Pico® wireless control

Installation Instructions
Please Read Before Installing

Pico® wireless control
QSR4P-3R, QSR8P-3R, QSRKP-3R,
QSRMP-3R, QSRKP-2R, QSRMP-2R,
QSRKP-2, QSRMP-2
3 V ⎓ 10 mA

QSR4P-3R
QSR8P-3R
QSRKP-3R
QSRMP-3R

QSRKP-2R
QSRMP-2R

QSRKP-2
QSRMP-2

Overview
Pico wireless controls are for use with Lutron® RF systems. The controls are programmed by the installer as shown in these instructions or the system Setup Guide.

Important Notes

Codes: Install in accordance with all local and national electrical codes.

Environment: Ambient operating temperature: 32 °F to 140 °F (0 °C to 60 °C), 0 to 90% humidity, non-condensing. Indoor use only.

Wallplates: Use only *Lutron* wallplates with this device. The mechanical design of the *Pico* wireless control is NOT compatible with non-*Lutron* wallplates. Claro® and Satin Colors® wallplates are strongly recommended for best color match and clean aesthetic appearance. Do not paint controls, buttons, or wallplates. Wallplates are sold separately.

Cleaning: To clean, wipe with a clean damp cloth. DO NOT use any chemical cleaning solutions.

Battery: The *Pico* wireless control uses one (1) CR 2032 battery (included). Keep battery out of reach of children. DO NOT use rechargeable batteries. Using improper batteries could damage the *Pico* wireless control. DO NOT dispose of the battery in normal household waste. Please recycle battery, take to a battery disposal facility, or contact your local waste disposal provider regarding local restrictions on the disposal or recycling of batteries. For California residents only: The batteries in these devices contain perchlorate material - special handling may apply. For more information visit: www.dtsc.ca.gov/hazardouswaste/perchlorate

RF Device Placement: RF dimmers, switches, keypads, controls and shades/draperies must be located within 30 ft (9 m) of an RF signal repeater. For systems without an RF signal repeater, all RF dimmers, switches, keypads, controls and shades/draperies must be located within 30 ft (9 m) of each other. Remote dimmers and switches hardwired to RF dimmers and switches are not required to be within a specific range.

Mounting: For optimal performance, DO NOT mount the *Pico* Wireless control to a metal surface.

