



Designer RF Keypads

120 V~ 50/60 Hz 0.5 A

Typical Power Consumption*: 0.6 W

Installation Instructions

Please Read Before Installing

HQRD-W1B	HQRD-W6B	HQRD-W6BRL
HQRD-W2BS	HQRD-W7B	HQRD-W5BIR
HQRD-W3BS	HQRD-W3BSRL	HQRD-W1RLD
HQRD-W4BS	HQRD-W4S	HQRD-W2RLD
HQRD-W5B	HQRD-W5BRL	HQRD-W3BD

Use these instructions to install the model numbers listed above.

Important 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.

Wallplates

Use only Lutron® wallplates with these devices. The mechanical design of the keypad is NOT compatible with non-Lutron wallplates. Non-Lutron wallplates will NOT sit flush against the wall. Claro® and Satin Colors® wallplates are strongly recommended for best color match and clean aesthetic appearance. Do not paint controls, buttons, or wallplates.

Cleaning

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

Wallboxes

All keypads require a U.S. wallbox. 3 1/2 in (89 mm) deep recommended, 2 1/4 in (57 mm) deep minimum.

RF Device Placement

RF devices must be located within 30 ft (9 m) of an RF signal repeater. Remote dimmers and switches are not required to be within a specific range of a repeater.

Engraving

Refer to the HomeWorks QS software for engraving instructions.

System Programming

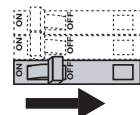
Programming and activation (addressing) must be accomplished through the HomeWorks QS software.

*Typical Power Consumption test conditions: all backlights on medium intensity, two LEDs on (two presets active), keypad powered at 120 V~.

Installation



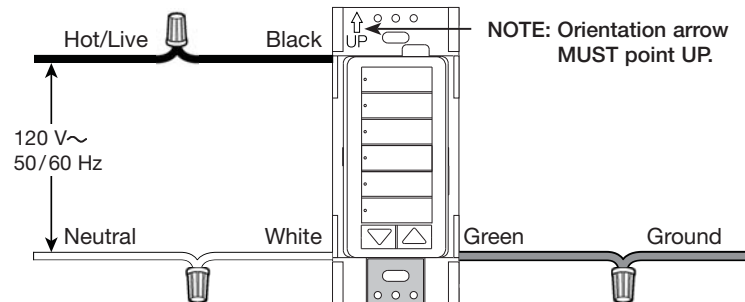
WARNING: Shock Hazard. To avoid the risk of electric shock, locate and remove fuse or lock circuit breaker in the OFF position before proceeding. Wiring with power ON could result in serious injury or death.



1. Turn power OFF at fusebox or circuit breaker.
2. Prepare wires. When making wire connections, follow the recommended strip lengths and combinations for the supplied wire connectors. Note: Wire connectors provided are suitable **for copper wire only**.

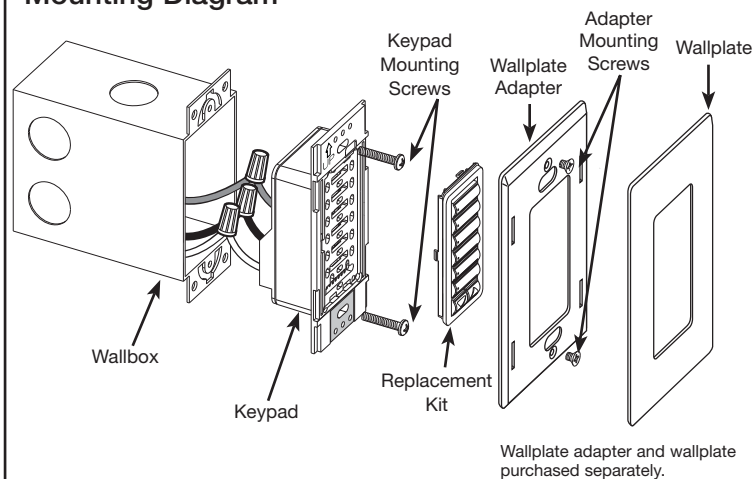
- Strip insulation 3/8 in (10 mm) for 14 AWG (1.5 mm²).
- Strip insulation 1/2 in (13 mm) for 18 AWG (0.75 mm²).
- Use to join one 14 AWG (1.5 mm²) with one 18 AWG (0.75 mm²) wires.

3. Wire control.

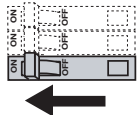


4. Push all wires back into the wallbox and loosely fasten the control to the wallbox using the keypad mounting screws provided. Do not pinch the wires. See **Mounting Diagram** below.

Mounting Diagram



5. Install Replacement Kit (if applicable).
6. Attach Lutron *Claro* or *Satin Colors* wallplate adapter and wallplate (see **Mounting Diagram**).
 - a. Install the wallplate adapter onto the front of the keypad(s).
 - b. Tighten keypad mounting screws until wallplate adapter is flush to wall (do not over-tighten).
 - c. Snap wallplate onto wallplate adapter and verify that buttons are aligned properly.
 - d. If control(s) are misaligned, loosen keypad mounting screws appropriately.
7. Restore power.



Troubleshooting Guide

Symptom	Probable Cause and Action
LEDs on a keypad don't light up when the buttons on it are pressed.	Power not present at keypad. <ul style="list-style-type: none"> • Circuit breaker OFF. Turn ON breaker.
	Incorrect wiring. <ul style="list-style-type: none"> • Wire the keypad according to the Installation section.
The keypad does not control dimmers, shades or other system devices.	All LEDs on the keypad flash when any button is pressed. <ul style="list-style-type: none"> • The device is in the Factory Default Settings mode and has not been activated into the system. Use the <i>HomeWorks QS</i> software to verify activation or re-activate the device and transfer its database.
	Device is not communicating with the system. <ul style="list-style-type: none"> • Device is out of range of an RF signal repeater.
	Device is not properly programmed. <ul style="list-style-type: none"> • Program the device using the <i>HomeWorks QS</i> software

Returning a Keypad to Factory Settings

Returning a keypad to Factory Settings will remove the keypad from the system and erase all programming.

Step 1: Triple tap any button on the keypad (except raise/lower). 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 Factory Settings.

Warranty: For warranty information, please see the Warranty enclosed with the product, or visit www.lutron.com/resinfo