

## Color and Engraving Codes

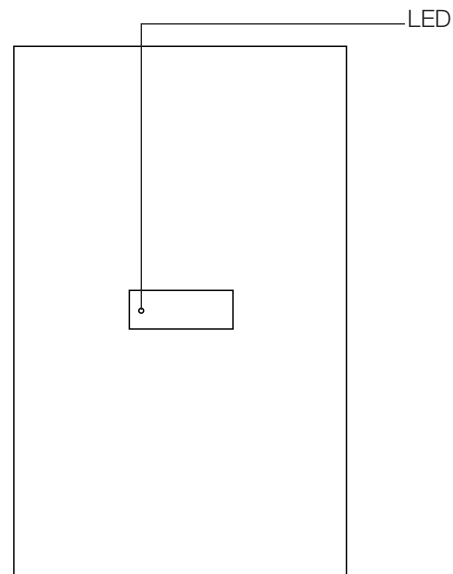
QSW2-1BN-\_\_-\_\_

QSW2-1BI-\_\_-\_\_

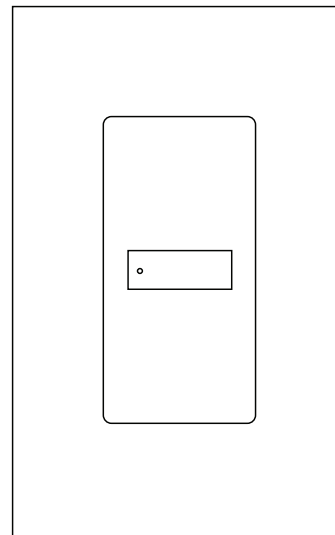
### 1-Button Wallstation

#### Description

- Offers toggle functionality for any combination of zone(s) in the system.
- Receives up to two contact closure inputs through a connector on the back of the wallstation.
- 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.



QSW2-1BN-WH  
(Non-insert version)



QSW2-1BI-WH  
(Insert version)

Job Name:

Model Numbers:

Job Number:

## Color and Engraving Codes (continued)

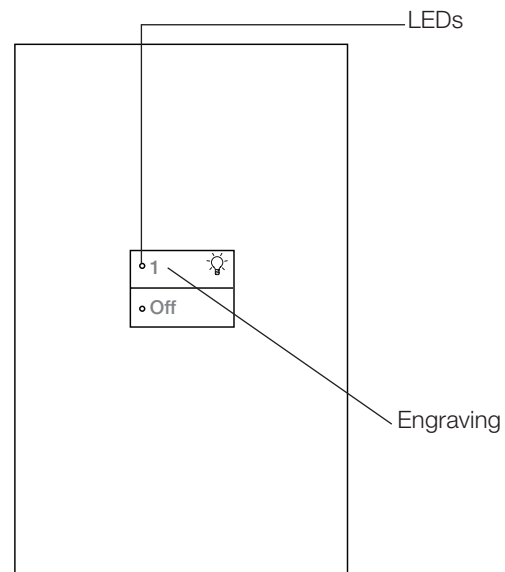
QSW2-2BN-\_\_\_-\_\_\_

QSW2-2BI-\_\_\_-\_\_\_

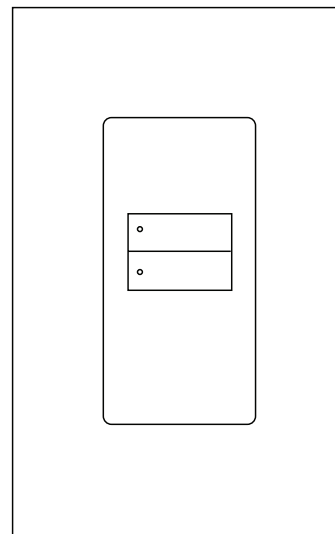
### 2-Button Wallstation

#### Description

- Often used in entryways to select Scene 1 and Off.
- Receives up to two contact closure inputs through a connector on the back of the wallstation.
- 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.



QSW2-2BN-WH-EGN  
(Non-insert version)



QSW2-2BI-WH  
(Insert version)

Job Name:

Model Numbers:

Job Number:

## Color and Engraving Codes (continued)

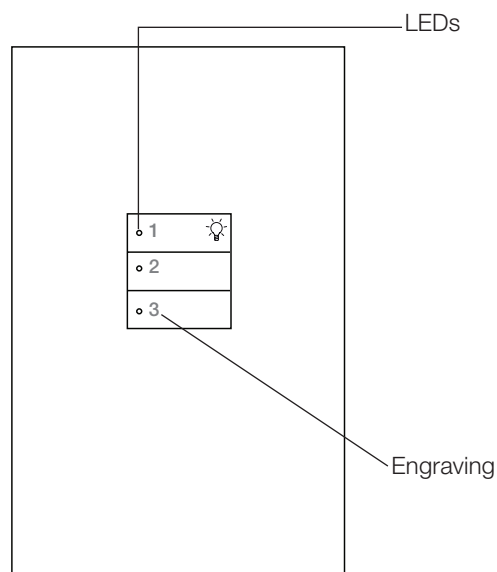
QSW2-3BN-\_\_\_\_-\_\_\_\_

QSW2-3BI-\_\_\_\_-\_\_\_\_

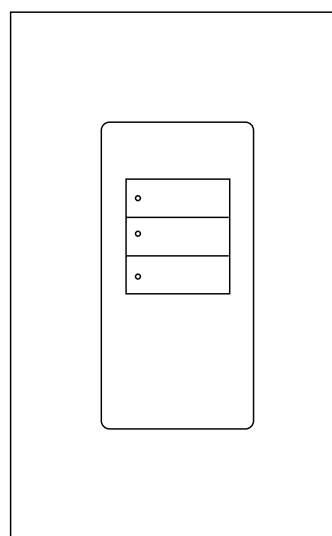
### 3-Button Wallstation

#### Description

- Often used to select scenes.
- Receives up to two contact closure inputs through a connector on the back of the wallstation.
- 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.



