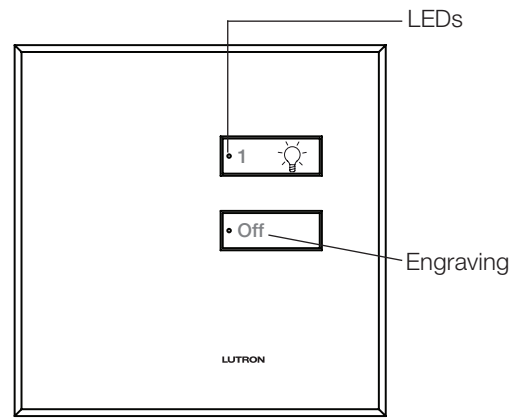


Color and Engraving Codes

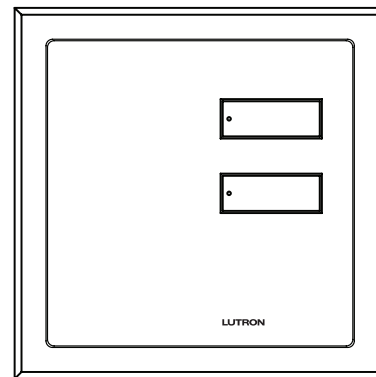
QSWE-2BN-____-____
QSWE-2BI-____-____
2-Button Wallstation

Description

- Often used in entryways to select Scene 1 and Off.
- Large, rounded buttons are easy to use.
- Backlit buttons with optional engraving make it easy to find and operate the Wallstation in low light conditions.
- Optional button engraving is angled up to the eye for easy reading.
- The LEDs next to each button are used during programming and provide feedback when the buttons are pressed.
- Receives up to two contact closure inputs via a connector on the back of the Wallstation.



QSWE-2BN-AW-EGN
 (Non-insert version)



QSWE-2BI-AW
 (Insert version)

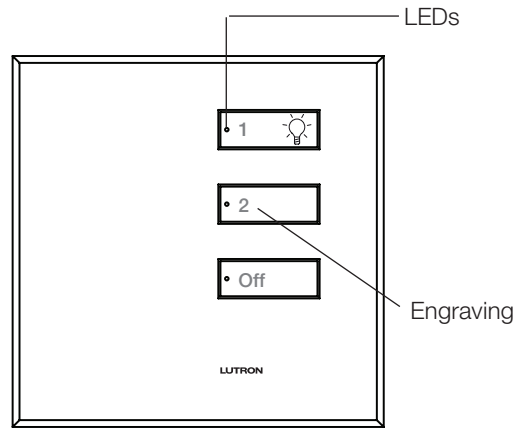
Job Name:	Model Numbers:
Job Number:	

Color and Engraving Codes

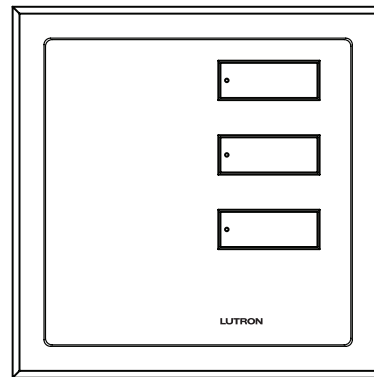
QSWE-3BN-____-____
QSWE-3BI-____-____
3-Button Wallstation

Description

- Often used to select scenes.
- Large, rounded buttons are easy to use.
- Backlit buttons with optional engraving make it easy to find and operate the Wallstation in low light conditions.
- Optional button engraving is angled up to the eye for easy reading.
- The LEDs next to each button are used during programming and provide feedback when the buttons are pressed.
- Receives up to two contact closure inputs via a connector on the back of the Wallstation.



QSWE-3BN-AW-EGN
 (Non-insert version)



QSWE-3BI-AW
 (Insert version)

Job Name:	Model Numbers:
Job Number:	

Color and Engraving Codes

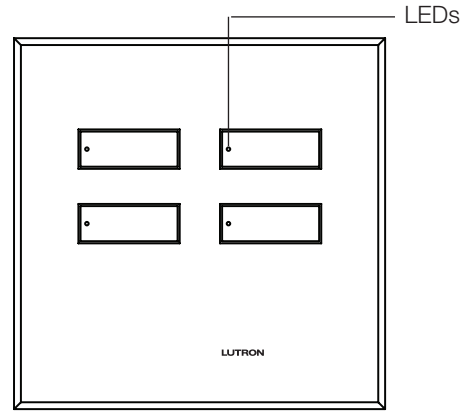
QSWE-4BN-____-____

QSWE-4BI-____-____

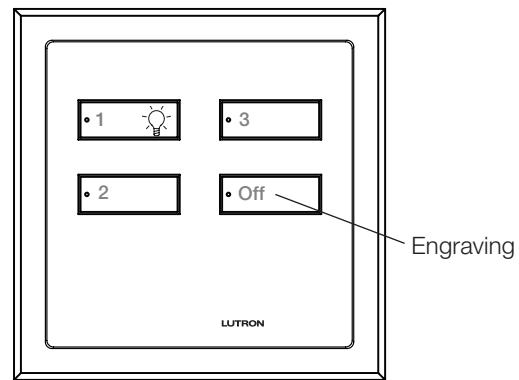
4-Button Wallstation

Description

- Often used to select scenes; often to select between 3 scenes and Off.
- Large, rounded buttons are easy to use.
- Backlit buttons with optional engraving make it easy to find and operate the Wallstation in low light conditions.
- Optional button engraving is angled up to the eye for easy reading.
- The LEDs next to each button are used during programming and provide feedback when the buttons are pressed.
- Receives up to two contact closure inputs via a connector on the back of the Wallstation.



