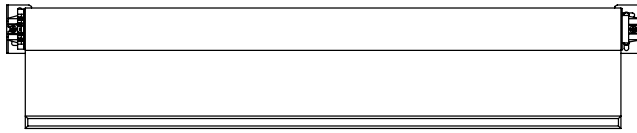
Maximum devices per one output	Maximum distance per one output based on wire guage		
Shades/Drapes	12 AWG (4 mm ²)	16 AWG (1.5 mm ²) QSHY-CBL-M-1000	18 AWG (1 mm ²)
1 Sivoia QS Wireless *Shade/Drapery Drive Unit	500 ft (150 m)	200 ft (60 m)	100 ft (30 m)
2 Sivoia QS Wireless roller 64, ≤ 30 sq ft (2.75 sq m) each	200 ft (60 m)	75 ft (20 m)	50 ft (15 m)
3 Sivoia QS Wireless roller 64, ≤ 20 sq ft (1.8 sq m) each			
2 Sivoia QS Wireless Roller 100 ≤50 sq ft (4.6 sq m) each			

* roller 20, roller 64, roller 100, roller 200CW, roller 225, D105, D145, D175, skylight

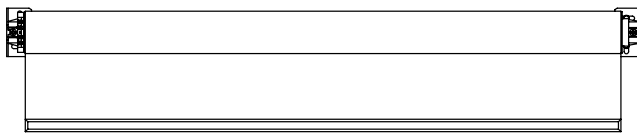
2 Power Wiring (continued)

2.2 Example: Multiple Shades Per Output

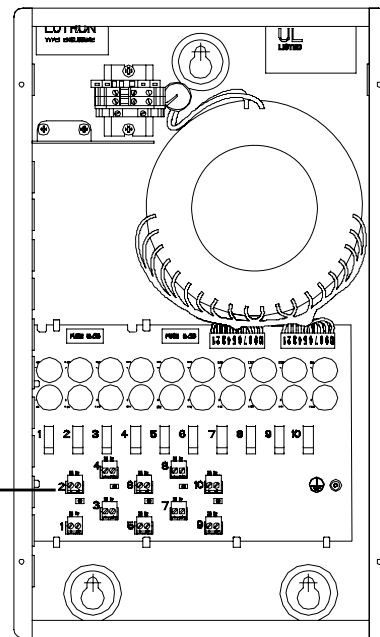
Sivoia QS wireless roller 64, 25 sq ft (2.25 sq m)



Sivoia QS wireless roller 64, 25 sq ft (2.25 sq m)



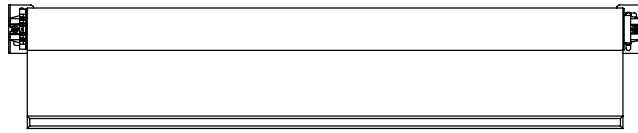
2-conductor wire
Refer to wire length chart
for wire gauge and distance
guidelines (Sec. 2.1)



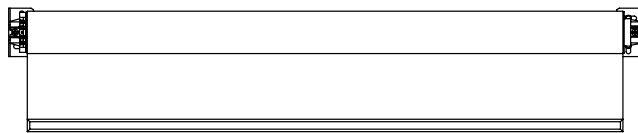
2 Power Wiring (continued)