QSW2-3BN-WH-EGN  
(Non-insert version)



QSW2-3BI-WH  
(Insert version)

Job Name:

Model Numbers:

Job Number:

## Color and Engraving Codes (continued)

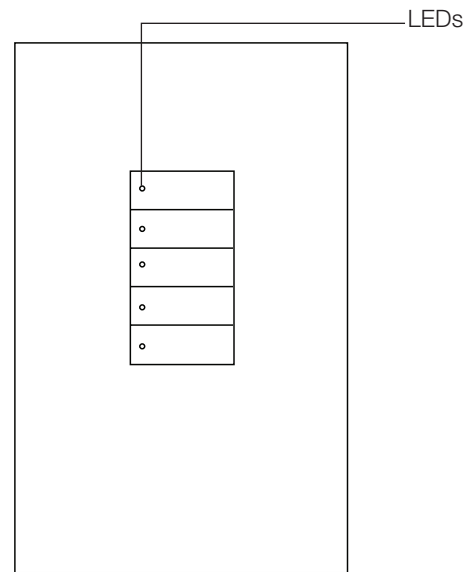
QSW2-5BN-\_\_\_\_-\_\_\_\_

QSW2-5BI-\_\_\_\_-\_\_\_\_

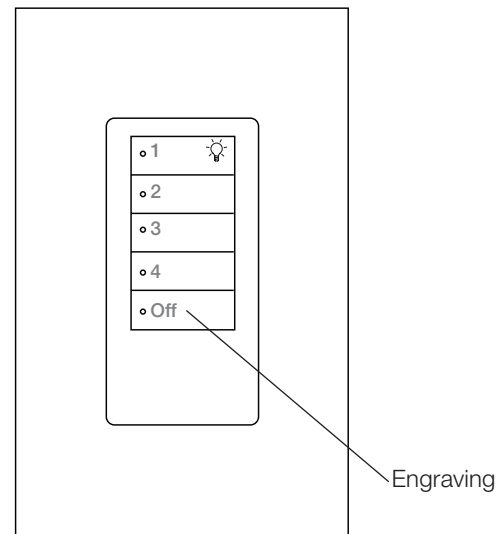
### 5-Button Wallstation

#### Description

- Often used to select between 4 scenes and Off.
- Receives up to two contact closure inputs through a connector on the back of the wallstation.
- 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.



QSW2-5BN-WH  
(Non-insert version)



QSW2-5BI-WH-EGN  
(Insert version)

Job Name:

Model Numbers:

Job Number:

## Color and Engraving Codes (continued)

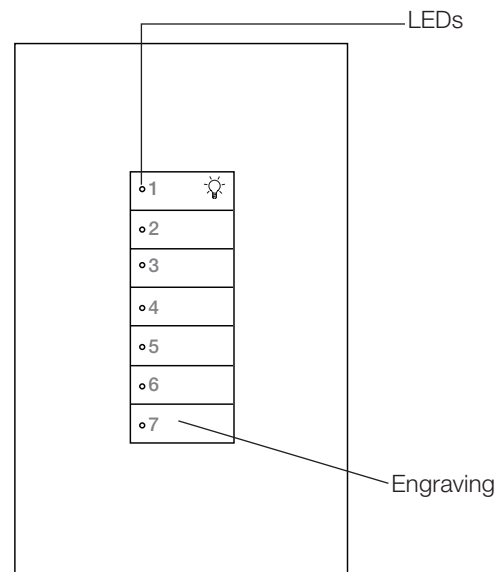
QSW2-7BN-\_\_\_-\_\_\_

QSW2-7BI-\_\_\_-\_\_\_

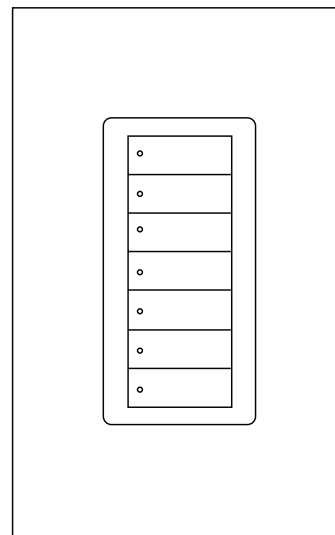
### 7-Button Wallstation

#### Description

- Often used to select scenes.
- Receives up to two contact closure inputs through a connector on the back of the wallstation.
- 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.



QSW2-7BN-WH-EGN  
(Non-insert version)



QSW2-7BI-WH  
(Insert version)

Job Name:

Model Numbers:

Job Number:

## Color and Engraving Codes (continued)

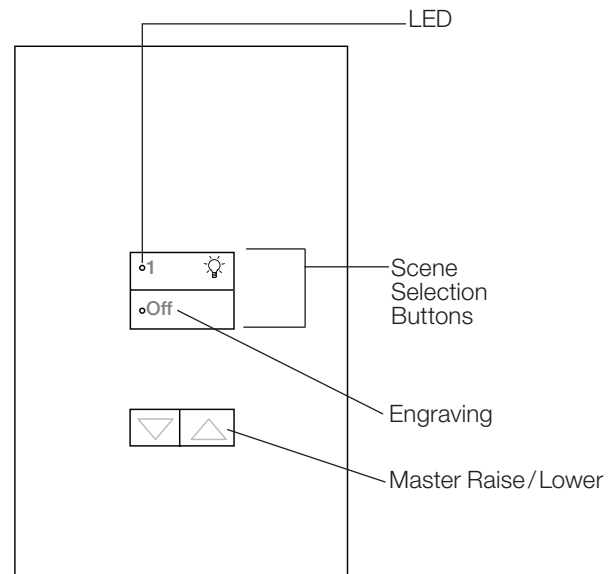
QSW2-2BRLN-\_\_\_-\_\_\_

QSW2-2BRLI-\_\_\_-\_\_\_

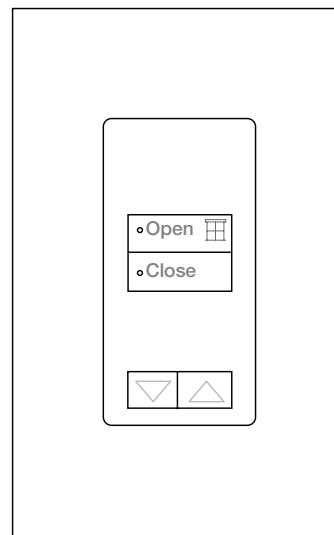
### 2-Button Wallstation with Raise/Lower

#### Description

- Often used to select and adjust scenes.
- Receives up to two contact closure inputs through a connector on the back of the wallstation.
- 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.
- Master Raise/Lower brightens or dims all lighting or raises/lowers all assigned shades in the last selected scene or toggled group.
- The LEDs next to each button are used during programming and provide feedback when the buttons are pressed.
- 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.