QSWE-4BN-AW
(Non-insert version)



QSWE-4BI-AW-EGN
(Insert version)

<p>Job Name:</p> <p>Job Number:</p>	<p>Model Numbers:</p>
--	-----------------------

Color and Engraving Codes

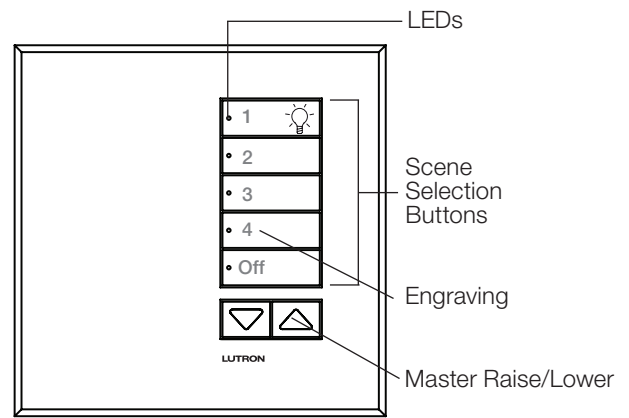
QSWE-5BRLN-____-____

QSWE-5BRLI-____-____

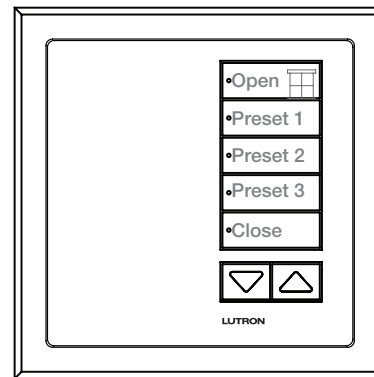
5-Button Wallstation with Raise/Lower

Description

- Often used to select and adjust scenes.
- Large, rounded buttons are easy to use.
- Backlit buttons with optional engraving make it easy to find and operate the Wallstation in low light conditions.
- Optional button engraving is angled up to the eye for easy reading.
- The LEDs next to each button are used during programming and provide feedback when the buttons are pressed.
- Master raise/lower brightens or dims all lighting or raises/lowers all assigned shades in the last selected scene or toggled group.
- Shade control features (E01 engraving):
 - Can control Sivoia® QS Window Treatments.
 - Pressing the Open (or Close) button once will cause the window treatments to move to their fully open (or closed) position. Tap any button (regardless of function) to stop a shade that is in motion.
 - Three (3) programmable preset buttons.
- Receives up to two contact closure inputs via a connector on the back of the Wallstation.



QSWE-5BRLN-AW-EGN
(Non-insert version)



QSWE-5BRLI-AW-E01
(Insert version)

Job Name:	Model Numbers:
Job Number:	

Color and Engraving Codes

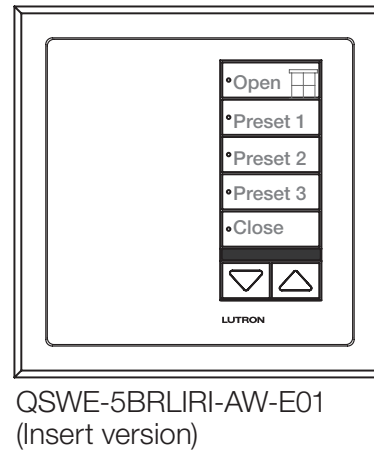
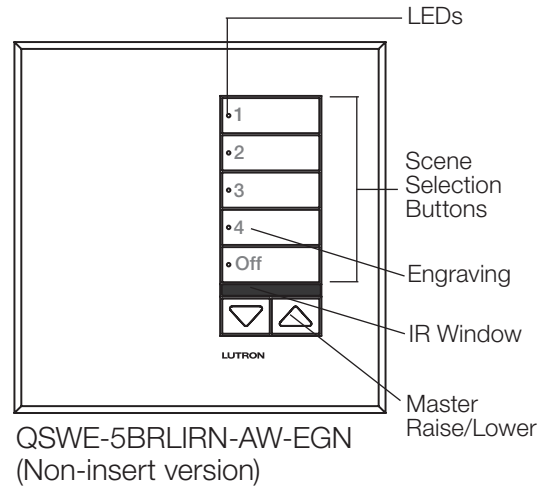
QSWE-5BRLIRN-____-____

QSWE-5BRLIRI-____-____

5-Button Wallstation with Infrared Receiver and Raise/Lower

Description

- Often used to select and adjust scenes.
- Large, rounded buttons are easy to use.
- Backlit buttons with optional engraving make it easy to find and operate the Wallstation in low light conditions.
- Optional button engraving is angled up to the eye for easy reading.
- The LEDs next to each button are used during programming and provide feedback when the buttons are pressed.
- Master raise/lower brightens or dims all lighting or raises/lowers all assigned shades in the last selected scene or toggled group.
- Shade control features (E01 engraving):
 - Can control Sivoia® QS Window Treatments.
 - Also controls shades with wireless IR controllers SVQ-3PIT, SVQ-OCIT, SVQ-4GD-OCIT, and SVQ-4S2G-IT.
 - Pressing the Open (or Close) button once will cause the window treatments to move to their fully open (or closed) position. Tap any button (regardless of function) to stop a shade that is in motion.
 - Three (3) programmable preset buttons.
- Receives up to two contact closure inputs via a connector on the back of the Wallstation.



Job Name:	Model Numbers:
Job Number:	

Color and Engraving Codes

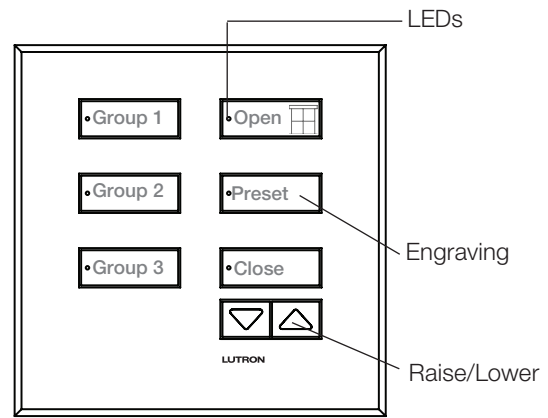
QSWE-6BRLN-____-____

QSWE-6BRLI-____-____

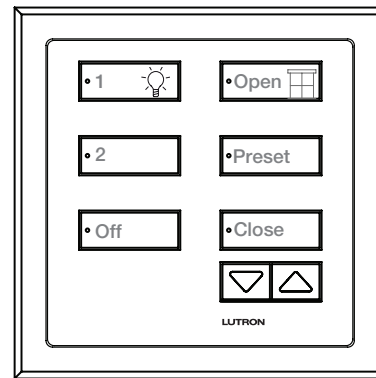
Dual Wallstation with 3-Button and 3-Button with Raise/Lower