Contents:
(1) *Pico* wireless control

(1) Blank backplate

(1) Wall mount plate

(4) Mounting screws

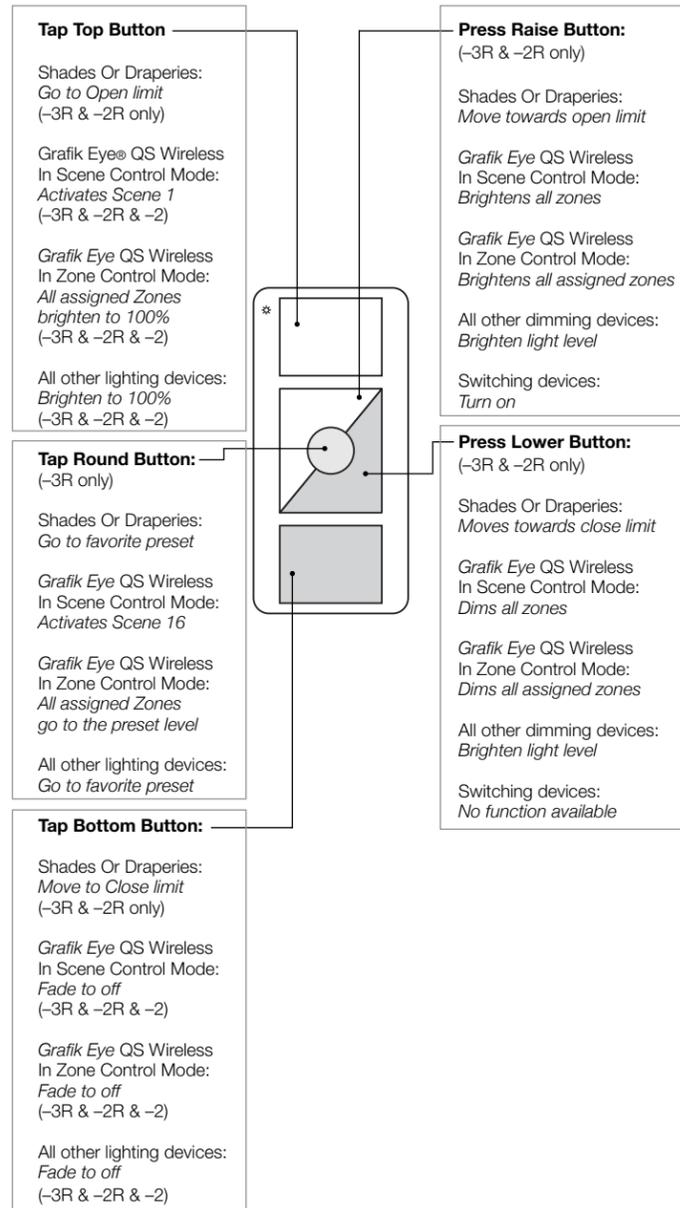(4) Screw anchors

(1) Wall mount template

Technical Assistance:
U.S.A./Canada: 1.800.523.9466
Mexico: +1.888.235.2910

Other Countries: +1.610.282.3800
24 hours a day, 7 days a week.

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1 | *Pico* Wireless Control Operation

The *Pico* wireless control can be used as a handheld remote, wall mount control or tabletop control. The *Pico* can simply be converted to a wall mount control by removing the back plate and attaching the control to the wall mount adapter plate that has been mounted to the wall. The *Pico* wireless control can also be converted to a tabletop control by attaching it to the optional tabletop pedestal.

Tap Top Button

Shades Or Draperies:
Go to Open limit
(–3R & –2R only)

Grafik Eye® QS Wireless
In Scene Control Mode:
Activates Scene 1
(–3R & –2R & –2)

Grafik Eye QS Wireless
In Zone Control Mode:
All assigned Zones brighten to 100%
(–3R & –2R & –2)

All other lighting devices:
Brighten to 100%
(–3R & –2R & –2)

Tap Round Button:
(–3R only)

Shades Or Draperies:
Go to favorite preset

Grafik Eye QS Wireless
In Scene Control Mode:
Activates Scene 16

Grafik Eye QS Wireless
In Zone Control Mode:
All assigned Zones go to the preset level

All other lighting devices:
Go to favorite preset

Tap Bottom Button:

Shades Or Draperies:
Move to Close limit
(–3R & –2R only)

Grafik Eye QS Wireless
In Scene Control Mode:
Fade to off
(–3R & –2R & –2)

Grafik Eye QS Wireless
In Zone Control Mode:
Fade to off
(–3R & –2R & –2)

All other lighting devices:
Fade to off
(–3R & –2R & –2)

Press Raise Button:
(–3R & –2R only)

Shades Or Draperies:
Move towards open limit

Grafik Eye QS Wireless
In Scene Control Mode:
Brightens all zones

Grafik Eye QS Wireless
In Zone Control Mode:
Brightens all assigned zones

All other dimming devices:
Brighten light level

Switching devices:
Turn on

Press Lower Button:
(–3R & –2R only)

Shades Or Draperies:
Moves towards close limit

Grafik Eye QS Wireless
In Scene Control Mode:
Dims all zones

Grafik Eye QS Wireless
In Zone Control Mode:
Dims all assigned zones

All other dimming devices:
Brighten light level

Switching devices:
No function available

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2 | Installation

The *Pico* wireless control can be used as a handheld remote, table top control or wall mount control. See the corresponding section below based on the type of installation desired.

Handheld remote: Slide the Blank Backplate into the back of the *Pico* wireless control.
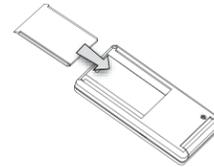
Tabletop control: Slide the *Pico* wireless control onto the Tabletop Pedestal (sold separately). Pedestal model numbers are: QSA-PED1 (holds 1 *Pico* control) and QSA-PED2 (holds 2 *Pico* controls).