QSW2-2BRLN-WH-EGN  
(Non-insert version)



QSW2-2BRLI-WH-E01  
(Insert version)

Job Name:

Model Numbers:

Job Number:

## Color and Engraving Codes (continued)

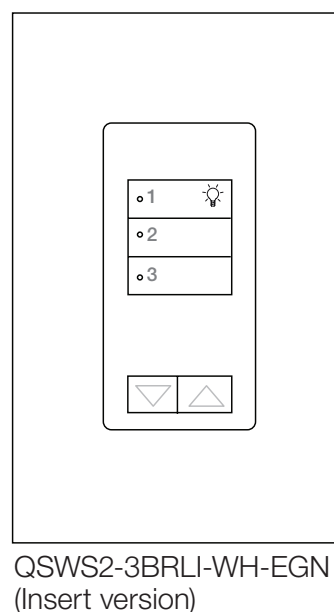
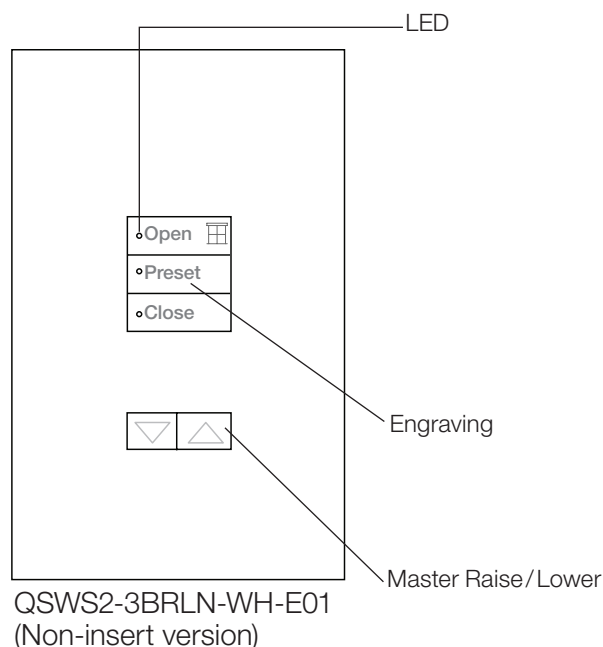
QSW2-3BRLN-\_\_\_\_-\_\_\_\_

QSW2-3BRLI-\_\_\_\_-\_\_\_\_

### 3-Button Wallstation with Raise/Lower

#### Description

- Often used to select and adjust scenes.
- Receives up to two contact closure inputs through a connector on the back of the wallstation.
- 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.
- Master Raise/Lower brightens or dims all lighting or raises/lowers all assigned shades in the last selected scene or toggled group.
- The LEDs next to each button are used during programming and provide feedback when the buttons are pressed.
- 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.
  - One (1) programmable preset button.



Job Name:

Model Numbers:

Job Number:

## Color and Engraving Codes (continued)

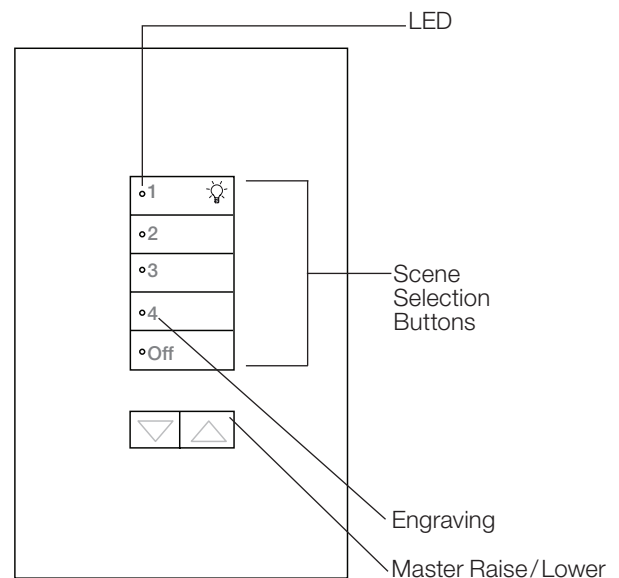
QSW2-5BRLN-\_\_\_-\_\_\_

QSW2-5BRLI-\_\_\_-\_\_\_

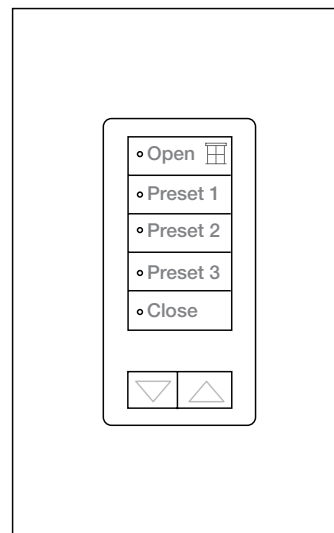
### 5-Button Wallstation with Raise/Lower

#### Description

- Often used to select and adjust scenes.
- Receives up to two contact closure inputs through a connector on the back of the wallstation.
- 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.
- Master Raise/Lower brightens or dims all lighting or raises/lowers all assigned shades in the last selected scene or toggled group.
- The LEDs next to each button are used during programming and provide feedback when the buttons are pressed.
- 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.



QSW2-5BRLN-WH-EGN  
(Non-insert version)



QSW2-5BRLI-WH-E01  
(Insert version)

Job Name:

Model Numbers:

Job Number:

## Color and Engraving Codes (continued)

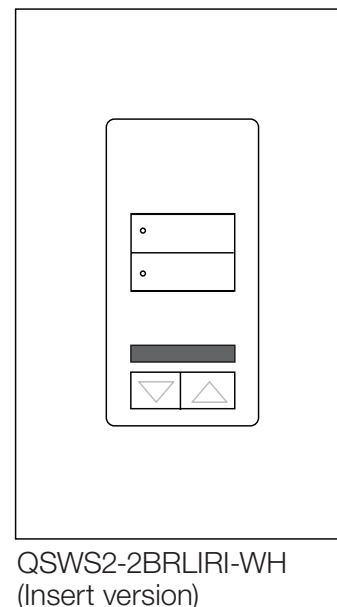
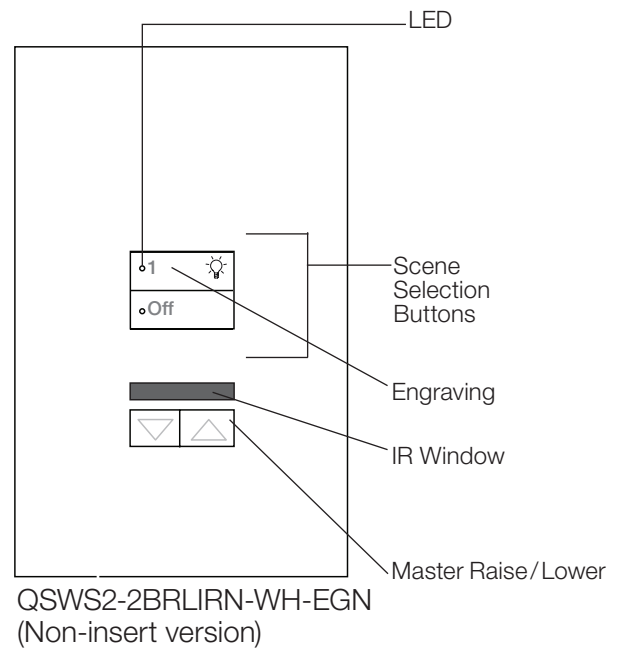
QSW2-2BRLIRN-\_\_\_\_-\_\_\_\_

QSW2-2BRLIRI-\_\_\_\_-\_\_\_\_

### 2-Button Wallstation with Infrared (IR) Receiver and Raise/Lower

#### Description

- Often used to select and adjust scenes.
- Receives up to two contact closure inputs through a connector on the back of the wallstation.
- 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.
- Master Raise/Lower brightens or dims all lighting or raises/lowers all assigned shades in the last selected scene or toggled group.
- The LEDs next to each button are used during programming and provide feedback when the buttons are pressed.
- 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.