Description

- Often used to control one or more lighting or window treatment zones simultaneously.
- Large, rounded buttons are easy to use.
- Backlit buttons with on-button engraving make it easy to find and operate the Wallstation in low light conditions.
- Optional button engraving is angled up to the eye for easy reading.
- The LEDs next to each button are used during programming and provide feedback when the buttons are pressed.
- Shade control features (E01 engraving):
 - Often used to select three different groups of shades using Open, Close, and Raise/Lower.
 - Used to control multiple groups of shades independently from a single-gang keypad (e.g., a window with a sheer shade and a blackout shade).
 - Can control Sivoia® QS Window Treatments.
 - Pressing the Open (or Close) button once will cause the window treatments to move to their fully open (or closed) position. Tap any button (regardless of function) to stop a shade that is in motion.
 - One (1) programmable preset button.
- Receives up to two contact closure inputs via a connector on the back of the Wallstation.



QSWE-6BRLN-AW-E01
(Non-insert version)



QSWE-6BRLI-AW-EGN
(Insert version)

Job Name:	Model Numbers:
Job Number:	

Color and Engraving Codes

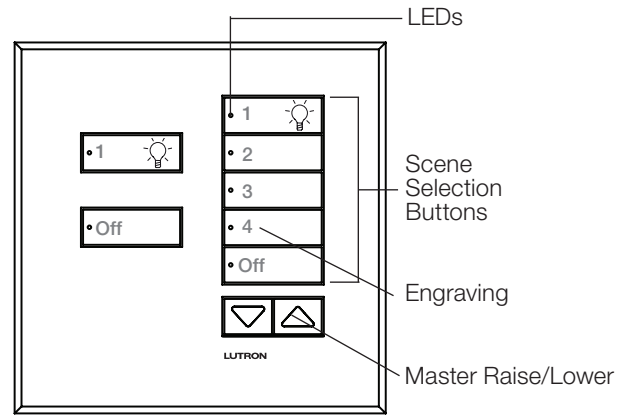
QSWE-7BRLN-____-____

QSWE-7BRLI-____-____

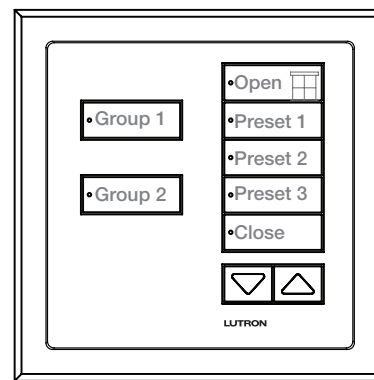
7-Button Wallstation with Raise/Lower

Description

- Often used to select and adjust scenes.
- Large, rounded buttons are easy to use.
- Backlit buttons with optional engraving make it easy to find and operate the Wallstation in low light conditions.
- Optional button engraving is angled up to the eye for easy reading.
- The LEDs next to each button are used during programming and provide feedback when the buttons are pressed.
- Master raise/low brightens or dims all lighting or raises/lowers all assigned shades in the last selected scene or toggled group.
- Functions as two independently programmable controllers. Left column mimics a 2-button column and right column mimics a 5-button column. Wallstation can control two lighting zones, two shade groups, or one of each. Or can function as one shade group control where the right keypad controls the group of shades indicated by the left keypad.
- Shade control features (E01 engraving):
 - Used to control multiple groups of shades independently from a single-gang keypad (e.g., a window with a sheer shade and a blackout shade).
 - Can control Sivoia® QS Window Treatments.
 - Pressing the Open (or Close) button once will cause the window treatments to move to their fully open (or closed) position. Tap any button (regardless of function) to stop a shade that is in motion.
 - Three (3) programmable preset buttons.
- Receives up to two contact closure inputs via a connector on the back of the Wallstation.



QSWE-7BRLN-AW-EGN
(Non-insert version)



QSWE-7BRLI-AW-E01
(Insert version)

Job Name:	Model Numbers:
Job Number:	