L-PED1   L-PED2
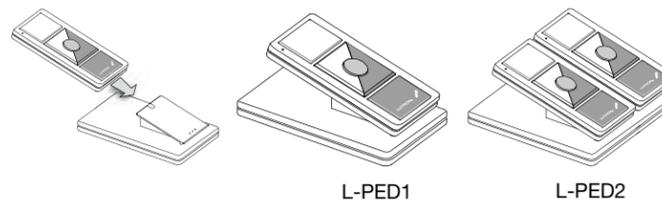
Wall mount control: See the *Wall Mount Template* sheet included with the *Pico* wireless control for various wall mount applications.

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3 | Battery Replacement

⚠️ **WARNING:** Burn hazard. To avoid the risk of fire, explosion or burns, DO NOT recharge, disassemble, crush, puncture or incinerate the battery. DO NOT heat the battery above 212 °F (100 °C).

1. Remove the battery holder screw and slide the battery holder out of the back of the *Pico* wireless control.

Battery Holder Screw
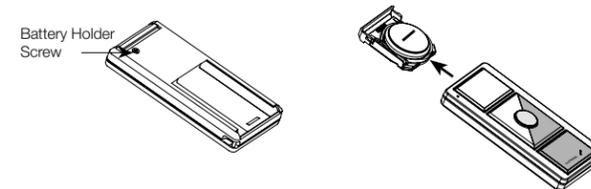
2. Remove existing battery and replace with a new CR 2032 battery, positive (+) side down. Slide battery holder back into the *Pico* wireless control until it snaps into place and insert the battery holder screw. Do not overtighten screw.

Battery Holder Screw

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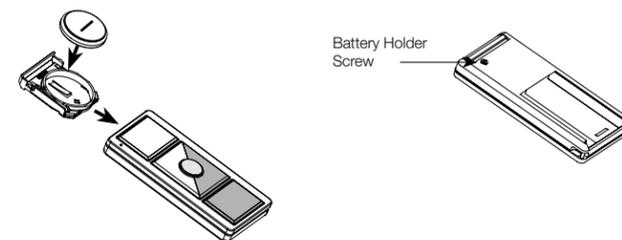
4 | Simple Setup

To program a system which contains a Main Repeater refer to the system Setup Guide. Follow the instructions below to program a system which does NOT contain a Main Repeater.

After all devices have been installed, the *Pico* wireless control must be programmed to control a set of dimmers, switches and shades/draperies. Programming a system which does NOT contain a Main Repeater consists of two steps:
1. Assigning dimmers, switches, keypads and shades/draperies to a *Pico* wireless control
2. Saving the desired light levels and shade/drapery positions

Assigning devices to a *Pico* wireless control
1. **Enter assign mode** – press and hold the top and bottom buttons of the *Pico* wireless control until the LED begins to flash (approximately 6 seconds).
   Note: The *Pico* control will automatically exit assign mode after 10 minutes.
2. **Assign devices to the *Pico* wireless control**
   a. Dimmers/switches – press and hold the tapswitch on the device until the load flashes 3 times (approximately 6 seconds). The LEDs on assigned dimmers and switches will continue to flash while the *Pico* control is in assign mode.
   b. Shades/draperies – press any button on the drive and the LED will flash.
3. **Assign keypad columns** – press and hold the bottom button of the keypad column to be assigned until the LEDs begin to flash (approximately 6 seconds).
4. When all devices have been assigned, exit assign mode by holding the top and bottom buttons of the *Pico* wireless control until the LED stops flashing (approximately 3 seconds).
5. **Confirm programming** by individually pressing every button on the *Pico* wireless control. Assigned devices respond to the button press by going to the default level for that button. During normal operation, when a button is pressed, the LED next to the top button will flash for 1-2 seconds and turn off to conserve battery power.