Job Name:

Model Numbers:

Job Number:

## Color and Engraving Codes (continued)

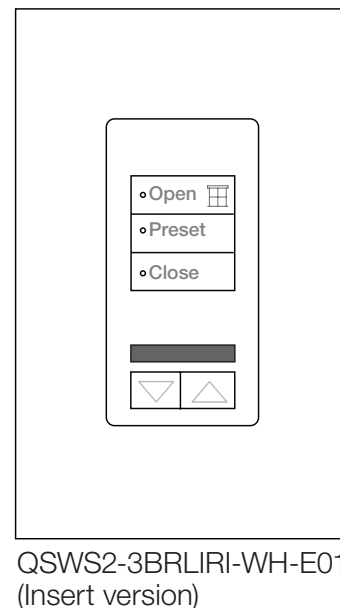
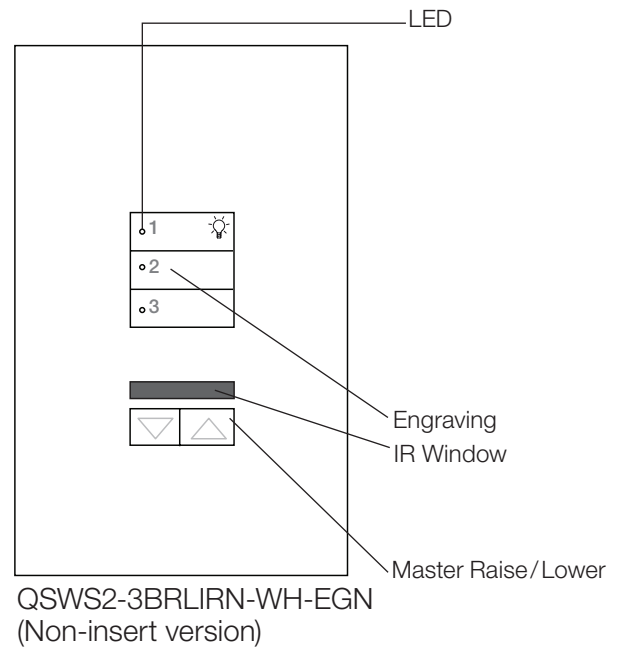
QSW2-3BRLIRN-\_\_\_\_-\_\_\_\_

QSW2-3BRLIRI-\_\_\_\_-\_\_\_\_

### 3-Button Wallstation with Infrared Receiver and Raise/Lower

#### Description

- Often used to select and adjust scenes.
- Receives up to two contact closure inputs through a connector on the back of the wallstation.
- 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.
- Master Raise/Lower brightens or dims all lighting or raises/lowers all assigned shades in the last selected scene or toggled group.
- The LEDs next to each button are used during programming and provide feedback when the buttons are pressed.
- 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.
  - One (1) programmable preset button.



Job Name:

Model Numbers:

Job Number:

## Color and Engraving Codes (continued)

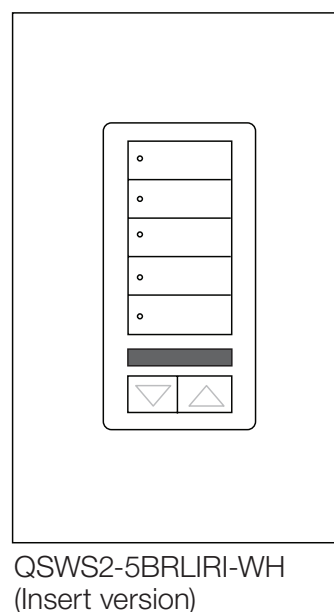
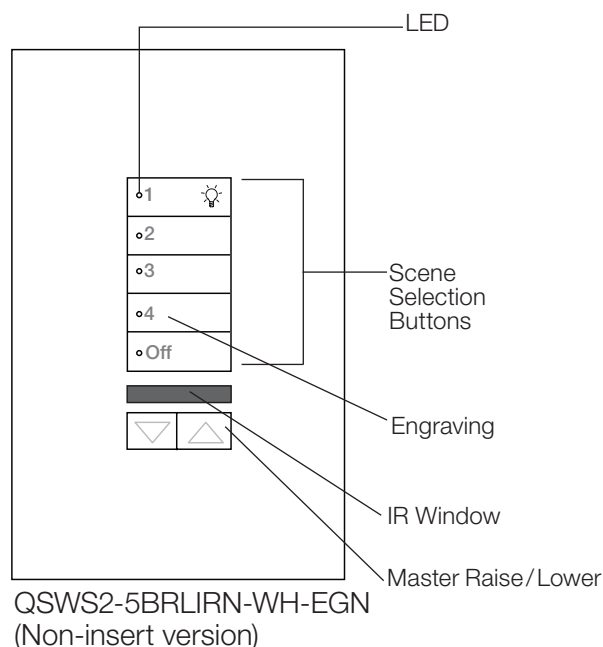
QSW2-5BRLIRN-\_\_\_-\_\_\_

QSW2-5BRLIRI-\_\_\_-\_\_\_

### 5-Button Wallstation with Infrared Receiver and Raise/Lower

#### Description

- Often used to select and adjust scenes.
- Receives up to two contact closure inputs through a connector on the back of the wallstation.
- 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.
- Master Raise/Lower brightens or dims all lighting or raises/lowers all assigned shades in the last selected scene or toggled group.
- The LEDs next to each button are used during programming and provide feedback when the buttons are pressed.
- 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.