Color and Engraving Codes

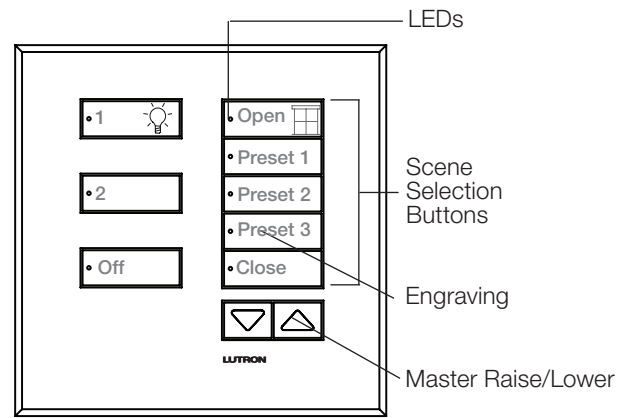
QSWE-8BRLN-____-____

QSWE-8BRLI-____-____

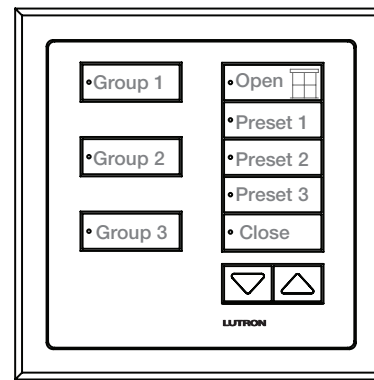
8-Button Wallstation with Raise/Lower

Description

- Often used to select and adjust scenes.
- Large, rounded buttons are easy to use.
- Backlit buttons with optional engraving make it easy to find and operate the Wallstation in low light conditions.
- Optional button engraving is angled up to the eye for easy reading.
- The LEDs next to each button are used during programming and provide feedback when the buttons are pressed.
- Master raise/low brightens or dims all lighting or raises/lowers all assigned shades in the last selected scene or toggled group.
- Functions as two independently programmable controllers. Left column mimics a 3-button column and right column mimics a 5-button column. Wallstation can control two lighting zones, two shade zones, or one of each. Or can function as one shade group control where the right keypad controls the group of shades indicated by the left keypad.
- Shade control features (E01 engraving):
 - Used to control multiple groups of shades independently from a single-gang keypad (e.g., a window with a sheer shade and a blackout shade).
 - Can control Sivoia® QS Window Treatments.
 - Pressing the Open (or Close) button once will cause the window treatments to move to their fully open (or closed) position. Tap any button (regardless of function) to stop a shade that is in motion.
 - Three (3) programmable preset buttons.
- Receives up to two contact closure inputs via a connector on the back of the Wallstation.



QSWE-8BRLN-AW-EGN
(Non-insert version)



QSWE-8BRLI-AW-E01
(Insert version)

Job Name:	Model Numbers:
Job Number:	

Color and Engraving Codes

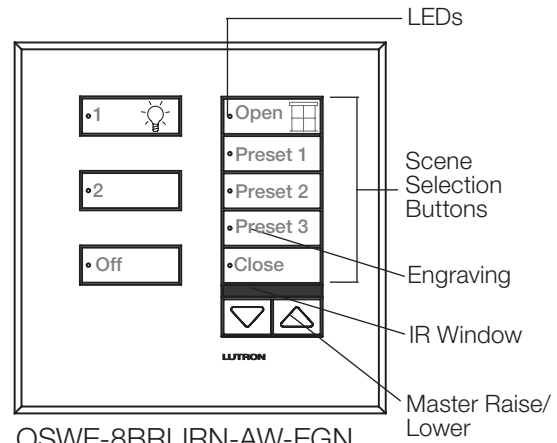
QSWE-8BRLIRN-____-____

QSWE-8BRLIRI-____-____

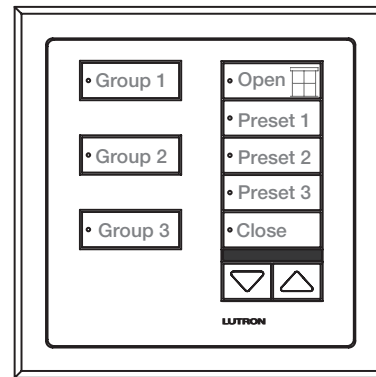
8-Button Wallstation with Infrared Receiver and Raise/Lower

Description

- Often used to select and adjust scenes.
- Large, rounded buttons are easy to use.
- Backlit buttons with optional engraving make it easy to find and operate the Wallstation in low light conditions.
- Optional button engraving is angled up to the eye for easy reading.
- The LEDs next to each button are used during programming and provide feedback when the buttons are pressed.
- Master raise/lower brightens or dims all lighting or raises/lowers all assigned shades in the last selected scene or toggled group.
- Functions as two independently programmable controllers when engraving or no engraving is ordered. Left column mimics a 3-button column and right column mimics a 5-button column. Wallstation can control two lighting zones, two shade zones, or one of each. Or can function as one shade group control where the right keypad controls the group of shades indicated by the left keypad.
- Shade control features (E01 engraving):
 - Used to control multiple groups of shades independently from a single-gang keypad (e.g., a window with a sheer shade and a blackout shade).
 - Can control Sivoia® QS Window Treatments.
 - Also controls shades with wireless IR controllers SVQ-3PIT, SVQ-OCIT, SVQ-4GD-OCIT, and SVQ-4S2G-IT.
 - Pressing the Open (or Close) button once will cause the window treatments to move to their fully open (or closed) position. Tap any button (regardless of function) to stop a shade that is in motion.
 - Three (3) programmable preset buttons.
- Receives up to two contact closure inputs via a connector on the back of the Wallstation.



QSWE-8BRLIRN-AW-EGN
(Non-insert version)



QSWE-8BRLIRI-AW-E01
(Insert version)

Job Name:	Model Numbers:
Job Number:	

Color and Engraving Codes

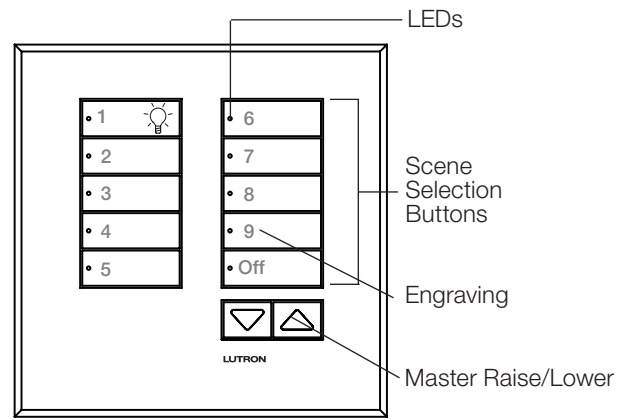
QSWE-10BRLN-____-____

QSWE-10BRLI-____-____

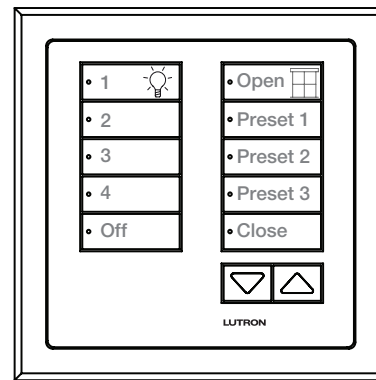
10-Button Wallstation with Raise/Lower

Description

- Often used to select and adjust scenes.
- Large, rounded buttons are easy to use.
- Backlit buttons with optional engraving make it easy to find and operate the Wallstation in low light conditions.
- Optional button engraving is angled up to the eye for easy reading.
- The LEDs next to each button are used during programming and provide feedback when the buttons are pressed.
- Master raise/lower brightens or dims all lighting or raises/lowers all assigned shades in the last selected scene or toggled group.
- Functions as two independently programmable controllers when engraving or no engraving is ordered. Left column mimics a 5-button column and right column mimics a 5-button column. Wallstation can control two lighting zones, two shade zones, or one of each.
- Receives up to two contact closure inputs via a connector on the back of the Wallstation.
- Shade control features (E01 engraving):
 - Can control Sivoia® QS Window Treatments.
 - Pressing the Open (or Close) button once will cause the window treatments to move to their fully open (or closed) position. Tap any button (regardless of function) to stop a shade that is in motion.
 - Three (3) programmable preset buttons.



