HOMEWORKS QS

Wired International seeTouch® Keypads

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

All HomeWorks® QS wired international seeTouch® keypads have two contact closure inputs on the back of the unit which provide independent functions from the front buttons. Some models are available with an infrared (IR) receiver.

HomeWorks® QS international 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.

Lutron® wallplates snap on with no visible means of attachment. Multi-gang wallplates sold separately.

HomeWorks® QS wired international seeTouch® 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 keypad allows for easy ganging. Keypad and Button/Wallplate kits sold separately.

Wired International seeTouch® Keypads
Insert Style

Model Numbers

Base Units

HQWIS-NB-NONE	Keypad without Wallplate /Button Kit
HQWIS-NBIR-NONE	IR Keypad without Wallplate/Button Kit

Button/Wallplate Kits

HWIS-2B-I-XX*	2 button
HWIS-3B-I-XX*	3 button
HWIS-4B-I-XX*	4 button
HWIS-5BRL-I-XX*	5 button with Raise/Lower
HWIS-5BIR-I-XX*	5 button with Raise/Lower and IR
HWIS-6BRL-I-XX*	6 button with Raise/Lower
HWIS-7BRL-I-XX*	7 button with Raise/Lower
HWIS-8BRL-I-XX*	8 button with Raise/Lower
HWIS-8BIR-I-XX*	8 button with Raise/Lower and IR
HWIS-10BRL-I-XX*	10 button with Raise/Lower

Replacement Button Kits

SIB-2B-XX*-E	2 button
SIB-3B-XX*-E	3 button
SIB-4B-XX*-E	4 button
SIB-5BRL-XX*-E	5 button with Raise/Lower
SIB-5BIR-XX*-E	5 button with Raise/Lower and IR
SIB-6BRL-XX*-E	6 button with Raise/Lower
SIB-7BRL-XX*-E	7 button with Raise/Lower
SIB-8BRL-XX*-E	8 button with Raise/Lower
SIB-8BIR-XX*-E	8 button with Raise/Lower and IR
SIB-10BRL-XX*-E	10 button with Raise/Lower

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

HWIS-2B-I-XX   *HWIS-3B-I-XX*   *HWIS-4B-I-XX*

HWIS-5BRL-I-XX   *HWIS-5BIR-I-XX*   *HWIS-6BRL-I-XX*

HWIS-7BRL-I-XX   *HWIS-8BRL-I-XX*   *HWIS-8BIR-I-XX*

HWIS-10BRL-I-XX

Ordering Example:

HQWIS-NB-NONE (Base Unit) and
HWIS-2B-I-AW (Wallplate/Button Kit)

Wired International seeTouch® Keypads Non-Insert Style

Model Numbers

Base Units

HQWIS-NB-NONE	International seeTouch® without Wallplate or Button Kit
HQWIS-NBIR-NONE	International seeTouch® with IR without Wallplate or Button Kit

Button/Faceplate Kits

HWIS-2B-F-XX*	2 button non-insert
HWIS-3B-F-XX*	3 button non-insert
HWIS-4B-F-XX*	4 button non-insert
HWIS-5BRL-F-XX*	5 button non-insert with raise/lower
HWIS-5BIR-F-XX*	5 button non-insert with raise/lower and IR
HWIS-6BRL-F-XX*	6 button non-insert with raise/lower
HWIS-7BRL-F-XX*	7 button non-insert with raise/lower
HWIS-8BRL-F-XX*	8 button non-insert with raise/lower
HWIS-8BIR-F-XX*	8 button non-insert with raise/lower and IR
HWIS-10BRL-F-XX*	10 button non-insert with raise/lower

Replacement Button Kits

SIB-2B-XX*-E	2 button replacement kit
SIB-3B-XX*-E	3 button replacement kit
SIB-4B-XX*-E	4 button replacement kit
SIB-5BRL-XX*-E	5 button replacement kit with raise/lower
SIB-5BIR-XX*-E	5 button replacement kit with raise/lower and IR
SIB-6BRL-XX*-E	6 button replacement kit with raise/lower
SIB-7BRL-XX*-E	7 button replacement kit with raise/lower
SIB-8BRL-XX*-E	8 button replacement kit with raise/lower
SIB-8BIR-XX*-E	8 button replacement kit with raise/lower and IR
SIB-10BRL-XX*-E	10 button replacement kit with raise/lower

HWIS-2B-F-XX*   HWIS-3B-F-XX*   HWIS-4B-F-XX*

HWIS-5BRL-F-XX*   HWIS-5BIR-F-XX*   HWIS-6BRL-F-XX*

HWIS-7BRL-F-XX*   HWIS-8BRL-F-XX*   HWIS-8BIR-F-XX*

HWIS-10BRL-F-XX*

Ordering Example:

HQWIS-NB-NONE (for base unit) plus
HWIS-2B-F-AW (for button/faceplate kit)

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

Wired International seeTouch® Keypads

Specifications

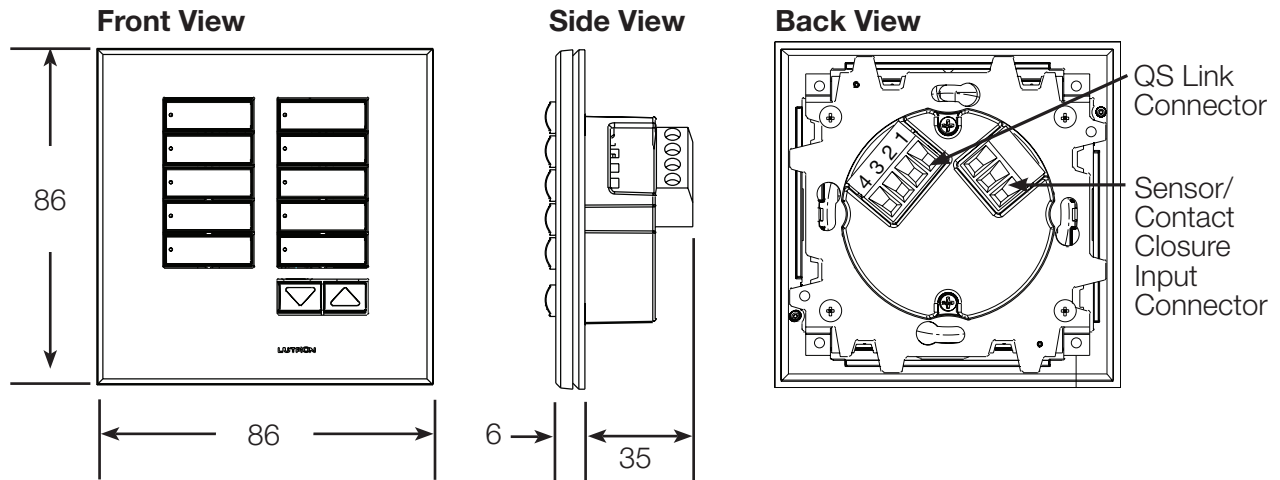|	
Model Numbers	See pages 2 and 3 for complete lists of model numbers.
Power	24–36 V⎓ 30 mA
Typical Power Consumption	0.6 W; 1 Power Draw Unit (PDU) Test conditions: all backlights on medium intensity, two LEDs on (two presets active), keypad powered at 24 V⎓
Regulatory Approvals	CE, ☑ C-tick, UL, cUL
Environment	Ambient operating temperature: 0 °C to 40 °C (32 °F to 104 °F), 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 15 kV electrostatic discharge without damage or memory loss, in accordance with IEC 801-2.
Power Failure	Power failure memory: should power be interrupted, the keypad will return to its previous state when power is restored.
Mounting	EBB-15 RD (Round wallbox) 71 mm diameter x 61 mm deep or EBB-15 SQ (Square wallbox) 71 mm wide x 71 mm high x 47 mm deep.
Wiring	Control wire must be 1 pair 1.0 mm² (18 AWG) SELV / PELV / NEC® Class 2 for power and 1 pair 0.5 mm² to 1.0 mm² (22 AWG to 18 AWG) SELV / PELV / NEC® Class 2 twisted/shielded for data (see **Wiring**).
Warranty	www.lutron.com/TechnicalDocumentLibrary/Intl_Warranty.pdf

Design Features

- Green status LEDs.

- Backlit button/engraving.

- Field-changeable Button/Wallplate Kits allow for easy customization.

- All terminal block inputs are over-voltage and miswire-protected against wire reversals and shorts.

- Available as an insert style control for muti-ganging.