2.3 Example: One Shade Per Output

Sivoia QS wireless shade/drape*

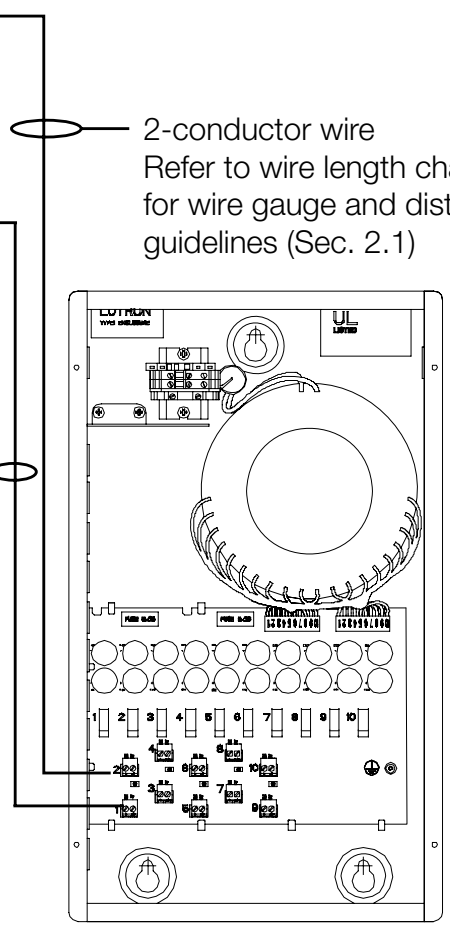


Sivoia QS wireless shade/drape*



2-conductor wire
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* roller 20, roller 64, roller 100, roller 200CW, roller 225, D105, D145, D175, skylight

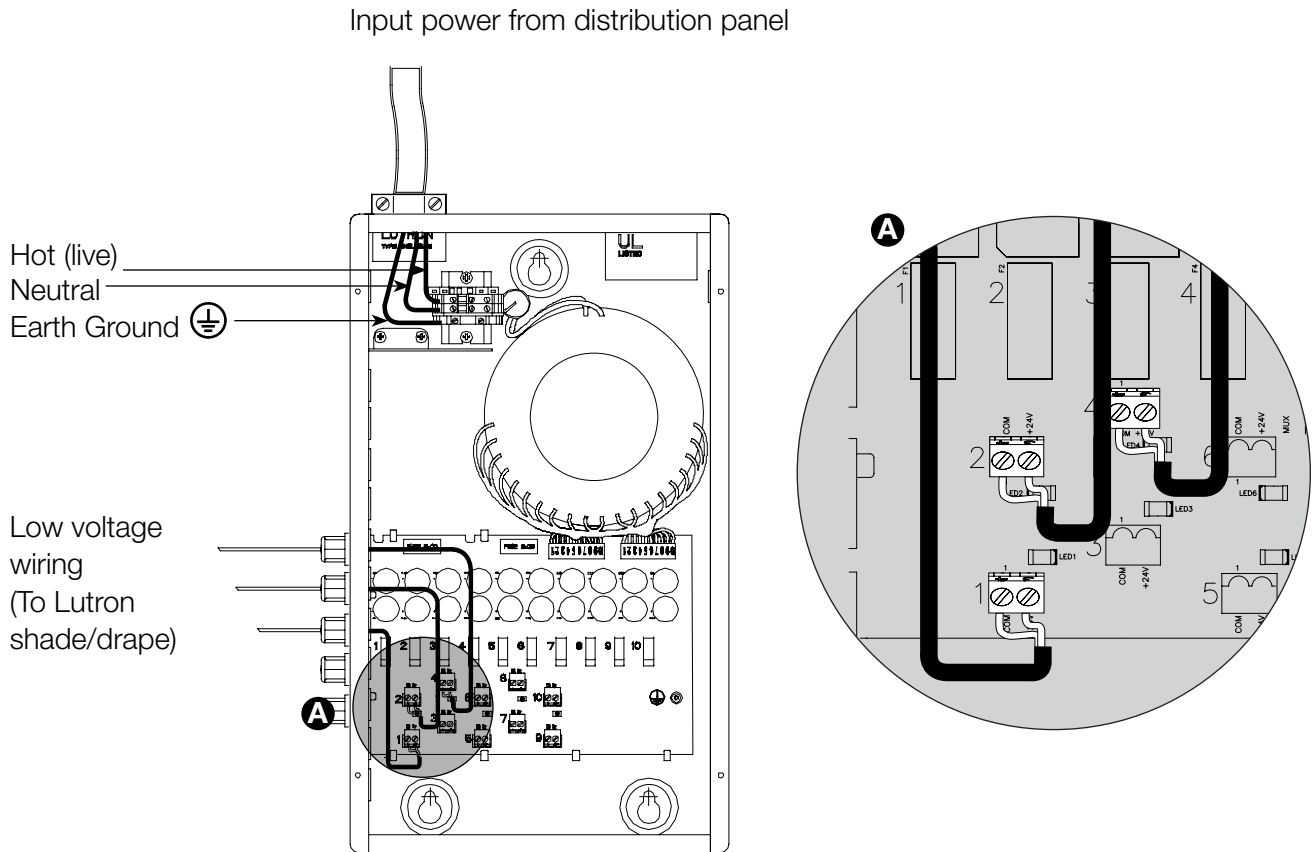
3 Wiring the QSPSY-P1-10-60

3.1 Run Low Voltage Wire into the QSPSY-P1-10-60

Remove as many knockout tabs as necessary from the left side of the enclosure and insert strain reliefs.