QSWE-10BRLN-AW-EGN
(Non-insert version)



QSWE-10BRLI-AW-E01
(Insert version)

Job Name:	Model Numbers:
Job Number:	

Specifications

Power Input (Control Link Terminal 2)

SELV/PELV. Operating voltage: 24–36 V_{DC} 30 mA

Key Design Features

- Field-changeable button and faceplate assemblies allow easy customization.
- Meets IEC 801-2. Tested to withstand 15 kV electrostatic discharge without damage or memory loss.
- Faceplate snaps on with no visible means of attachment.
- Available as an “insert” style control for multiganging.
- Use Faceplate Replacement Kits to change color, button configuration, or engraving, or to convert between non-insert and insert configurations.
- Faceplate Replacement Kits may also be used to convert between non-insert and insert configurations.

System Communications and Capacity

- SELV/PELV wiring connects Wallstations to other devices on the QS Link.
- A QS system can have up to 100 devices and 100 zones; seeTouch® QS wallstations each count as 1 device and 0 zones on the QS Link.
- A seeTouch® QS wallstation consumes 1 power draw unit (PDU) on the QS link. For complete information, see “Power Draw Units on the QS Link,” Lutron PN 369405.

Terminals

Accept up to two 1.0 mm² (18 AWG).

Environment

0 to 40 °C (32 to 104 °F). Relative humidity less than 90% non-condensing.

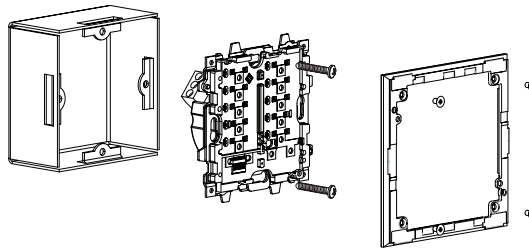
Compatibility

seeTouch® QS keypads are compatible with GRAFIK Eye® QS, Energi Savr Node™, and Quantum®.

Note: Energi Savr Node™ does not support shade type wallstations.

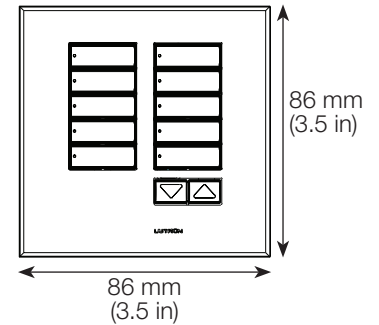
Mounting

Typical backbox dimensions:
75 mm (3 in) wide,
75 mm (3 in) tall,
35 mm (1.4 in) deep.

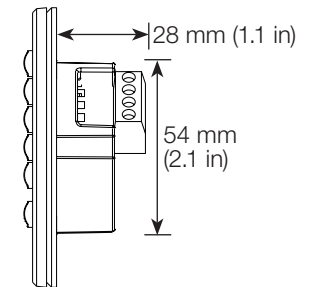


Dimensions

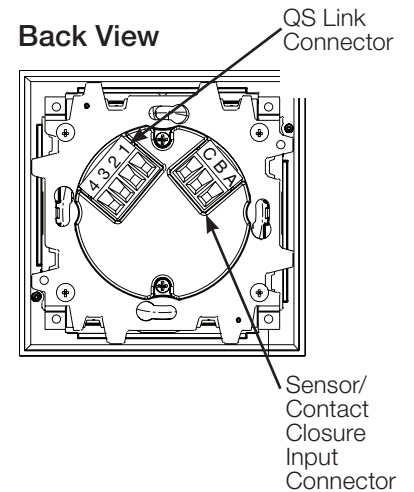
Front View



Side View



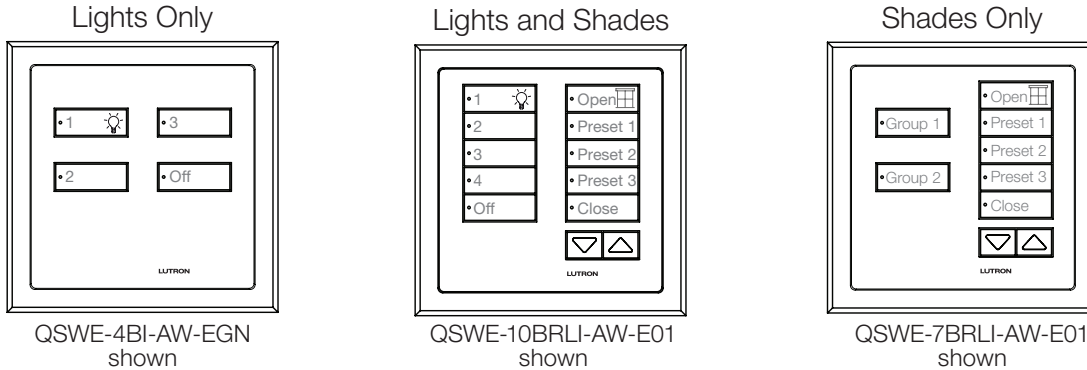
Back View



Job Name:	Model Numbers:
Job Number:	

Available Control Types

International seeTouch® wallstations are available in three types:



Lights Only

- Controls only lights.
- Has a programmable column type (choose from the list on the following pages).
- Engraving options: General (EGN) and Non-Standard (NST).