Job Name:

Model Numbers:

Job Number:

## Color and Engraving Codes (continued)

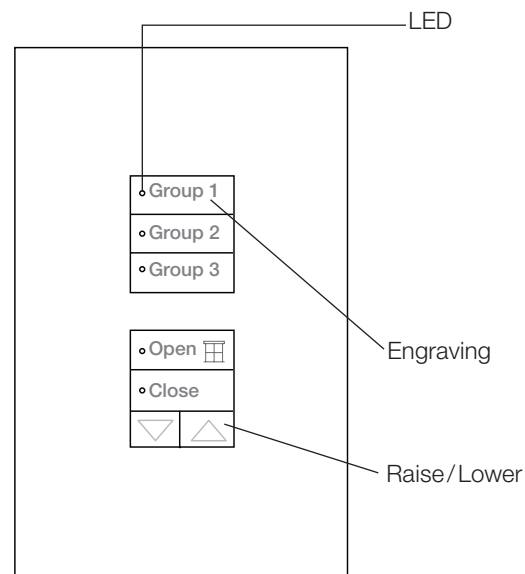
QSW2-1RLDN-\_\_\_\_-\_\_\_\_

QSW2-1RLDI-\_\_\_\_-\_\_\_\_

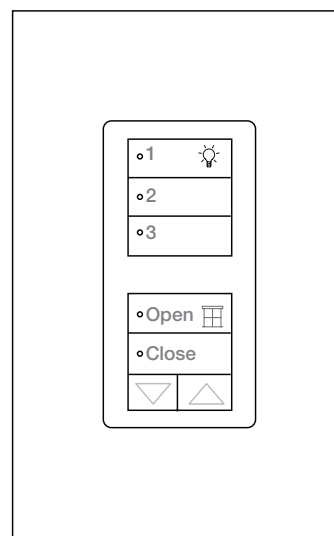
### Dual Wallstation with 3-Button and 2-Button with Raise/Lower

#### Description

- Used to control one or more lighting or window treatment groups simultaneously.
- Functions as two independently programmable controllers: a 3-button (top keypad group) and a 2-button (bottom keypad group). Can control two lighting zones, two shade zones, or one of each.
- Receives up to two contact closure inputs through a connector on the back of the wallstation.
- 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):
  - 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).
  - Often used to select three different groups of shades using Open, Close, and Raise/Lower.
  - 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.



QSW2-1RLDN-WH-E01  
(Non-insert version)



QSW2-1RLDI-WH-EGN  
(Insert version)

Job Name:

Model Numbers:

Job Number:

## Color and Engraving Codes (continued)

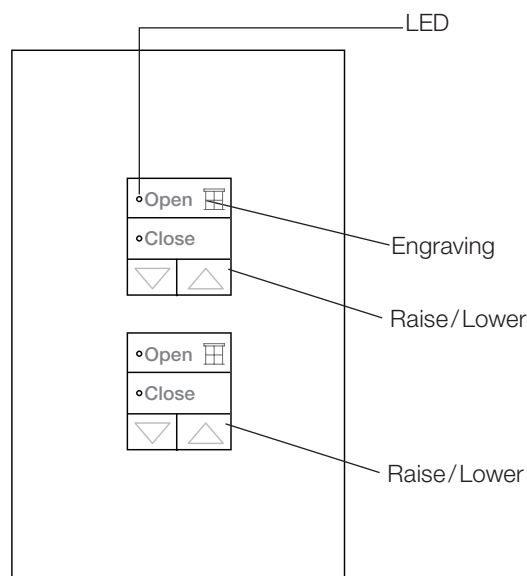
QSW2-2RLDN-\_\_\_\_-\_\_\_\_

QSW2-2RLDI-\_\_\_\_-\_\_\_\_

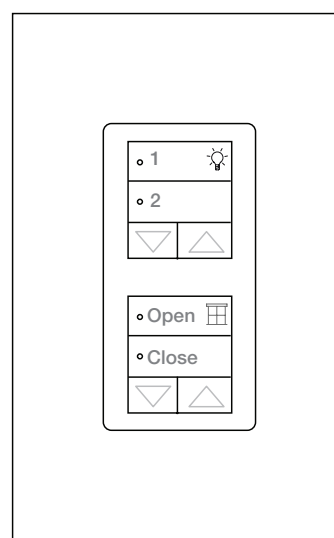
### Dual 2-Button Wallstation with Raise/Lower

#### Description

- Used to control one or more lighting or window treatment groups simultaneously.
- Functions as two independently programmable 2-button controllers. Can control two lighting zones, two shade zones, or one of each.
- Receives up to two contact closure inputs through a connector on the back of the wallstation.
- 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):
  - Can be 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.



QSW2-2RLDN-WH-E01  
(Non-insert version)



QSW2-2RLDI-WH-EGN  
(Insert version)

Job Name:

Model Numbers:

Job Number:

## Color and Engraving Codes (continued)

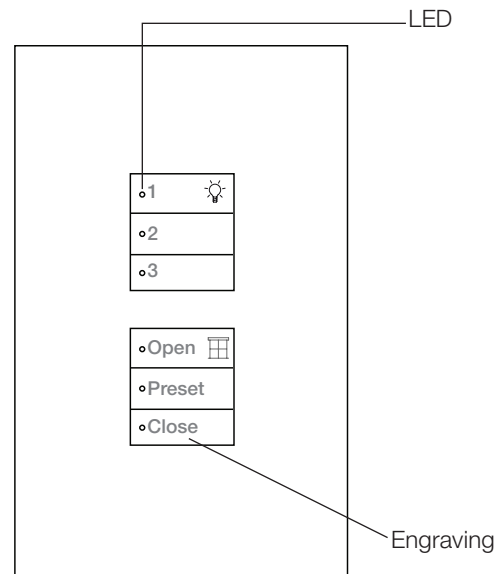
QSW2-3BDI-\_\_\_\_-\_\_\_\_

QSW2-3BDN-\_\_\_\_-\_\_\_\_

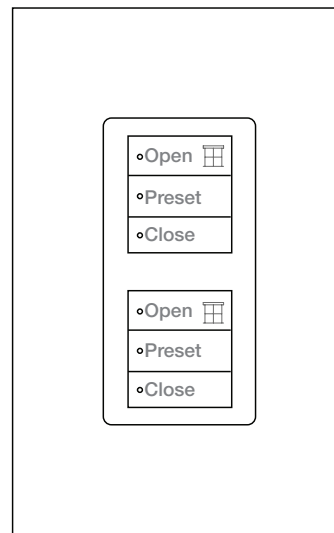
### Dual 3-Button Wallstation

#### Description

- Used to control one or more lighting or window treatment groups simultaneously.
- Functions as two independently programmable 3-button controllers. Can control two lighting zones, two shade zones, or one of each.
- Receives up to two contact closure inputs through a connector on the back of the wallstation.
- 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):
  - Can be 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 per 3-button column.



QSW2-3BDN-WH-EGN  
(Non-insert version)



QSW2-3BDI-WH-E01  
(Insert version)

Job Name:

Model Numbers:

Job Number:

## Specifications

### Power Input (Control Link Terminal 2)

SELV/PELV/NEC® Class 2. Operating voltage: 24–36 V $\overline{=}$  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.
- Can be ganged to share a common faceplate with Nova T $\star$  and Vareo dimmers. To order new wallplates for multi-ganging, specify “R3” openings in a Nova T $\star$  multi-gang FB (fins broken) series model number.
- Use Faceplate Replacement Kits to change color, button configuration, or engraving, or to convert between non-insert and insert configurations.