Run the low-voltage wiring from the Lutron shade(s) or drape(s) through the strain reliefs to the terminal blocks.

Strip insulation wire so that .25 in (7 mm) of bare wire is exposed. Make sure to tighten the screws tightly and that no insulation is inside of the terminal block.

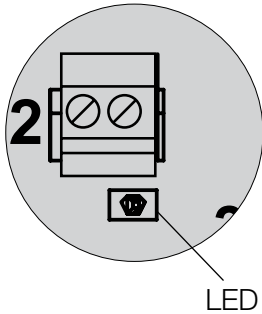


4 LED Feedback

4.1 Output Status LEDs

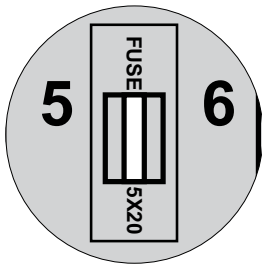
Each output has a status LED to indicate if the output is properly powered.

A Output status LEDs

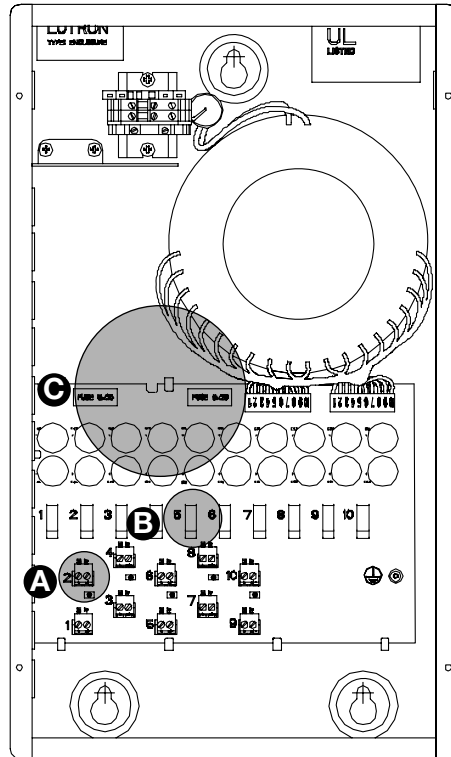
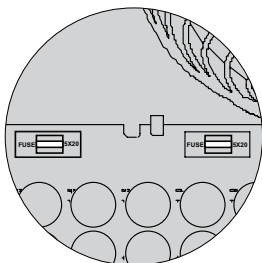


If an output status LED has turned off, the fuse will need to be replaced. The QSPSY-P1-10-60 comes with two spare 5x20 mm 2.5A fuses.

B Fuses



C Spare fuses



Limited warranty

SCOPE

This limited warranty ("Warranty") covers the Lutron supplied (a) Sivoia® QS Shade System ("Sivoia® QS Shade System"), (b) Sivoia QEDTM Shade System ("Sivoia QEDTM Shade System"), (c) manual shade system and (d) alternating current or a/c shade system (each of the foregoing being a "System"). Customer acknowledges and agrees that use of the System constitutes acceptance of all terms and conditions of this Warranty.

LIMITED WARRANTY

Subject to the exclusions and restrictions described below, Lutron warrants that each System will be free from manufacturing defects from the date of shipment by Lutron for a period of (a) one year as to the wall controls, interfaces and system accessories of the Sivoia QS Shade System ("External Sivoia QS Components") and (b) eight years as to the other Systems and the Roller Shade EDU, shade fabric and shade hardware of the Sivoia QS Shade System. If any manufacturing defect exists in the External Sivoia QS Components, so long as Customer promptly notifies Lutron of the defect within the one year warranty period and, if requested by Lutron, returns the defective part(s), Lutron will, at its option, either repair the defective part(s) or provide comparable replacement part(s). If any manufacturing defect exists in any of the components of a System other than the External Sivoia QS Components, so long as Customer promptly notifies Lutron of the defect within the eight year warranty period and, if requested by Lutron, returns the defective part(s), Lutron will, at its option, either repair the defective part(s) or issue a credit to the Customer against the purchase price of comparable replacement part(s) purchased from Lutron as provided below:

Replacement parts for the System provided by Lutron or, at its sole discretion, an approved vendor may be new, used, repaired, reconditioned, and/or made by a different manufacturer.