Lights and Shades

- Left column controls only lights and has a programmable column type (choose from the list on the following pages).
- Right column controls only shades and has a programmable column type (choose from the list on the following pages).
- Models with preset buttons have programmable preset levels.
- Engraving options: General (EGN) and Non-Standard (NST); Standard (E01) available for model QSWE-10BRLI-WH-E01 only.

Shades Only

- Controls only shades.
- Has a programmable column type (choose from the list on the following pages).
- Models with preset buttons have programmable preset levels.
- Engraving options: Standard (E01) and Non-Standard (NST).

<p>Job Name:</p> <p>Job Number:</p>	<p>Model Numbers:</p>
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Available Column Types

Scene (with Off)

- Controls preprogrammed scenes on one or more scene controllers (such as a GRAFIK Eye® QS, or an area on an ESN).
- Buttons within a column control the same scene controller(s) (different buttons within a column cannot control different scene controllers).
- The scene recalled by the first button in a column is programmable, subsequent buttons recall the next numerical scene, and the last button always recalls Scene Off.
- A 1-button scene Wallstation will always toggle between the assigned scene and Scene Off.

Scene (without OFF)

- Identical function to Scene with Off, except the last button in a column recalls the next consecutive scene, not Scene Off.

Zone Toggle

- Buttons toggle a zone or group of zones between programmable preset values and Off (where all zones are Off).
- Each zone can be programmed to a different value.
- Each button can be individually programmed to a different load or group of loads.

Partition

- Allows the user to assign individual buttons of a column to different scene controllers (areas).
- One button press (button LED lights) indicates an open partition within the space so that devices programmed to that button talk to each other in both directions.
- A second button press (button LED goes off) indicates a closed partition within the space so that devices programmed to that button function independently.

2B Partition (2-button Wallstation only)

- Identical function to Partition, except that there are two buttons.
- A top button press indicates an open partition; a bottom button press indicates a closed partition.

2B Fine Tune (2-button Wallstation only)

- Buttons function as raise and lower buttons for assigned zones.
- A button tap will raise/lower the level of assigned zones by 1 percent.
- Press and holding the buttons smoothly raises to high end or smoothly lowers to low end.

2B Sequence (2-button Wallstation only)

- All assigned scene controllers continuously cycle through either Scenes 1–4 or Scenes 5–16 using the programmed fade times for each scene.
- Useful for spaces that desire dynamic lighting, such as decorative lighting or displays in retail stores.

(continued)

Job Name:	Model Numbers:
Job Number:	

Available Column Types (continued)

2B Panic (2-button Wallstation only)

- Button press causes all assigned scene controllers to go to Scene 16.
- Temporarily disables all button presses and ignores scene or zone level changes.

2B Timeclock (2-button Wallstation only)

- Allows the user to enable or disable the timeclock on a GRAFIK Eye® QS.
- A top button press enables the timeclock; a bottom button press disables the timeclock.

Shade

- Wallstation must have more than 1 button.
- Raise/Lower buttons are recommended for programming.
- The top button becomes the Open button; the bottom button becomes the Close button for associated Sivoia® QS shades or third-party AC shades.
- For keypads with more than two buttons, the middle buttons are programmable Preset buttons.

Shade Group

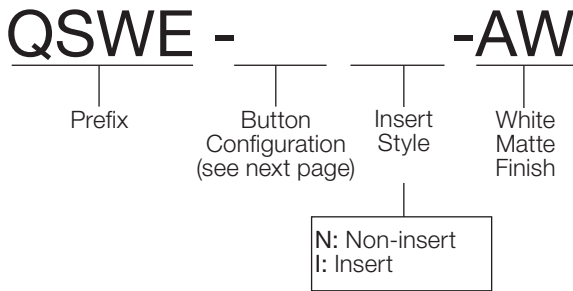
- Available only on a multi-column keypad where another column is a shade column.
- Allows the shade column to operate as multiple independent keypads (one per group).
- The shade group column selects which independent keypad is currently active (indicated by the group button whose LED is lit).

Notes

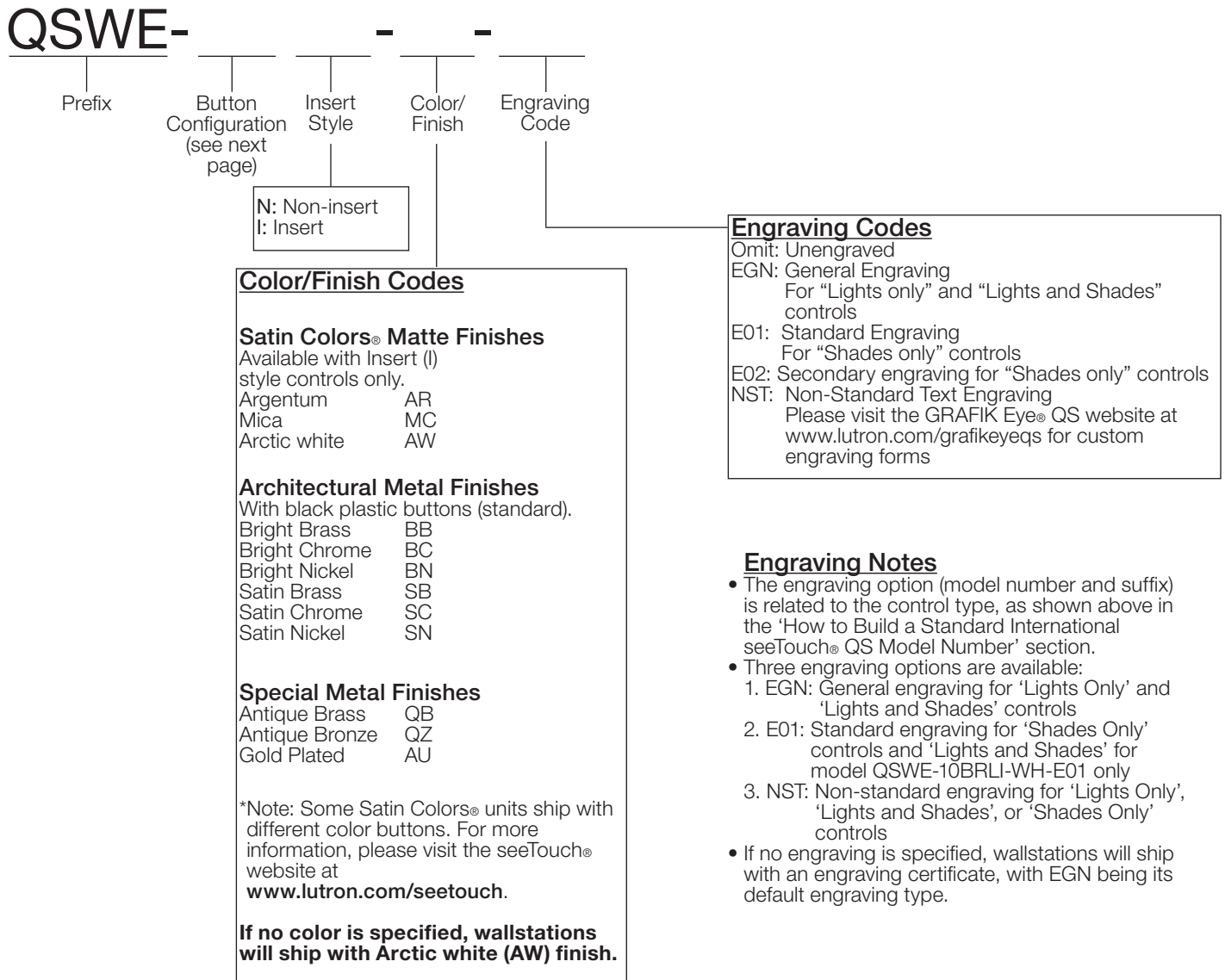
- Except where noted, control types linked to a GRAFIK Eye® QS can be changed using the GRAFIK Eye® programming menu (e.g., control programmed as lights only can be changed to shades only).
- Standard (NST) programming can be acquired through a GRAFIK Eye® QS, Energi Savr Node™, or Quantum® system. Otherwise, please reference Application Note 048428, “Wired seeTouch® QS: Advanced Programming Mode”.