Saving light levels and shade/drapery positions
You can customize the levels or positions of the devices assigned to a *Pico* wireless control by using the steps below. The *Pico* control containing the button to be customized must have already been programmed according to **Assigning devices to a *Pico* wireless control**, above.
1. **Press the button** you wish to customize. The lights and shades/draperies will move to the default level(s) and/or position(s) for this button. Wait until the lights and shades/draperies stop dimming and moving.
2. **Adjust** each dimmer, switch and shade/drapery assigned to that column as follows:
   a. Dimmers - use the tapswitch to toggle the lights on or off. Use the raise or lower button on the right side of the dimmer to make adjustments to the desired light levels.
   b. Switches - use the tapswitch to toggle the lights on or off.
   c. Shades/draperies - use the clockwise or counter-clockwise buttons on the shade/drapery to adjust the position.
3. **Making dimmers, switches and shades/draperies 'unaffected'** (optional) – to make assigned devices not respond to a button press, you may make the devices 'unaffected'. During normal operation when you press a button on a control, a device that is 'unaffected' will ignore that button press. The light level or shade/drapery position will not change. To make devices 'unaffected', follow the corresponding step below based on the type of device to be made 'unaffected'.
   a. Dimmer – if the dimmer is on, turn it off using the tapswitch. After the dimmer is completely off, hold the lower rocker until the three middle LEDs turn on (approximately 6 seconds), signifying that the next save will be ignored. **
   b. Switch – if the switch is on, turn it off using the tapswitch. Pull the FASS™ switch out. Press and hold the tapswitch. While still holding the tapswitch, push the *FASS* switch in. Continue holding the tapswitch until the LED flashes, signifying that the next save will be ignored. **
   c. Shade/Drapery – if the shade/drapery is open, close it using either the clockwise or counter-clockwise button. Release the button. After the shade/drapery is closed, press and hold the same button used to close the shade/drapery until the green LED blinks (approximately 10 seconds), signifying that the next save will be ignored. **
4. **Press and hold the selected *Pico* wireless control button until the LED flashes** (approximately 6 seconds) to save the current levels or the 'unaffected' status. The LED will blink rapidly for 1-2 seconds to confirm that the save was successful.

** After a device becomes 'unaffected', you have 10 minutes to complete the save for all dimmers, switches and shades/draperies.
Note: To change the 'unaffected' status of a dimmer, switch or shade/drapery, follow the steps in **Saving light levels and shade/drapery positions** above.
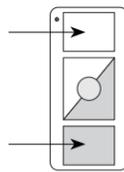

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5 Assigning a GRAFIK Eye® Wireless Unit to the Pico® Wireless Control

5.1 Scene Control

5.1.1 Set the wireless mode on the *GRAFIK Eye* unit to "Setup Mode". Refer to the instructions that came with the *GRAFIK Eye* unit.

5.1.2 Place the *Pico* wireless control into Programming Mode by pressing and holding the Top button and Bottom button for 3 seconds.

5.1.3 The *GRAFIK Eye* unit should display a screen saying: "Pico: change type?"

5.1.4 Press OK on the *GRAFIK Eye* unit, select the "Scene" type, then press OK.

5.1.5 Now hold the Top Scene button on the *GRAFIK Eye* unit for 3 seconds. The scene LEDs should start flashing and all zones should go to maximum intensity.
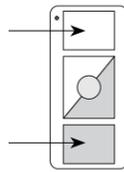
5.1.6 Exit Programming Mode on the *Pico* wireless control by pressing and Top button and Bottom button for 3 seconds.

5.2 Zone Control

5.2.1 Set the wireless mode on the *GRAFIK Eye* unit to "Setup Mode". Refer to the instructions that came with the *GRAFIK Eye* unit.

5.2.2 Place the *Pico* wireless control into Programming Mode by pressing and holding the Top button and Bottom button for 3 seconds.

5.2.3 The *GRAFIK Eye* unit should display a screen saying: "Pico: change type?"

5.2.4 Press OK on the *GRAFIK Eye* unit, select the "Zone" type, then press OK

5.2.5 Set a zone to a desired preset level, using the Raise and Lower buttons on the *GRAFIK Eye* unit. Then press and hold both the Raise and Lower button until the Zone LEDs begin to flash.