EXCLUSIONS AND RESTRICTIONS

This Warranty will be void, and Lutron and its suppliers will have no responsibility under this Warranty, if Lutron or its representatives cannot access any components of the System to inspect, diagnose problems with or repair the System or any of its components as a result of concealment or inaccessibility of such components within a building structure. This Warranty does not cover, and Lutron and its suppliers are not responsible for:

1. Damage, malfunction or inoperability diagnosed by Lutron or a Lutron approved third party as caused by normal wear and tear, abuse, misuse, incorrect installation, neglect, accident, interference or environmental factors, such as (a) use of incorrect line voltages fuses or circuit breakers; (b) failure to install, maintain and operate the System pursuant to the operating instructions provided by Lutron and the applicable provisions of the National Electrical Code and of the Safety Standards of Underwriter's Laboratories; (c) use of incompatible devices or accessories; (d) improper or insufficient ventilation; (e) unauthorized repairs or adjustments or alterations; (f) vandalism; (g) an act of God, such as fire, lightning, flooding, tornado, earthquake, hurricane or other problems beyond Lutron's control; or (h) direct exposure to corrosive materials.
2. On-site labor costs to diagnose issues with, and remove, repair, replace, adjust, reinstall and/or reprogram the System or any of its components.
3. Components and equipment external to the System, such as, non-Lutron lighting and automation systems; building wiring audiovisual equipment; and non-Lutron time clocks, photosensors and motion detectors.
4. The cost of repairing or replacing other property that is damaged when any System does not work properly, even if the damage was caused by the System.

THIS WARRANTY IS IN LIEU OF ALL OTHER EXPRESS WARRANTIES. ALL IMPLIED WARRANTIES, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND OF FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO EIGHT YEARS FROM THE DATE OF SHIPMENT, EXCEPT THAT SUCH IMPLIED WARRANTIES ARE LIMITED TO ONE YEAR FROM THE DATE OF SHIPMENT AS TO THE EXTERNAL SIVOIA QS COMPONENTS. NO LUTRON AGENT, EMPLOYEE OR REPRESENTATIVE HAS ANY AUTHORITY TO BIND LUTRON TO ANY AFFIRMATION, REPRESENTATION OR WARRANTY CONCERNING THE SYSTEMS. UNLESS AN AFFIRMATION, REPRESENTATION OR WARRANTY MADE BY AN AGENT, EMPLOYEE OR REPRESENTATIVE IS SPECIFICALLY INCLUDED HEREIN, OR IN STANDARD PRINTED MATERIALS PROVIDED BY LUTRON, IT DOES NOT FORM A PART OF THE BASIS OF ANY BARGAIN BETWEEN LUTRON AND CUSTOMER AND WILL NOT IN ANY WAY BE ENFORCEABLE BY CUSTOMER. IN NO EVENT WILL LUTRON OR ANY OTHER PARTY BE LIABLE FOR EXEMPLARY, CONSEQUENTIAL, INCIDENTAL OR SPECIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO DAMAGES FOR PERSONAL INJURY, FAILURE TO MEET ANY DUTY, INCLUDING OF GOOD FAITH OR REASONABLE CARE, NEGLIGENCE, OR ANY OTHER LOSS WHATSOEVER), NOR FOR ANY REPAIR WORK

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Contact the Lutron Technical Support Center at the numbers provided below or your local Lutron sales representative with questions concerning the installation or operation of the System or this Warranty, or to make a warranty claim. Please provide the exact model number when calling. The product may be covered under one or more of the following U.S. patents: 6,497,267; 6,983,783, and corresponding foreign patents. U.S. and foreign patents pending. Lutron and Sunburst logo are registered trademarks of Lutron Electronics Co., Inc.

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