<p>Job Name:</p> <p>Job Number:</p>	<p>Model Numbers:</p>
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How to Build a Standard International seeTouch® QS Model Number



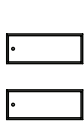
How to Build a Custom International seeTouch® QS Model Number



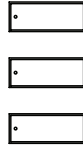
Job Name:	Model Numbers:
Job Number:	

How to Build an International seeTouch® QS Model Number (continued)

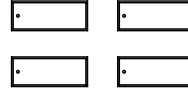
Button Configurations



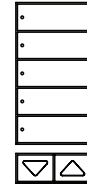
2B
2-button



3B
3-button



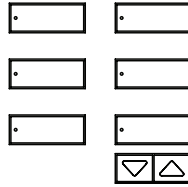
4B
4-button



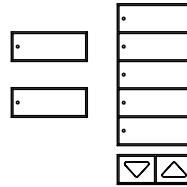
5BRL
5-button with raise/lower



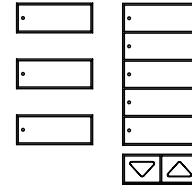
5BRLIR
5-button with IR receiver
and raise/lower



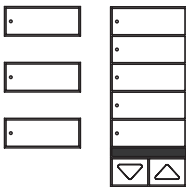
6BRL
6-button with raise/lower



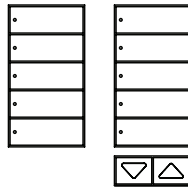
7BRL
7-button with raise/lower



8BRL
8-button with raise/lower



8BRLIR
8-button with IR receiver
and raise/lower



10BRL
10-button with raise/
lower

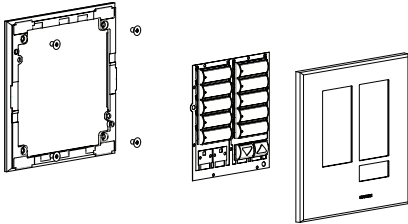
<p>Job Name:</p> <p>Job Number:</p>	<p>Model Numbers:</p>
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Faceplate Information

Faceplate Replacement Kits

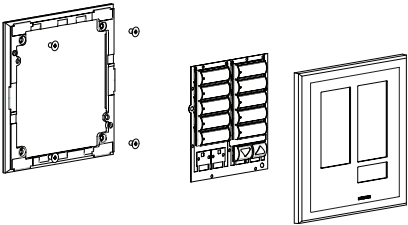
Use Faceplate Replacement Kits to change: colors, button configuration, engraving, between insert and non-insert versions. Each Kit includes an adapter, button assembly, and wallplate.

Non-Insert Kit



Non-insert style controls: Faceplate complements a specified button kit. When the faceplate is removed or replaced, the buttons are removed and replaced along with it.

Insert Kit



Insert style controls: Faceplate is a decorator style with a universal size opening that fits all button kits. This style allows for easy replacements of button kits without changing the faceplate.

Model Numbers for Kits

Non-Insert

- QSWER-2BN
- QSWER-3BN
- QSWER-4BN
- QSWER-5BRLN
- QSWER-5BRLIRN
- QSWER-6BRLN
- QSWER-7BRLN
- QSWER-8BRLN
- QSWER-8BRLIRN
- QSWER-10BRLN

Insert

- QSWER-2BI
- QSWER-3BI
- QSWER-4BI
- QSWER-5BRLI
- QSWER-5BRLIRI
- QSWER-6BRLI
- QSWER-7BRLI
- QSWER-8BRLI
- QSWER-8BRLIRI
- QSWER-10BRLI

<p>Job Name:</p> <p>Job Number:</p>	<p>Model Numbers:</p>
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International seeTouch® QS Wallstation Button Functions Summary

