HomeWorks® QS Wired seeTouch® Architectural Keypads

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

HomeWorks® QS 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.

All HomeWorks® QS 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® Nova T☆ ® wallplates. Wallplates are included with the keypad. Lutron® Nova T☆ ® wallplates snap on with no visible means of attachment.

HomeWorks® QS wired seeTouch® architectural keypads are available in many button configurations, shown on the following two pages. They are also available in insert (*above left*) and non-insert (*above right*) styles. The insert style allows decorator-style controls to be easily ganged using Lutron® Nova T☆ ® wallplates.

HomeWorks® QS Wired seeTouch® Architectural Keypads
Non-Insert Style Architectural Keypads

Model Numbers

Model	Description
HQWA-W1BN-XX*	1 Button Keypad
RKA-W1BN-XX*-E	Engraved Replacement Kit
HQWA-W2BSN-XX*	2 Button Keypad
RKA-W2BSN-XX*-E	Engraved Replacement Kit
HQWA-W3BSN-XX*	3 Button Keypad
RKA-W3BSN-XX*-E	Engraved Replacement Kit
HQWA-W3BSRLN-XX*	3 Button with Raise/Lower Keypad
RKA-W3BSRLN-XX*-E	Engraved Replacement Kit
HQWA-W3SN-XX*	3 Scene with Raise/Lower Keypad
RKA-W3SN-XX*-E	Engraved Replacement Kit
HQWA-W4BSN-XX*	4 Button Keypad
RKA-W4BSN-XX*-E	Engraved Replacement Kit
HQWA-W4SN-XX*	4 Scene with Raise/Lower Keypad
RKA-W4SN-XX*-E	Engraved Replacement Kit
HQWA-W5BN-XX*	5 Button Keypad
RKA-W5BN-XX*-E	Engraved Replacement Kit
HQWA-W5BRLN-XX*	5 Button with Raise/Lower Keypad
RKA-W5BRLN-XX*-E	Engraved Replacement Kit
HQWA-W5BIRN-XX*	5 Button with Raise/Lower Keypad and Infrared Receiver
RKA-W5BIRNXX*-E	Engraved Replacement Kit
HQWA-W6BN-XX*	6 Button Keypad
RKA-W6BN-XX*-E	Engraved Replacement Kit
HQWA-W6BRLN-XX*	6 Button with Raise/Lower Keypad
RKA-W6BRLN-XX*-E	Engraved Replacement Kit
HQWA-W7BN-XX*	7 Button Keypad
RKA-W7BN-XX*-E	Engraved Replacement Kit
HQWA-W1RLDN-XX*-E	Engraved Replacement Kit
RKA-W1RLDN-XX*	Dual Group with Raise/Lower Keypad
HQWA-W2RLDN-XX*	Dual Group with Dual Raise/Lower Keypad
RKA-W2RLDN-XX*-E	Engraved Replacement Kit
HQWA-W3BDN-XX*	Dual Group Keypad
RKA-W3BDN-XX*-E	Engraved Replacement Kit

HQWA-W1BN   HQWA-W2BSN   HQWA-W3BSN   HQWA-W3BSRLN

HQWA-W3SN   HQWA-W4BSN   HQWA-W4SN   HQWA-W5BN

HQWA-W5BRLN   HQWA-W5BIRN   HQWA-W6BN   HQWA-W6BRLN

HQWA-W7BN   HQWA-W1RLDN   HQWA-W2RLDN   HQWA-W3BDN

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

HomeWorks® QS Wired seeTouch® Architectural Keypads
Insert Style Architectural Keypads

