HomeWorks Wired seeTouch Designer Keypads

HomeWorks seeTouch keypads provide homeowners with a simple and elegant way to operate lights, shades/draperies, motorized screens, thermostats, and many other devices.

HomeWorks seeTouch keypads feature large, easy-to-use buttons, plus a unique backlit engraving option that makes the keypads readable any time of the day or night. seeTouch buttons are rounded, allowing engraving to be displayed at an upward angle, increasing readability.

Replacement Kits are available in a variety of colors and with custom engraving to clearly identify each button's function. The flexible design of the keypads allows the color, number of buttons, and button configuration to be changed by installing a new engraved Replacement Kit.

HomeWorks wired seeTouch models have two contact closure inputs on the back of the unit which provide independent functions from the front buttons. Other options include configurations with infrared receiver and raise/lower buttons.

Use Lutron Designer (Claro or Satin Colors) wallplates. Wallplates are sold separately. Lutron Claro and Satin Colors wallplates snap on with no visible means of attachment.


HQWD-W1B


HQWD-W2BS


HQWD-W3BS


HQWD-W3BSRL


HQWD-W3S


HQWD-W4BS


HQWD-W4S


HQWD-W5B


HQWD-W5BRL


HQWD-W5BIR


HQWD-W6B


HQWD-W6BRL


HQWD-W7B


HQWD-W1RLD


HQWD-W2RLD


HQWD-W3BD

Model Numbers

HQWD-W1B-XX*	1 Button Keypad
RKD-W1B-XX*-E	Engraved Replacement Kit
HQWD-W2BS-XX*	2 Button Keypad
RKD-W2BS-XX*-E	Engraved Replacement Kit
HQWD-W3BS-XX*	3 Button Keypad
RKD-W3BS-XX*-E	Engraved Replacement Kit
HQWD-W3BSRL-XX*	3 Button with Raise/Lower Keypad
RKD-W3BSRL-XX*-E	Engraved Replacement Kit
HQWD-W3S-XX*	3 Scene with Raise/Lower Keypad
RKD-W3S-XX*-E	Engraved Replacement Kit
HQWD-W4BS-XX*	4 Button Keypad
RKD-W4BS-XX*-E	Engraved Replacement Kit
HQWD-W4S-XX*	4 Scene with Raise/Lower Keypad
RKD-W4S-XX*-E	Engraved Replacement Kit
HQWD-W5B-XX*	5 Button Keypad
RKD-W5B-XX*-E	Engraved Replacement Kit
HQWD-W5BRL-XX*	5 Button with Raise/Lower Keypad
RKD-W5BRL-XX*-E	Engraved Replacement Kit
HQWD-W5BIR-XX*	5 Button with Raise/Lower Keypad and Infrared Receiver
RKD-W5BIR-XX*-E	Engraved Replacement Kit
HQWD-W6B-XX*	6 Button Keypad
RKD-W6B-XX*-E	Engraved Replacement Kit
HQWD-W6BRL-XX*	6 Button with Raise/Lower Keypad
RKD-W6BRL-XX*-E	Engraved Replacement Kit
HQWD-W7B-XX*	7 Button Keypad
RKD-W7B-XX*-E	Engraved Replacement Kit
HQWD-W1RLD-XX*-E	Dual Group with Raise/Lower Keypad
RKD-W1RLD-XX*	Engraved Replacement Kit
HQWD-W2RLD-XX*	Dual Group with Dual Raise/Lower Keypad
RKD-W2RLD-XX*-E	Engraved Replacement Kit
HQWD-W3BD-XX*	Dual Group Keypad
RKD-W3BD-XX*-E	Engraved Replacement Kit

*"XX" in the model number represents color/finish code. See **Colors and Finishes** at end of document.