Button Configuration							
2B	3B	4B	5BRL 5BRLIR	6BRL	7BRL	8BRL 8BRLIR	10BRL
EGN (General Engraving) Functionality							
Scene 1, Off 	Scene 1, Off 	Scenes 1-3, Off 	Scenes 1-4, Off 	Left: Scenes 1-2, Off Right: Open, Preset, Close 	Left: Scene 1, Off Right: Scenes 1-4, Off 	Left: Scenes 1-2, Off Right: Open, Presets 1-3, Close 	NA
E01 (Standard Engraving) Functionality							
NA	NA	NA	Open, Presets 1-3, Close 	Left: Groups 1-3 Right: Open, Preset, Close 	Left: Groups 1-2 Right: Open, Presets 1-3, Close 	Left: Groups 1-3 Right: Open, Presets 1-3, Close 	Left: Scenes 1-4, Off Right: Open, Presets 1-3, Close

Legend:

- Light Control
- Shade Control

Job Name:	Model Numbers:
Job Number:	

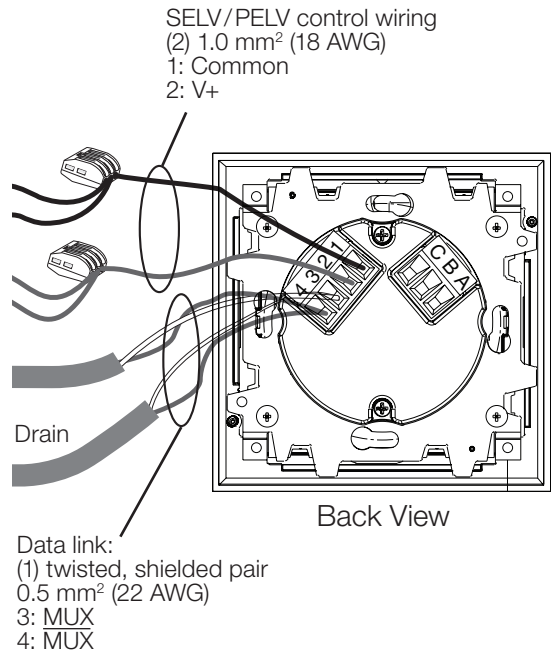
Wallstation Installation

QS Link Wiring

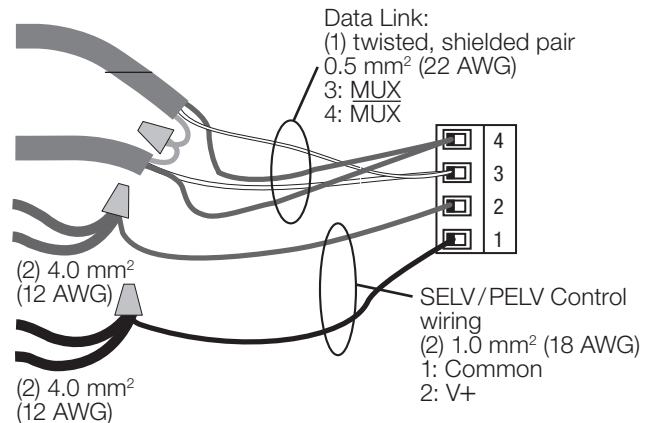
- Use SELV/PELV wiring to connect Wallstations to the QS link.
- Connect two 0.5 mm² (22 AWG) shielded, twisted pair wires to terminals 3 and 4 of the wallstation's control link connector. Shielding (drain) of the twisted pair wires must be connected together as shown, but do not connect the shielding to earth/ground or the wallstation and do not allow it to contact the grounded wallbox.
- Connect the appropriate size wires to terminals 1 and 2 for power, according to your link length (see table below).
- Connect Drain/Shield as shown. Do not connect to Ground (Earth) or Wallstation. Connect the bare drain wires and cut off the outside shield.

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

Link Wiring (<153 m/500 ft)



Link Wiring (153 m/500 ft to 610 m/2 000 ft)



QS Link Wire Sizes (check compatibility in your area)

QS Link Wiring Length	Wire Gauge	Lutron Cable Part Number
Less than 153 m (500 ft)	Power (terminals 1 and 2) 1 pair 1.0 mm ² (18 AWG)	GRX-CBL-346S (non-plenum) GRX-PCBL-346S (plenum)
	Data (terminals 3 and 4) 1 twisted, shielded pair 0.5 mm ² (22 AWG)	
153 to 610 m (500 to 2 000 ft)	Power (terminals 1 and 2) 1 pair 4.0 mm ² (12 AWG)	GRX-CBL-46L (non-plenum) GRX-PCBL-46L (plenum)
	Data (terminals 3 and 4) 1 twisted, shielded pair 0.5 mm ² (22 AWG)	

Job Name:	Model Numbers:
Job Number:	

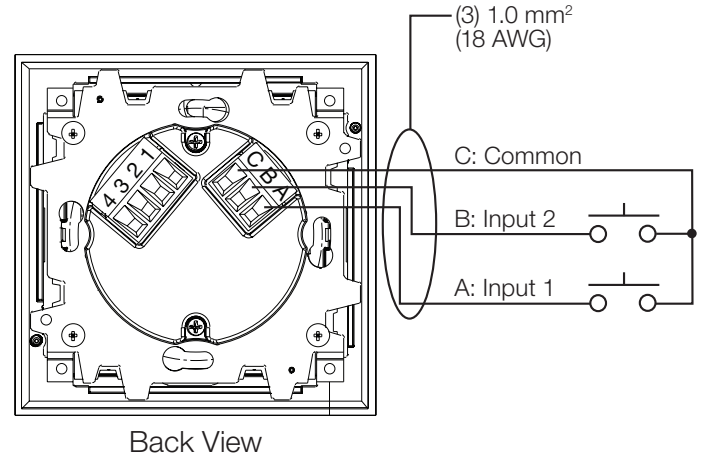
Contact Closure Inputs

Specifications

- 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_{DC} and sink 3,0 mA
 - Open collector PNP or active-high on-state voltage must be greater than 12 V_{DC} and source 3,0 mA
- Wallstation is miswire protected up to 36 V_{DC}.
- Outputs must stay in the closed or open states for at least 40 msec in order to be recognized by the Wallstation.

Contact Closure Input Wiring

- Use SELV/PELV wiring to connect the contact closure inputs to the Wallstation.



Job Name: Job Number:	Model Numbers:
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