Model Numbers

HQWA-W1BI-XX*	1 Button Keypad
RKA-W1BI-XX*-E	Engraved Replacement Kit
HQWA-W2BSI-XX*	2 Button Keypad
RKA-W2BSI-XX*-E	Engraved Replacement Kit
HQWA-W3BSI-XX*	3 Button Keypad
RKA-W3BSI-XX*-E	Engraved Replacement Kit
HQWA-W3BSRLI-XX*	3 Button with Raise/Lower Keypad
RKA-W3BSRLI-XX*-E	Engraved Replacement Kit
HQWA-W3SI-XX*	3 Scene with Raise/Lower Keypad
RKA-W3SI-XX*-E	Engraved Replacement Kit
HQWA-W4BSI-XX*	4 Button Keypad
RKA-W4BSI-XX*-E	Engraved Replacement Kit
HQWA-W4SI-XX*	4 Scene with Raise/Lower Keypad
RKA-W4SI-XX*-E	Engraved Replacement Kit
HQWA-W5BI-XX*	5 Button Keypad
RKA-W5BI-XX*-E	Engraved Replacement Kit
HQWA-W5BRLI-XX*	5 Button with Raise/Lower Keypad
RKA-W5BRLI-XX*-E	Engraved Replacement Kit
HQWA-W5BIRI-XX*	5 Button with Raise/Lower Keypad and Infrared Receiver
RKA-W5BIRIXX*-E	Engraved Replacement Kit
HQWA-W6BI-XX*	6 Button Keypad
RKA-W6BI-XX*-E	Engraved Replacement Kit
HQWA-W6BRLI-XX*	6 Button with Raise/Lower Keypad
RKA-W6BRLI-XX*-E	Engraved Replacement Kit
HQWA-W7BI-XX*	7 Button Keypad
RKA-W7BI-XX*-E	Engraved Replacement Kit
HQWA-W1RLDI-XX*-E	Engraved Replacement Kit
RKA-W1RLDI-XX*	Dual Group with Raise/Lower Keypad
HQWA-W2RLDI-XX*	Dual Group with Dual Raise/Lower Keypad
RKA-W2RLDI-XX*-E	Engraved Replacement Kit
HQWA-W3BDI-XX*	Dual Group Keypad
RKA-W3BDI-XX*-E	Engraved Replacement Kit

HQWA-W1BI   HQWA-W2BSI   HQWA-W3BSI   HQWA-W3BSRLI

HQWA-W3SI   HQWA-W4BSI   HQWA-W4SI   HQWA-W5BI

HQWA-W5BRLI   HQWA-W5BIRI   HQWA-W6BI   HQWA-W6BRLI

HQWA-W7BI   HQWA-W1RLDI   HQWA-W2RLDI   HQWA-W3BDI

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

HomeWorks® QS Wired seeTouch® Architectural Keypads

Specifications

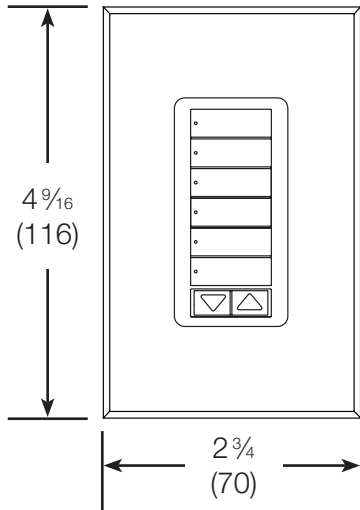|	
Model Numbers	See pages 2 and 3 for complete lists of model numbers.
Power	24–36 V⎓ 30 mA SELV / PELV / NEC® Class 2
Typical Power Consumption	0.6 W; 1 Power Draw Unit (PDU) Test conditions: all backlights on medium intensity, two LEDs on (two presets active), keypad powered at 24 V⎓
Regulatory Approvals	UL, cUL, NOM
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® QS 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 mm²) SELV / PELV / NEC® Class 2 for power and 1 pair 22 to 18 AWG (0.5 to 1.0 mm²) 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® Nova T✩® wallplates. Wallplates are included with the keypad.

- Lutron® Nova T✩® wallplates snap on with no visible means of attachment.