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

- Use Replacement Kits to change color, button configuration, engraving, or to convert between insert and non-insert style configurations.
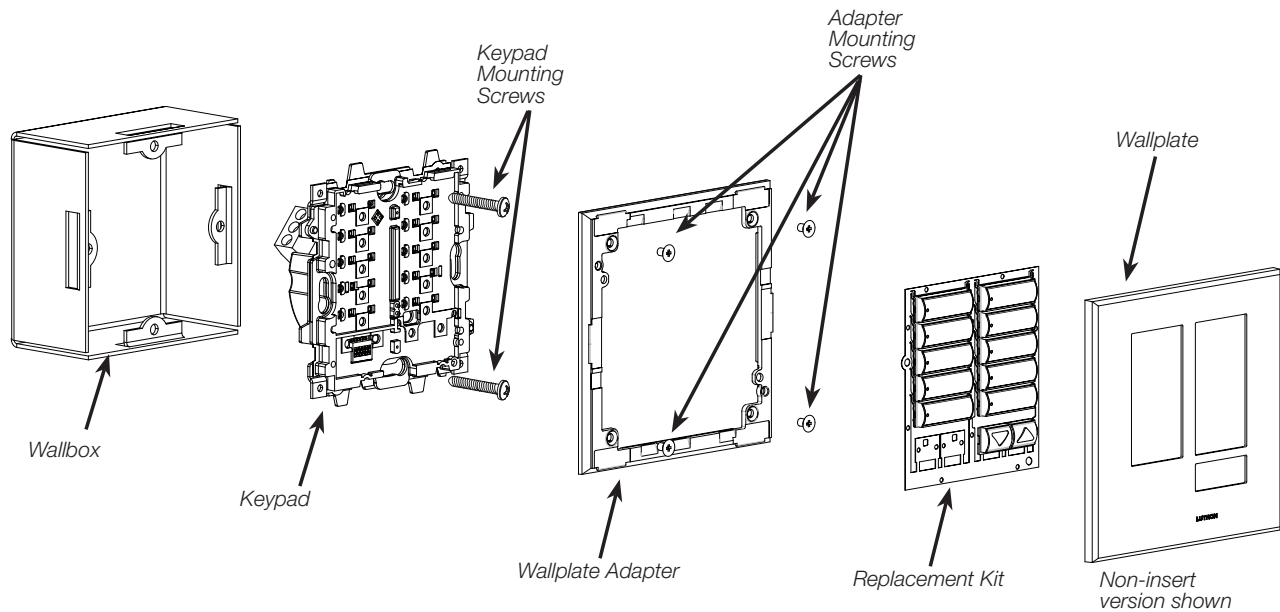
Wired International seeTouch® Keypads

Dimensions

All dimensions are shown as mm

Front View

86

86

Side View

6

35

Back View

QS Link Connector

Sensor/ Contact Closure Input Connector

Mounting and Parts Identification

Keypad Mounting Screws

Adapter Mounting Screws

Wallplate

Wallbox

Keypad

Wallplate Adapter

Replacement Kit

Non-insert version shown

Wired International seeTouch® 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.
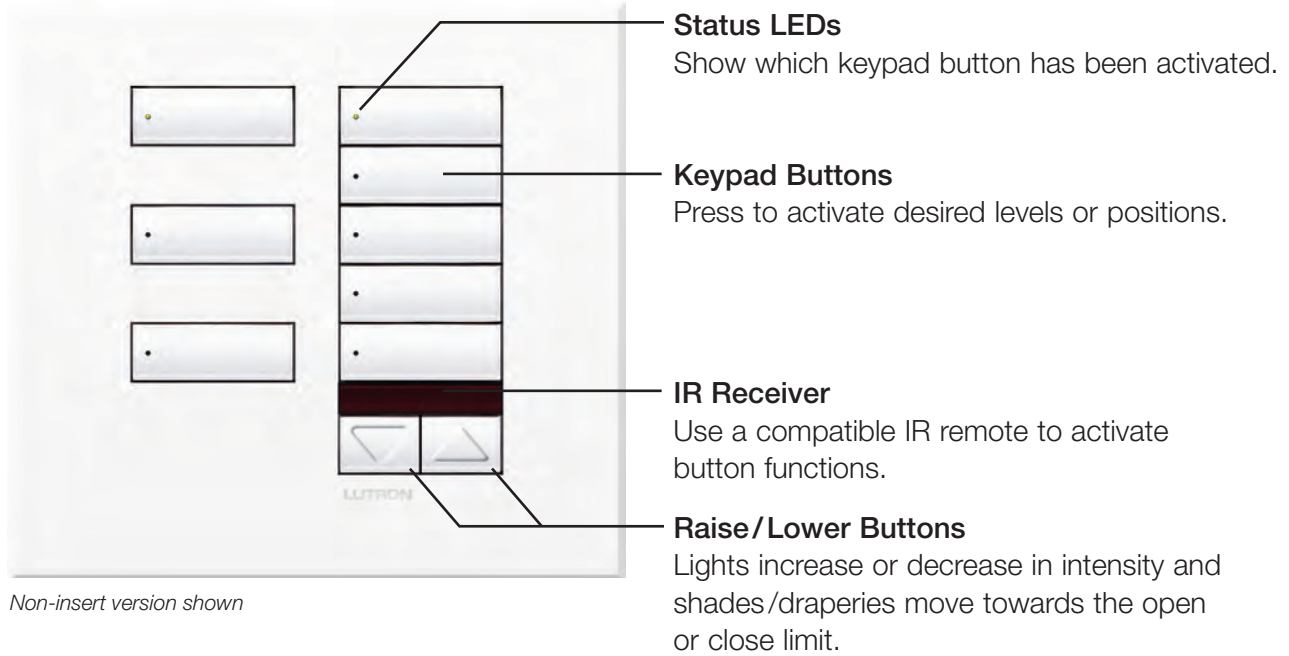
Non-insert version shown
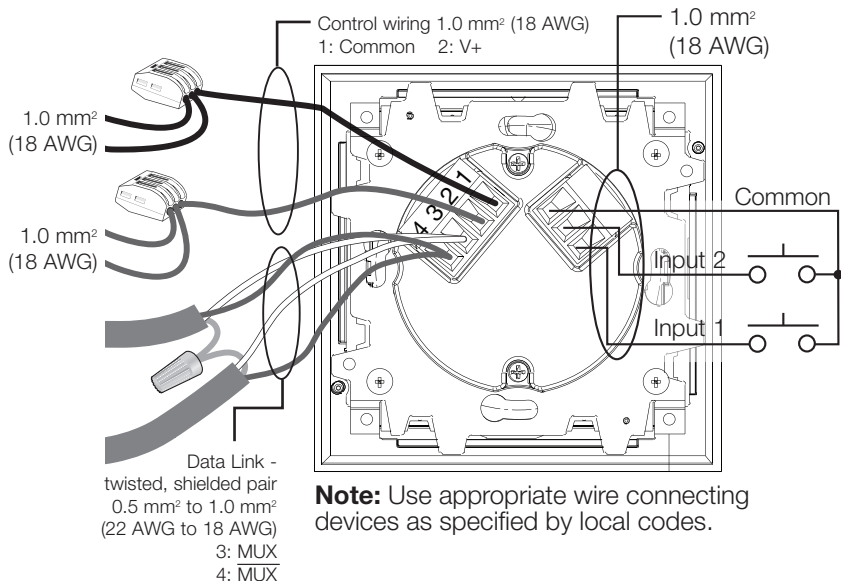
Wired International seeTouch® Keypads