### System Communications and Capacity

- SELV/PELV/NEC® Class 2 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 one device and zero zones on the QS Link.
- A seeTouch QS wallstation consumes one power draw unit (PDU) on the QS link. For complete information, see **Power Draw Units on the QS Link** (P/N 369405) at [www.lutron.com](http://www.lutron.com)

### Terminals

Accept up to two 18 AWG (1.0 mm<sup>2</sup>).

### Environment

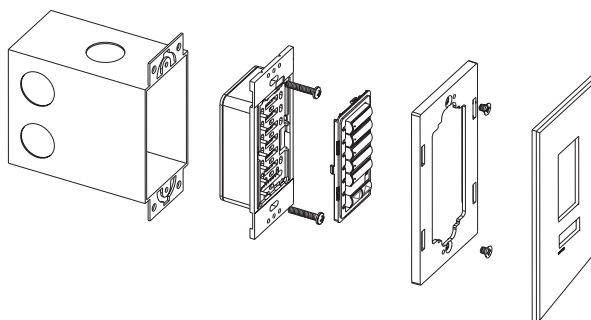
32 °F to 104 °F (0 °C to 40 °C). Relative humidity less than 90% non-condensing.

### Compatibility

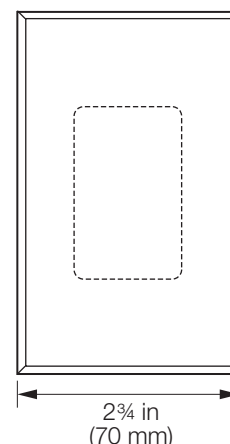
seeTouch QS keypads are compatible with GRAFIK Eye QS, Sivoia QS, Energi Savr Node, and Quantum systems.

### Mounting

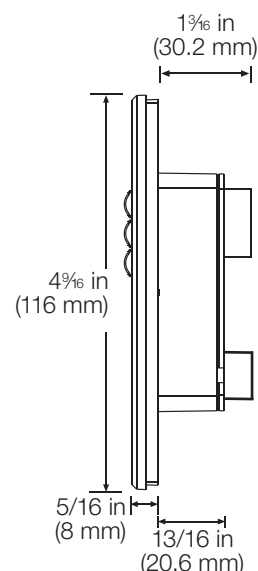
Typical backbox dimensions:  
3.75 in (95 mm) high,  
2.1875 in (55 mm) wide,  
2.75 in (70 mm) deep.



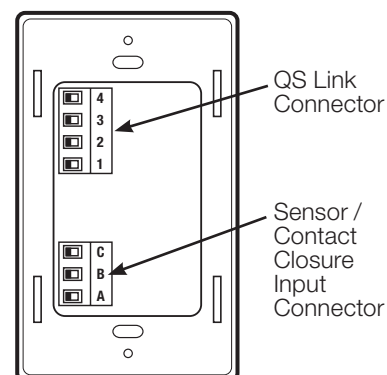
### Dimensions Front View



### Side View



### Back View



Job Name:

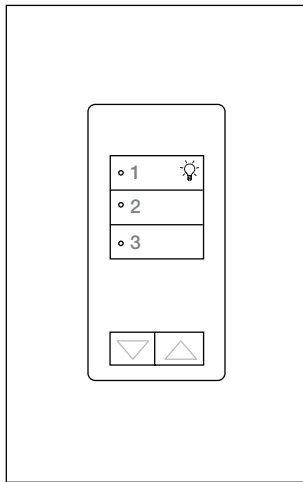
Model Numbers:

Job Number:

## Available Control Types

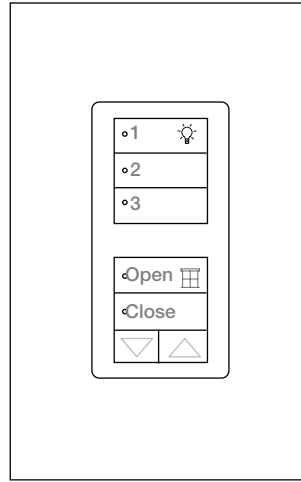
seeTouch wallstations are available in three types:

### Lights Only



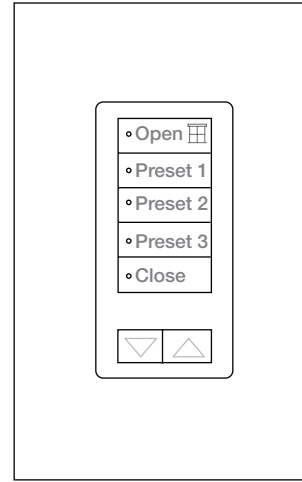
QSW2-3BRLI-WH-EGN  
(Insert version)

### Lights and Shades



QSW2-1RLDI-WH-EGN  
(Insert version)

### Shades Only



QSW2-5BRLI-WH-E01  
(Insert version)

### 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

- Top column controls only lights and has a programmable column type (choose from the list on the following pages).
- Bottom column controls only shades and has a programmable column type (choose from the list on the following pages).
- Engraving options: General (EGN) and Non-Standard (NST).

### Shades Only

- Controls only shades.
- Models with preset buttons have programmable preset levels.
- Engraving options: Standard (E01), Secondary (E02), and Non-Standard (NST).

Job Name:

Model Numbers:

Job Number:

## Available Column Types

### Scene (with Off)

- Controls pre-programmed scenes on one or more scene controllers (such as a GRAFIK Eye QS, or an area on an Energi Savr Node).
- 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 zone or group of zones.

### 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.
- Pressing 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 on next page)

Job Name:	Model Numbers:
Job Number:	

## Available Column Types (continued)

### 2B Panic (2-button wallstation only)

- Button press causes all assigned scene controllers 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 Lutron 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).

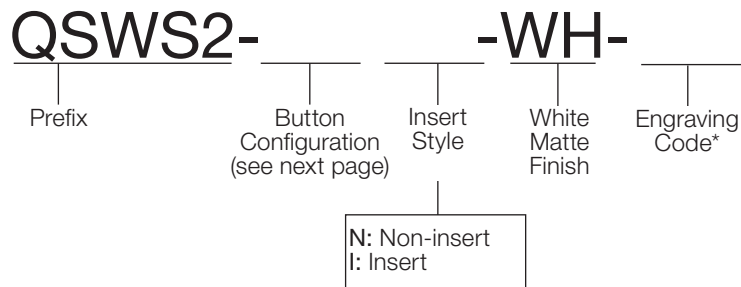
**Note:** Column types can be changed using the GRAFIK Eye QS programming menu (e.g., control programmed as lights only can be changed to shades only).