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Specifications

Model Numbers	**Keypads:** HQWD-W1B, HQWD-W2BS, HQWD-W3BS, HQWD-W3BSRL, HQWD-W3S, HQWD-W4BS, HQWD-W4S, HQWD-W5B, HQWD-W5BRL, HQWD-W5BIR, HQWD-W6B, HQWD-W6BRL, HQWD-W7B, HQWD-W1RLD, HQWD-W2RLD, HQWD-W3BD **Replacement Kits:** RKD-W1B-XX-E, RKD-W2BS-XX-E, RKD-W3BS-XX-E, RKD-W3BSRL-XX-E, RKD-W3S-XX-E, RKD-W4BS-XX-E, RKD-W4S-XX-E, RKD-W5B-XX-E, RKD-W5BRL-XX-E, RKD-W5BIR-XX-E, RKD-W6B-XX-E, RKD-W6BRL-XX-E, RKD-W7B-XX-E, RKD-W1RLD-XX-E, RKD-W2RLD-XX-E, RKD-W3BD-XX-E
Power	24–36V⎓ 30 mA SELV/PELV/NEC® Class 2
Typical Power Consumption	0.6 W; 1 Power Draw Unit (PDU) Test conditions: all backlights on medium intensity, two LEDs on (two presets active), keypad powered at 24 V⎓
Regulatory Approvals	UL®, cUL® , NOM, FCC, IC, CE, UKCA
Environment	Ambient operating temperature: 32 °F to 104 °F (0 °C to 40 °C), 0% to 90% humidity, non-condensing. Indoor use only.
Communications	Connects to QS wired device link on HomeWorks processor.
ESD Protection	Tested to withstand electrostatic discharge without damage or memory loss, in accordance with IEC 61000-4-2.
Surge Protection	Tested to withstand surge voltages without damage or loss of operation, in accordance with IEEE C62.41-1991 Recommended Practice on Surge Voltages in Low-Voltage AC Power Circuits.
Power Failure	Power failure memory: should power be interrupted, the keypad will return to its previous state when power is restored.
Mounting	U.S. wallbox 3½ in (89 mm) deep, 2¼ in (57 mm) deep minimum, or low-voltage mounting bracket
Wiring	Control wire must be 1 pair 18 AWG (1.0 mm^2) SELV/PELV/NEC® Class 2 for power and 1 pair 22 AWG to 18 AWG (0.5 mm^2 to 1.0 mm^2) SELV/PELV/NEC® Class 2 twisted/shielded for data (see **Wiring**).
Warranty	www.lutron.com/TechnicalDocumentLibrary/Warranty.pdf

Design Features

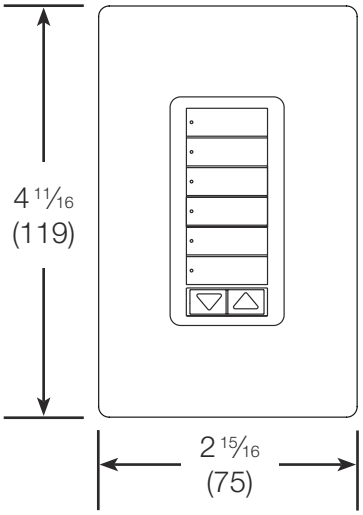
- Green status LEDs.
- Backlit button/engraving.
- Field-changeable Replacement Kits make for easy customization.
- All terminal block inputs are over-voltage and miswire-protected against wire reversals and shorts.
- Use Lutron Designer (Claro or Satin Colors) wallplates. Wallplates are sold separately.
- Lutron Claro and Satin Colors wallplates snap on with no visible means of attachment.
- Use Replacement Kits to change color, button configuration, or engraving.

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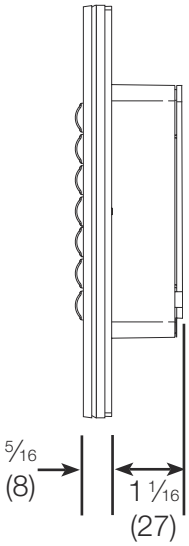
Dimensions

All dimensions are shown as in (mm)