- Use Replacement Kits to change color, button configuration, or engraving.
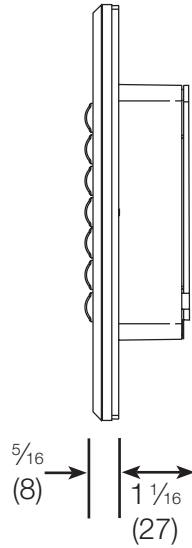
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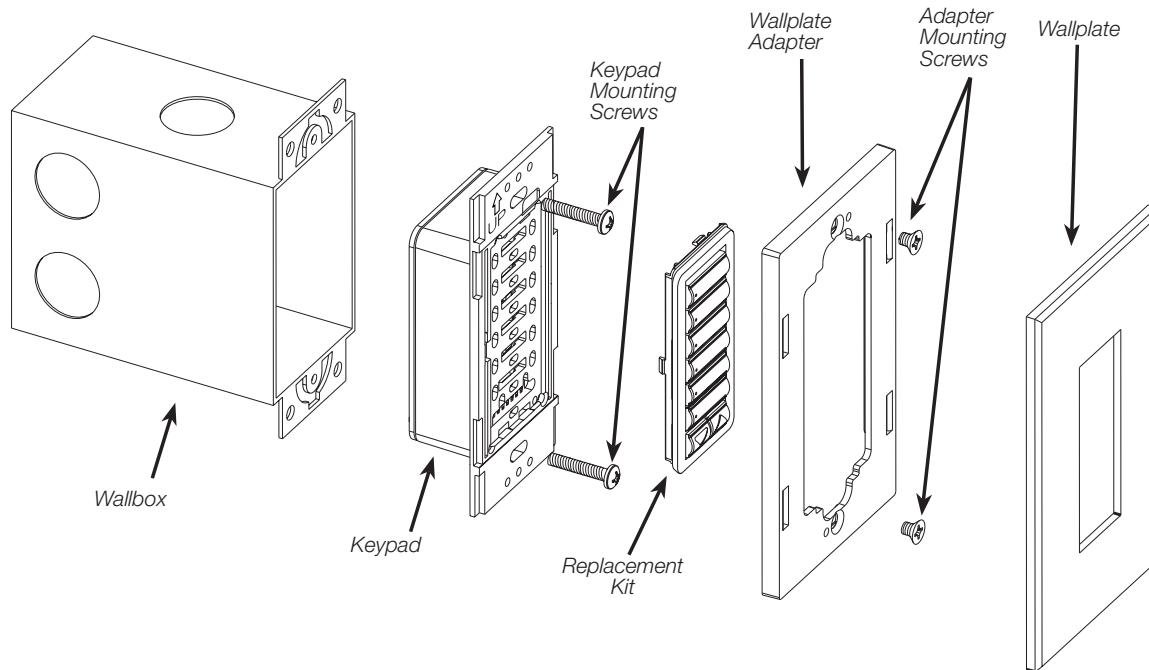
Dimensions
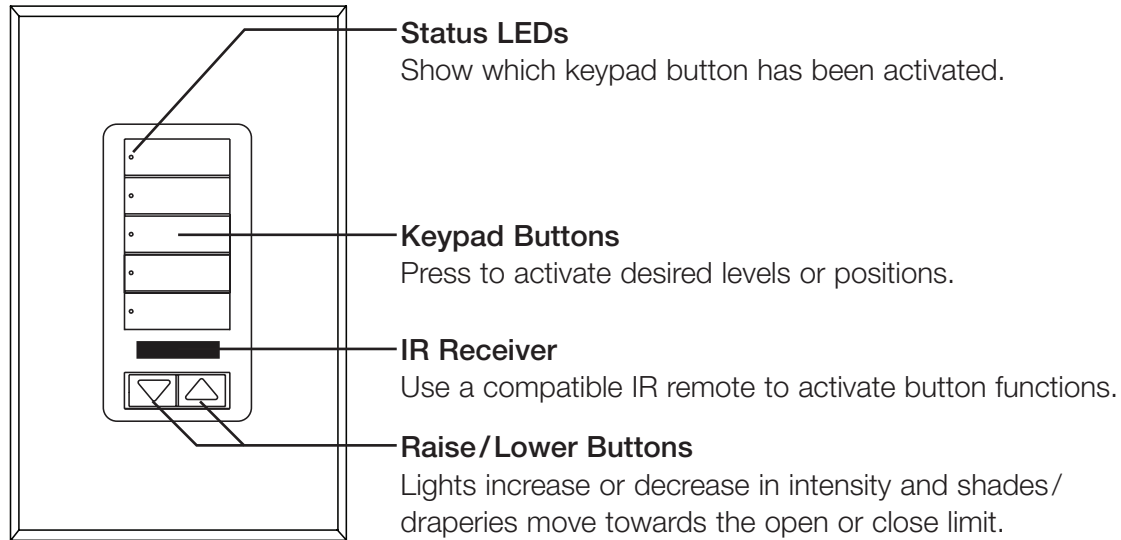
All dimensions are shown as in (mm)

Front View

4 9/16
(116)

2 3/4
(70)

Side View

5/16
(8)

1 1/16
(27)

Mounting and Parts Identification

Wallbox

Keypad

Keypad Mounting Screws

Replacement Kit

Wallplate Adapter

Adapter Mounting Screws

Wallplate

HomeWorks® QS Wired seeTouch® Architectural 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.

HomeWorks® QS Wired seeTouch® Architectural Keypads

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 HomeWorks® QS software.

- An external power supply may be required depending on the total current draw of all wired devices on the processor link.