Job Name:

Model Numbers:

Job Number:

## How to Build a Standard seeTouch QS Model Number



**NOTE:** Standard engraving text does not automatically assign or re-assign system programming to the QS keypad buttons. Project-specific customer input and programming by a Lutron service team member is still required to achieve a desired sequence of operation/system functionality per control.

\* Engraving options may vary based on Button Configuration selected. Refer to next pages for available options (see Standard seeTouch QS Wallstation Button Functions Summary).

Button Configurations			
<b>2B</b>	<b>3B</b>	<b>5B</b>	<b>7B</b>
Generic			
Engraving Code: G for all configurations			
On	1	1	1
Off	2	2	2
	Off	3	3
		4	4
		Off	5
			6
			Off
Shades			
Engraving Code: S for all configurations			
Open	Open	Open	Open
Close	Preset 1	Preset 1	Preset 1
	Close	Preset 2	Preset 2
		Preset 3	Preset 3
		Close	Preset 4
			Preset 5
			Close
Hotel Room			
Engraving Code: H for all configurations			
DND	High	High	Welcome
MUR	Low	Medium	Foyer
	Off	Low	Living
		Nightlight	Bed
		Off	Bath
			Bedside
			Off
Auditorium			
Engraving Code: A for all configurations			
All On	All On	All On	All On
All Off	Present	Present	Present
	All Off	Lecture	Lecture
		Exam	Exam
		All Off	Perform
			Cleaning
			All Off

Job Name:

Model Numbers:

Job Number:


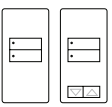
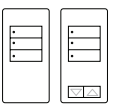
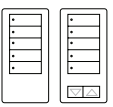
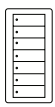






















# Standard seeTouch QS Wallstation Button Functions Summary (WH Only)

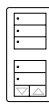






























Button Configurations			
2B	3B	5B	7B
Lobby			
Engraving Codes			
A	L	L	L
<div>All On </div> <div>All Off </div>	<div>All On </div> <div>Event</div> <div>All Off </div>	<div>All On </div> <div>Morning</div> <div>Afternoon</div> <div>Evening</div> <div>All Off </div>	<div>All On </div> <div>Morning</div> <div>Afternoon</div> <div>Evening</div> <div>After Hours</div> <div>Event</div> <div>All Off </div>
Restaurant			
Engraving Codes			
A	R	R	R
<div>All On </div> <div>All Off </div>	<div>All On </div> <div>After Hours</div> <div>All Off </div>	<div>All On </div> <div>Breakfast</div> <div>Lunch</div> <div>Dinner</div> <div>All Off </div>	<div>All On </div> <div>Breakfast</div> <div>Lunch</div> <div>Dinner</div> <div>After Hours</div> <div>Cleaning</div> <div>All Off </div>

Button Configurations			
2B	3B	5B	7B
Retail			
Engraving Codes			
A	R	L	T
<div>All On </div> <div>All Off </div>	<div>All On </div> <div>After Hours</div> <div>All Off </div>	<div>All On </div> <div>Morning</div> <div>Afternoon</div> <div>Evening</div> <div>All Off </div>	<div>All On </div> <div>Morning</div> <div>Afternoon</div> <div>Evening</div> <div>After Hours</div> <div>Cleaning</div> <div>All Off </div>
Classroom			
Engraving Codes			
A	A	A	C
<div>All On </div> <div>All Off </div>	<div>All On </div> <div>Present</div> <div>All Off </div>	<div>All On </div> <div>Present</div> <div>Lecture</div> <div>Exam</div> <div>All Off </div>	<div>All On </div> <div>Present</div> <div>Lecture</div> <div>Exam</div> <div>Movie</div> <div>Cleaning</div> <div>All Off </div>

Job Name:	Model Numbers:
Job Number:	

## Standard seeTouch QS Wallstation Button Functions Summary (WH only) (continued)

Button Configurations				
				
1B	2B	3B	5B	7B
Meeting Room				
Engraving Codes				
	A	M	M	M
N/A	All On  All Off 	All On  Meeting All Off 	All On  Meeting A/V Cleaning All Off 	All On  Meeting A/V Pendant Perimeter Event All Off 
Ballroom				
Engraving Codes				
	A	L	B	B
N/A	All On  All Off 	All On  Event 1 All Off 	All On  Event 1 Event 2 Event 3 All Off 	All On  Event 1 Event 2 Event 3 Event 4 Event 5 All Off 
Private Office				
Engraving Codes				
	A	P	P	
N/A	All On  All Off 	On  Dim Off 	On  Dim Zone 1 Zone 2 Off 	N/A
Zone Toggle				
Engraving Code: Z for all configurations				
On/Off	Zone 1 Zone 2	Zone 1 Zone 2 Zone 3	Zone 1 Zone 2 Zone 3 Zone 4 Zone 5	Zone 1 Zone 2 Zone 3 Zone 4 Zone 5 Zone 6 Zone 7

Button Configurations		
		
1RLD	2RLD	3BD
Shades – Dual Zone		
Engraving Code: D for all configurations		
N/A	Open  Close   Open  Close 	N/A
Lights and Shades A		
Engraving Code: U for all configurations		
On  Preset Off   Open  Close 	On  Off   Open  Close 	On  Preset Off   Open  Preset Close 
Lights Dual Zone		
Engraving Code: K for all configurations		
N/A	On  Off   On  Off 	On  Preset Off   On  Preset Off 
Lights and Shades B		
Engraving Code: Q for all configurations		
N/A	N/A	On  Preset Off   Open  Stop Close 

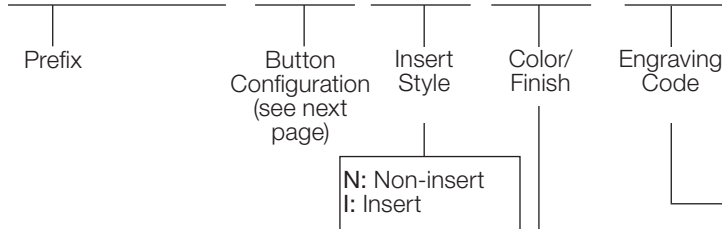
Job Name:

Model Numbers:

Job Number:

## How to Build a Custom seeTouch QS Model Number

# QSW S2-



### Color/Finish Codes

#### Architectural Matte Finishes

White	WH
Ivory	IV
Beige	BE
Gray	GR
Brown	BR
Black	BL
Almond	AL
Light Almond	LA
Taupe	TP

#### Architectural Metal Finishes

With black plastic buttons (standard).

Bright Brass	BB
Bright Chrome	BC
Bright Nickel	BN
Satin Brass	SB
Satin Chrome	SC
Satin Nickel	SN
Antique Brass	QB
Antique Bronze	QZ

#### Anodized Aluminum Finishes

With black plastic buttons (standard).