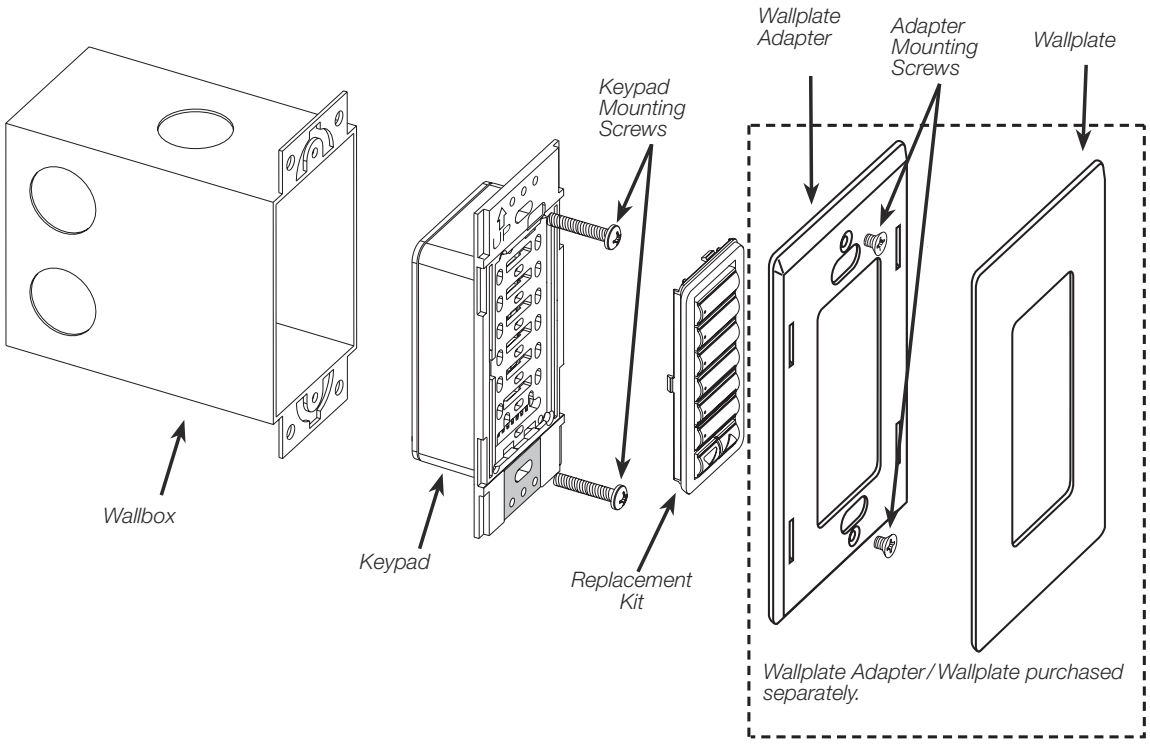
Front View



Side View

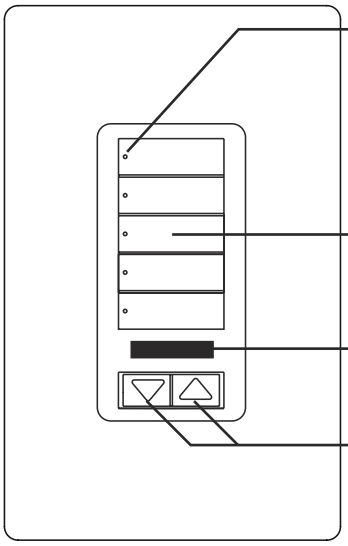


Mounting and Parts Identification



HomeWorks Wired seeTouch Designer Keypads

Operation



Status LEDs
Show which keypad button has been activated.

Keypad Buttons
Press to activate desired levels or positions.

IR Receiver
Use a compatible IR remote to activate button functions.

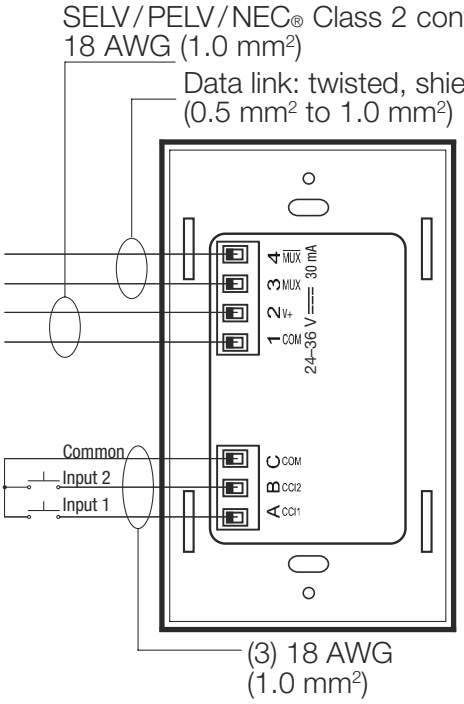
Raise/Lower Buttons
Lights increase or decrease in intensity and shades/draperies move towards the open or close limit.