5.2.6 Repeat step 5.2.5 for each zone that will be controlled by the *Pico* wireless control.

5.2.7 Exit Programming Mode on the *Pico* wireless control by pressing and holding the Top button and Bottom button for 3 seconds.
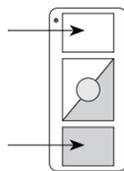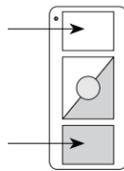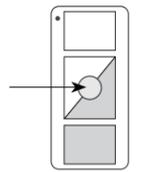
6 Storing a Favorite Preset (not applicable to GRAFIK Eye QS)

The round button on the *Pico* wireless control allows the user to recall a favorite preset of all the devices assigned to that control.

6.1 Position the shade(s), drapery(ies) or light level to the desired setting using the Raise or Lower button on the *Pico* wireless control.
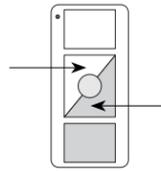
6.2 Press and hold the round button on the *Pico* wireless control for 5 seconds. The green LED on the control will flash rapidly for 5 seconds, turn off for 5 seconds, flash rapidly and turn off indicating the preset has been stored.

Troubleshooting Guide (for simple setup)

Symptom	Probable Cause and Action
LED on a *Pico* wireless control doesn't light up when buttons on it are pressed.	Dead, low, or no battery in *Pico* wireless control. • Install new battery. Battery is installed incorrectly (reversed polarity). • Install battery as indicated in the **Battery Replacement** section**.**
A specific dimmer, switch or shade/drapery not controlled when a button is pressed on a *Pico* wireless control.	The dimmer, switch or shade/drapery is not assigned to the *Pico* control. • Follow the steps in **Assigning devices to a *Pico* wireless control.** The device is 'unaffected' for that button. • Follow the steps in **Saving light levels and shade/drapery positions** to change the 'unaffected' status of the device. The lamp(s) controlled by the dimmer/switch is (are) burned out. • Replace the lamp(s). Either there is no power to the device or the *FASS*™ switch is pulled out on a dimmer/switch. • Ensure that the device is powered and push the *FASS* switch in. Devices are out of range. • Check to make sure all *Pico* controls, keypads, dimmers, switches and shades/draperies are within 30 ft (9 m) of each other.
Dimmer, switch or shade/drapery does not go to the desired level or position when a button on the *Pico* wireless control is pressed.	The button was not programmed correctly. • Follow the steps in **Saving light levels and shade/drapery positions** to program the button. The device is 'unaffected' for that button. • Follow the steps in **Saving light levels and shade/drapery positions** to change the 'unaffected' status of the device. The button pressed is the bottom button. • The bottom button cannot be saved or modified. Devices are out of range. • Check to make sure all *Pico* controls, keypads, dimmers, switches and shades/draperies are within 30 ft (9 m) of each other.

Note: *Refer to the system Setup Guide for additional troubleshooting suggestions.*

Returning *Pico* wireless controls to Factory Settings

Note: Returning a *Pico* wireless control to its Factory Settings will remove it from the system and erase all programming.

Step 1: Triple tap and hold either the Top or Bottom button on a *Pico* wireless control. DO NOT release the button after the third tap.

Step 2: Keep the button pressed on the third tap until the LED next to the top button turns on solid (approximately 3 seconds).

Step 3: Immediately release the button and triple tap it again. The LED next to the top button will flash quickly. When the LED stops flashing, the control has been returned to Factory Settings.

FCC Information (For model number QSR4P-3R)

Note:

This 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 generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio and 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.

Note:

Changes or modifications not expressly approved by Lutron Electronics Co. could void the user's authority to operate this equipment.

* 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.

This Class B digital apparatus complies with Canadian ICES-003.

CE Information (For model numbers QSR8P-3R, QSRKP-3R, QSRMP-3R, QSRKP-2R, QSRMP-2R, QSRKP-2 and QSRMP-2)

Lutron Electronics hereby declares that the model numbers listed above are in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC. A copy of the DoC can be obtained by writing to: Lutron Electronics Co., Inc. 7200 Suter Road, Coopersburg, PA 18036 U.S.A.

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IDA Compliance Information (For model numbers QSRMP-3R, QSRMP-2R and QSRMP-2)

Complies with IDA standards DA 103083

TRA Compliance Information (For model numbers QSR8P-3R, QSRKP-3R, QSRKP-2R and QSRKP-2)

TRA REGISTERED NO: ER0037292/10 DEALER NO: 0016561/08

Warranty

Lutron Electronics Co., Inc.

