RadioRA3

Standard Keypad

044428 Rev A
11/2025

Please read before installing.

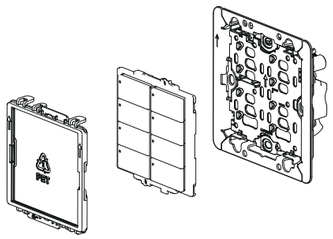
English

RR-WS-2
RRE-WSS-2
220 – 240 V~ 50/60 Hz 1 mA

Included Components

Bulk Keypad
Mounting Plate
Button Kit*
Construction Cover
Mounting Screws

***RR-WS-2 only**



Help

RA3 Support Center

For additional support with installing, programming, and troubleshooting

lutron.com/RA3support

Europe: **0800.282.107 or +44.(0)20.7702.0657**

www.lutron.com/support

Limited Warranty:
www.lutron.com/warranty or call 1.844.LUTRON1 (USA/Canada) or +1.610.282.3800 (Others) for a printed copy.

CE

Hereby, Lutron Electronics Co., Inc. declares that the radio equipment type RR-WS-2 and RRE-WSS-2 are in compliance with Directive 2014/53/EU

The full text of the EU declaration of conformity is available at the following internet address: lutron.com/cedoc

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LUTRON

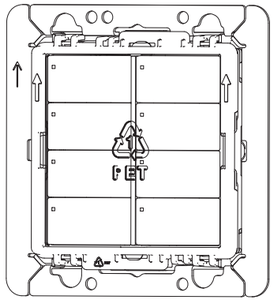
1 Turn OFF power at circuit breaker or remove fuse



WARNING: SHOCK HAZARD.
May result in serious injury or death. Always isolate the mains power supply or remove fuse before servicing or installing.

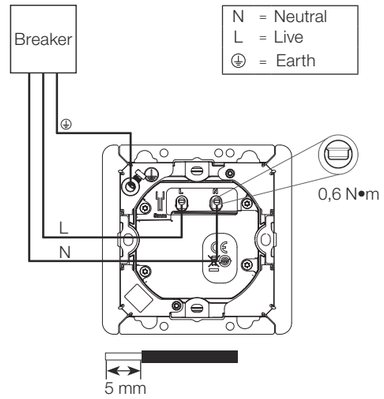
2 Wiring

Connect the wires using the diagram.



RR-WS-2 shown above

Note: RRE-WSS-2 will not have a button kit on the bulk unit.

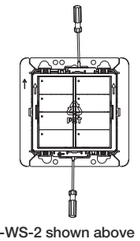


Products must be installed in accordance with the latest building and wiring regulations.

Note: Terminals are designed for one wire per terminal only.

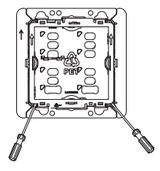
3 Removing the construction cover

Construction cover with a button kit:



RR-WS-2 shown above

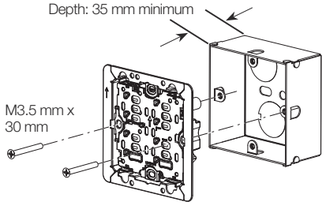
Construction cover without a button kit:



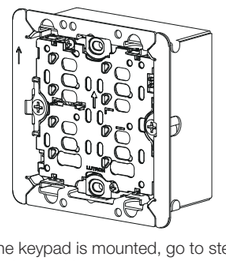
RRE-WSS-2 shown above

Pry off the construction cover using a screwdriver or similar tool. The construction cover will be reinstalled in step 6. If a button kit is already installed before this step, it should stay installed in the construction cover during removal.

4 Mounting



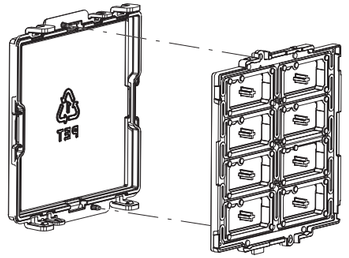
Mount the keypad to the backbox using the horizontally located screw holes only as shown. The vertical mounting holes are not compatible with a square backbox. Do not use them.



After the keypad is mounted, go to step 5 to add the button kit.