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Wiring

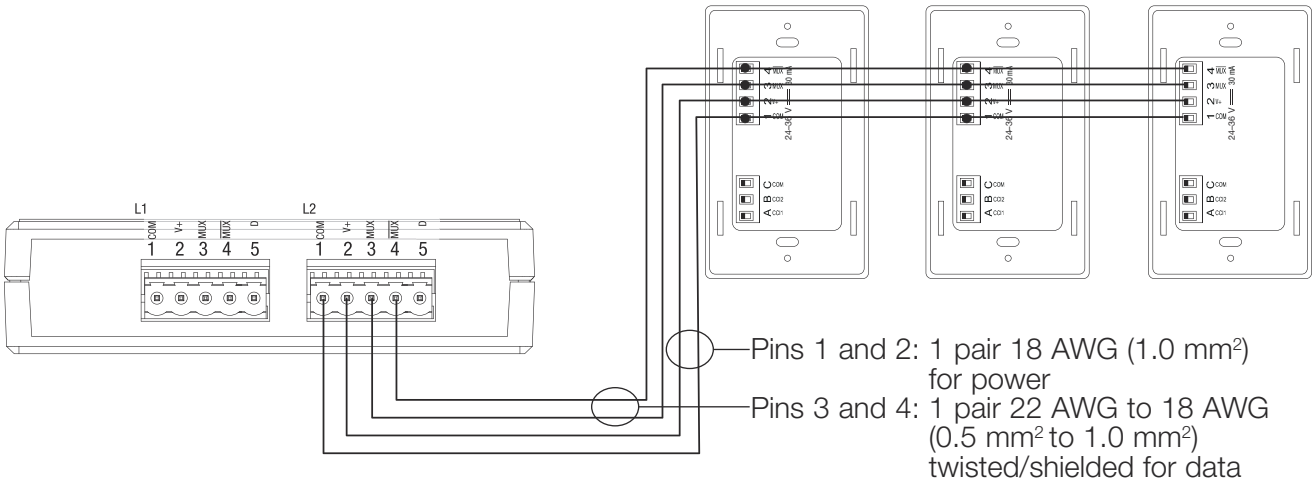
Wiring Notes

- Keypad wiring may be in a daisy-chain, star or T-tap configuration.
- The total length of wire on a QS wired link is not to exceed 2000 ft (610 m).
- Up to 100 devices can be connected to the QS wired link. This can include seeTouch keypads along with other devices as defined in the Lutron Designer software.
- An external power supply may be required depending on the total current draw of all wired devices on the processor link.



Contact Closure Input

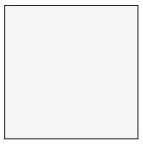
- Inputs must be dry contact closure, solid-state, open collector, or active-low (NPN) / active-high (PNP) output.
  - Open collector NPN or active-low on-state voltage must be less than 2 V⎓ and sink 3.0 mA
  - Open collector PNP or active-high on-state voltage must be greater than 12 V⎓ and source 3.0 mA
- Keypad is miswire protected up to 36 V⎓.
- Outputs must stay in the closed or open states for at least 40 msec in order to be recognized by the keypad.

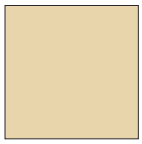


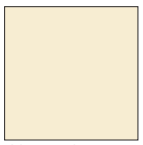
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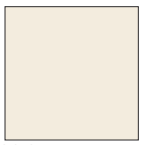
Colors and Finishes

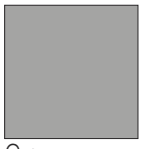
Gloss Finishes

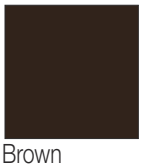

White
WH


Ivory
IV


Almond
AL

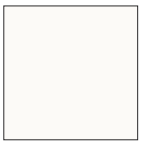

Light
Almond
LA


Gray
GR

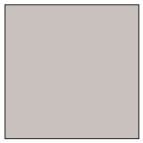

Brown
BR

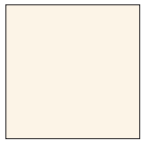

Black
BL

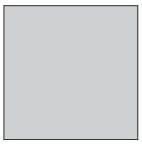
Satin Finishes


Snow
SW


Midnight
MN


Taupe
TP


Biscuit
BI


Palladium
PD


Hot
HT

For the latest color offerings see our website:
http://www.lutron.com/satincolors

- Due to printing limitations, colors and finishes shown cannot be guaranteed to perfectly match actual product colors.
- Color chip keychains are available for more precise color matching:
  Gloss Finishes: DG-CK-1;
  Satin Finishes: SC-CK-1

Metal Finish (wallplate only)


Stainless Steel
SS

When using Stainless Steel wallplates, it is recommended to order the keypad in Midnight (MN).

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UL is a trademark of UL LLC.