SELV/PELV/NEC® Class 2 control wiring: 18 AWG (1.0 mm²)

Data link: twisted, shielded pair 22 to 18 AWG (0.5 to 1.0 mm²)

Common
Input 2
Input 1

(3) 18 AWG (1.0 mm²)
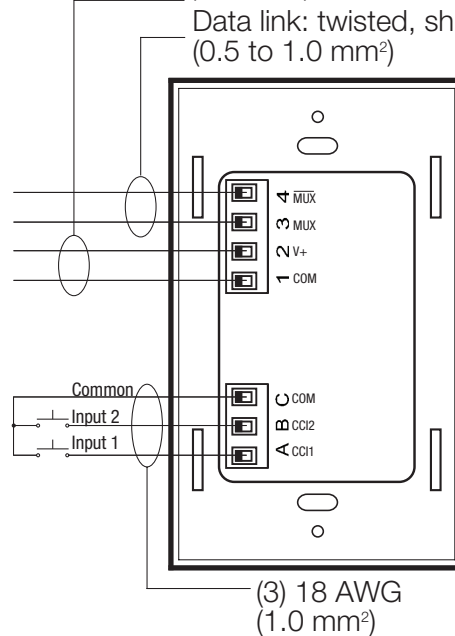
Contact Closure Input

- 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.

Pins 1 and 2: 1 pair 18 AWG (1.0 mm²) for power
Pins 3 and 4: 1 pair 22 to 18 AWG (0.5 to 1.0 mm²) twisted/shielded for data
(Can use Lutron® cable GRX-CBL-346S-500)
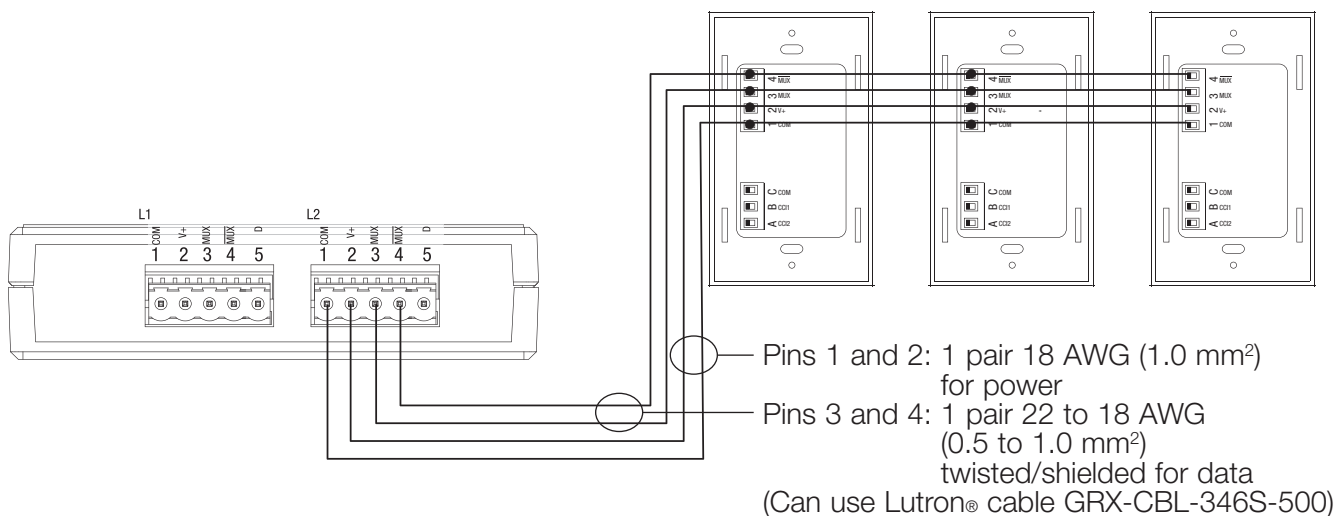
HomeWorks® QS Wired seeTouch® Architectural Keypads
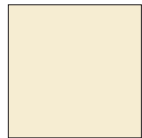
Colors and Finishes

Architectural Matte Finishes

White
WH

Ivory
IV

Almond
AL

Light
Almond
LA

Gray
GR

Brown
BR

Black
BL

Taupe
TP

Sienna
SI

Beige
BE

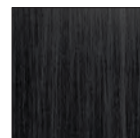**Architectural Metal Finishes (wallplates only)**

Satin Brass
SB

Bright Brass
BB

Bright Chrome
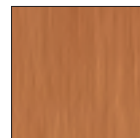BC

Clear Anodized
Aluminum
CLA

Black Anodized
Aluminum
BLA
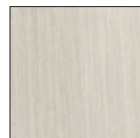
Brass Anodized
Aluminum
BRA

Antique Brass
QB

Antique Bronze
QZ

Satin Chrome
SC

Satin Nickel
SN

Bright Nickel
BN

Gold
AU

When ordering metal wallplates, it is recommended to order the keypad in Black (BL).

- 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:

  Architectural Matte Finishes: AM-CK-1;

  Architectural Metal Finishes: AMTL-CK-1