Wiring

Control Link

- 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 610 m.

- Up to 100 devices can be connected to the QS wired link. This can include wired international 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.

- Make connections inside the wallbox or in a switch/junction box with a maximum wire length of 2.5 m from the link to the Keypad.

- Two 1.0 mm² (18 AWG) conductors for common (terminal 1) and V+ (terminal 2). These will not fit in terminals. Connect as shown.

- One shielded, twisted pair 0.5 mm² to 1.0 mm² (22 AWG to 18 AWG) for data link (terminals 3 and 4).

- Connect Drain/Shield as shown. Do not connect to Ground (Earth) or Wallstation. Connect the bare drain wires and cut off the outside shield.

Wiring to Control Link

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

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

Control wiring 1.0 mm² (18 AWG)
1: Common   2: V+

1.0 mm² (18 AWG)

1.0 mm² (18 AWG)

1.0 mm² (18 AWG)

Common

Input 2

Input 1

Data Link - twisted, shielded pair 0.5 mm² to 1.0 mm² (22 AWG to 18 AWG)
3: MUX
4: $\overline{\text{MUX}}$

Note: Use appropriate wire connecting devices as specified by local codes.

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⎓.

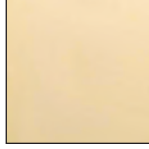- Outputs must stay in the closed or open states for at least 40 msec in order to be recognized by the Keypad.

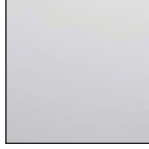## Wired International seeTouch® Keypads

Colors and Finishes

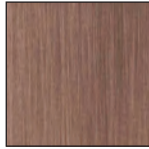**Architectural Metal Finishes (wallplates only)**

Satin Brass
SB

Bright Brass
BB

Bright Chrome
BC

Antique Brass
QB

Antique Bronze
QZ

Satin Chrome
SC

Satin Nickel
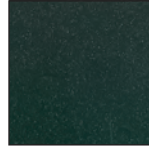SN

Bright Nickel
BN

Gold
AU

Architectural Matte Finishes

Arctic White
AW

Argentum
AR

Mica
MC

- Due to printing limitations, colors and finishes shown cannot be guaranteed to perfectly match actual product colors.

- Color chip portfolios and keychains are available for more precise color matching.

  Architectural Metal portfolio   AMTL-CK-1
  Architectural Matte keychain   AM-CK-1