One Year Limited Warranty

For a period of one year from the date of purchase, and subject to the exclusions and restrictions described below, Lutron warrants each new unit to be free from manufacturing defects. Lutron will, at its option, either repair the defective unit or issue a credit equal to the purchase price of the defective unit to the Customer against the purchase price of comparable replacement part purchased from Lutron. Replacements for the unit provided by Lutron, or at its sole discretion, an approved vendor may be new, used, repaired, reconditioned, and/or made by a different manufacturer.

If the unit is commissioned by Lutron or a Lutron approved third party as part of a Lutron commissioned lighting control system, the term of this warranty will be extended, and any credits against the cost of replacement parts will be prorated, in accordance with the warranty issued with the commissioned system, except that the term of the unit's warranty term will be measured from the date of its commissioning.

EXCLUSIONS AND RESTRICTIONS

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 unit 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; (f) vandalism; or (g) an act of God, such as fire, lightning, flooding, tornado, earthquake, hurricane or other problems beyond Lutron's control.

2. On-site labor costs to diagnose issues with, and to remove, repair, replace, adjust, reinstall and/or reprogram the unit or any of its components.

3. Equipment and parts external to the unit, including those sold or supplied by Lutron (which may be covered by a separate warranty).

4. The cost of repairing or replacing other property that is damaged when the unit does not work properly, even if the damage was caused by the unit.

EXCEPT AS EXPRESSLY PROVIDED IN THIS WARRANTY, THERE ARE NO EXPRESS OR IMPLIED WARRANTIES OF ANY TYPE, INCLUDING ANY IMPLIED WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY. LUTRON DOES NOT WARRANT THAT THE UNIT WILL OPERATE WITHOUT INTERRUPTION OR BE ERROR FREE.

NO LUTRON AGENT, EMPLOYEE OR REPRESENTATIVE HAS ANY AUTHORITY TO BIND LUTRON TO ANY AFFIRMATION, REPRESENTATION OR WARRANTY CONCERNING THE UNIT. 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.

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NOTWITHSTANDING ANY DAMAGES THAT CUSTOMER MIGHT INCUR FOR ANY REASON WHATSOEVER (INCLUDING, WITHOUT LIMITATION, ALL DIRECT DAMAGES AND ALL DAMAGES LISTED ABOVE), THE ENTIRE LIABILITY OF LUTRON AND OF ALL OTHER PARTIES UNDER THIS WARRANTY ON ANY CLAIM FOR DAMAGES ARISING OUT OF OR IN CONNECTION WITH THE MANUFACTURE, SALE, INSTALLATION, DELIVERY, USE, REPAIR, OR REPLACEMENT OF THE UNIT, OR ANY AGREEMENT INCORPORATING THIS WARRANTY, AND CUSTOMER'S SOLE REMEDY FOR THE FOREGOING, WILL BE LIMITED TO THE AMOUNT PAID TO LUTRON BY CUSTOMER FOR THE UNIT. THE FOREGOING LIMITATIONS, EXCLUSIONS AND DISCLAIMERS WILL APPLY TO THE MAXIMUM EXTENT ALLOWED BY APPLICABLE LAW, EVEN IF ANY REMEDY FAILS ITS ESSENTIAL PURPOSE.

TO MAKE A WARRANTY CLAIM

To make a warranty claim, promptly notify Lutron within the warranty period described above by calling the Lutron Technical Support Center at (800) 523-9466. Lutron, in its sole discretion, will determine what action, if any, is required under this warranty. To better enable Lutron to address a warranty claim, have the unit's serial and model numbers available when making the call. If Lutron, in its sole discretion, determines that an on-site visit or other remedial action is necessary, Lutron may send a Lutron Services Co. representative or coordinate the dispatch of a representative from a Lutron approved vendor to Customer's site, and/or coordinate a warranty service call between Customer and a Lutron approved vendor.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

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Japan: +81.3.5575.8411

Macau: 0800.401

Singapore: 800.120.4491

Taiwan: 00.801.137.737

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