If the button kit was already installed with the construction cover, go to step 6.

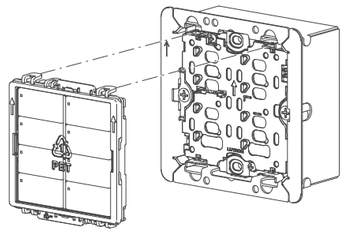
5 Installing the button kit to the construction cover



Snap the construction cover onto the button kit.

The button kit is sold separately from the RRE-WSS-2 keypad. If you do not have a button kit, reinstall the construction cover until you have a button kit.

6 Installing the construction cover to the keypad



Snap the construction cover onto the keypad, engaging the top two snaps first and then the bottom two.

Replace the construction cover with the wallplate after construction has been completed.

Note: Wallplate installation instructions are included with the wallplate.

7 Turn ON power at circuit breaker or install fuse



8 System setup

This keypad must be used in a RadioRA 3 system with a processor for control of dimmers, switches, and shades.

Use the RadioRA 3 programming software to setup the system (training is required to access the software).

Note: Do not attempt to program a keypad if it does not have a button kit installed.

IMPORTANT

1. Install in accordance with all national and local electrical codes.
2. For indoor use only between 0 °C and 40 °C; 0%–90% humidity, non-condensing.

Return to Factory Settings

Note: Returning a keypad to its factory settings will remove the keypad from the system and erase all programming.

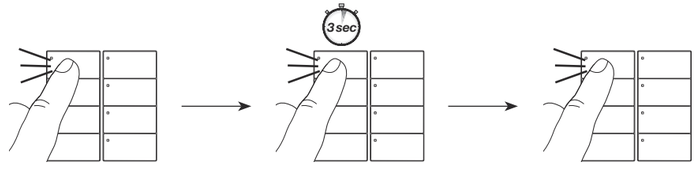
Note: On a 2-column keypad, the below steps must be performed on the left column.

Step 1: Triple tap the top button on the keypad. DO NOT release after third tap.

Step 2: Keep the button pressed on the third tap until all the status LEDs start to flash slowly (approximately 3 seconds).

Step 3: Immediately release the button and triple tap the button again. The status LEDs on the keypad will flash quickly.

The keypad has now been returned to its factory settings.



Troubleshooting

Symptom	Cause	Action
Status LEDs on the keypad don't light up when buttons on it are pressed	Power not present at keypad	Circuit breaker OFF or fuse is faulty. Turn ON breaker or replace fuse
	Incorrect wiring	Check the wiring against Step 2 of the instructions.
A specific dimmer, switch or shade/drapery is not controlled when a button is pressed on the keypad	The dimmer, switch or shade/drapery is not assigned to the keypad	Refer to the RadioRA 3 programming software and ensure the device is assigned to the keypad. Perform a transfer and make sure it is successful.
	Failure has occurred on the lamp(s) controlled by the dimmer/switch	Replace the lamp(s).
	There is no power to the dimmer, switch, shade/drapery	Ensure that the device is powered.
	Devices are out of range	Ensure the device is placed within 6 m of two additional compatible wireless devices.
Dimmer, switch or shade/drapery does not go to the desired level or position when a button on the keypad is pressed	The button was not programmed correctly	Refer to the RadioRA 3 programming software and ensure the device is assigned to the keypad. Perform a transfer and make sure it is successful.
	Devices are out of range	Ensure the device is placed within 6 m of two additional compatible wireless devices.
All status LEDs on the keypad flash when any button is pressed	The keypad is in the Factory Settings mode and has not been configured to work in a system	Refer to the RadioRA 3 programming software and ensure the device is assigned to that keypad. Perform a transfer and make sure it is successful.
The LEDs on the right column of a 2-column keypad are not lit, but the LED briefly turns on for about 3 seconds when the corresponding button is pressed	The 2-column keypad was activated in a location which was defined in the system as a 1-column keypad	Check the system configuration to confirm that the keypad is currently defined as a 1-column keypad. If it is, deactivate the device in the system, remove the 1-column keypad from the system, and then add it again as a new 2-column keypad.

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