Clear	CLA
Black	BLA
Brass	BRA

#### Satin Colors Matte Finishes

Available with Insert (I) style controls only.

Snow	SW
Midnight	MN
Taupe	TP
Biscuit	BI
Eggshell	ES
Palladium	PD*
Hot	HT*
Merlot	MR*
Plum	PL*
Sienna	SI*
Terracotta	TC*
Bluestone	BG*
Green briar	GB*
Goldstone	QS*
Mocha stone	MS*
Stone	ST*
Desert Stone	DS*
Limestone	LS*

**\*Note:** Some Satin Colors units ship with different color buttons. For more information, please visit the seeTouch website at [www.lutron.com/seeTouch](http://www.lutron.com/seeTouch)

**\*For the latest color offerings please see our website:**  
<http://www.lutron.com/satincolors>

### Engraving Codes

Omit: Unengraved

EGN: General Engraving

For "Lights only" and "Lights and Shades" controls

E01: Standard Engraving

For "Shades only" controls

E02: Secondary engraving for "Shades only" controls

NST: Non-Standard Text Engraving

Please visit the GRAFIK Eye QS website at [www.lutron.com/grafikeyeqs](http://www.lutron.com/grafikeyeqs) for custom engraving forms

### Engraving Notes

- The engraving option (model number and suffix) is related to the control type, as shown above in the "How to Build a Standard seeTouch QS Model Number" section.
- Four engraving options are available:
  - EGN: General engraving for 'Lights Only' and 'Lights and Shades' controls
  - E01: Standard engraving for 'Shades Only' controls and 'Lights and Shades' for model QSWE-10BRLI-WH-E01 only
  - E02: Secondary engraving for 'Shades Only' controls
  - NST: Non-standard engraving for 'Lights Only', 'Lights and Shades', or 'Shades Only' controls
- If no engraving is specified, wallstations will ship with an engraving certificate, with EGN being its default engraving type.

**If no color is specified, wallstations will ship with white (WH) finish.**

Job Name:

Model Numbers:

Job Number:

## Custom seeTouch QS Wallstation Button Functions Summary

Button Configuration							
<b>1B</b>	<b>2B</b>	<b>3B</b>	<b>5B</b>	<b>7B</b>	<b>1RLD</b>	<b>2RLD</b>	<b>3BD</b>
EGN (General Engraving) Functionality							
<div>Scene 1</div> <div>☹</div>	<div>Scene 1</div> <div>Off</div> <div>☹</div>	<div>Scene 1</div> <div>Scene 2</div> <div>Scene 3</div> <div>☹</div>	<div>Scene 1</div> <div>Scene 2</div> <div>Scene 3</div> <div>Scene 4</div> <div>Off</div> <div>☹</div>	<div>Scene 1</div> <div>Scene 2</div> <div>Scene 3</div> <div>Scene 4</div> <div>Scene 5</div> <div>Scene 6</div> <div>Scene 7</div> <div>☹</div>	<div>Scene 1</div> <div>Scene 2</div> <div>Scene 3</div> <div>☹</div> <div>Open</div> <div>Close</div> <div>☹</div>	<div>Scene 1</div> <div>Off</div> <div>☹</div> <div>Open</div> <div>Close</div> <div>☹</div>	<div>Scene 1</div> <div>Scene 2</div> <div>Scene 3</div> <div>☹</div> <div>Open</div> <div>Preset</div> <div>Close</div> <div>☹</div>
E01 (Standard Engraving) Functionality							
N/A	<div>Open</div> <div>Close</div> <div>☹</div>	<div>Open</div> <div>Preset</div> <div>Close</div> <div>☹</div>	<div>Open</div> <div>Preset 1</div> <div>Preset 2</div> <div>Preset 3</div> <div>Close</div> <div>☹</div>	N/A	<div>Group 1</div> <div>Group 2</div> <div>Group 3</div> <div>☹</div> <div>Open</div> <div>Close</div> <div>☹</div>	<div>Open</div> <div>Close</div> <div>☹</div> <div>Open</div> <div>Close</div> <div>☹</div>	<div>Open</div> <div>Preset</div> <div>Close</div> <div>☹</div> <div>Open</div> <div>Preset</div> <div>Close</div> <div>☹</div>
E02 (Secondary/Shades Only Engraving) Functionality							
N/A	N/A	N/A	N/A	N/A	<div>Blackout</div> <div>Sheer</div> <div>Both</div> <div>☹</div> <div>Open</div> <div>Close</div> <div>☹</div>	N/A	N/A

### Legend:

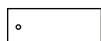
☹ Light Control

☹ Shade Control

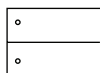
Job Name:	Model Numbers:
Job Number:	

# How to Build a seeTouch QS Model Number

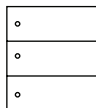
## Button Configurations



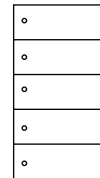
1B  
1-button



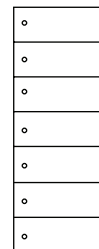
2B  
2-button



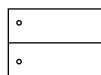
3B  
3-button



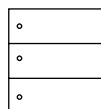
5B  
5-button



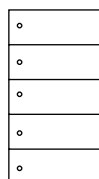
7B  
7-button



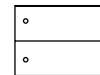
2BRL  
2-button with  
raise/lower



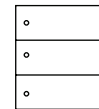
3BRL  
3-button with  
raise/lower



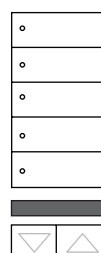
5BRL  
5-button with  
raise/lower



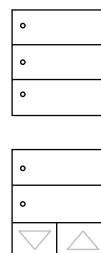
2BRLIR  
2-button with IR  
receiver and  
raise/lower



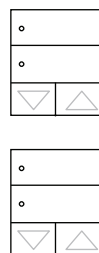
3BRLIR  
3-button with IR  
receiver and  
raise/lower



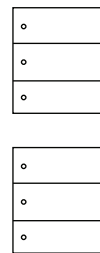
5BRLIR  
5-button with IR  
receiver and  
raise/lower



1RLD  
Dual with 3-button  
and 2-button with  
raise/lower



2RLD  
Dual 2-button with  
raise/lower



3BD  
Dual 3-button

Job Name:

Model Numbers:

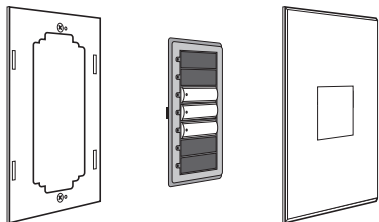
Job Number:

## Faceplate Information

### Faceplate Replacement Kits

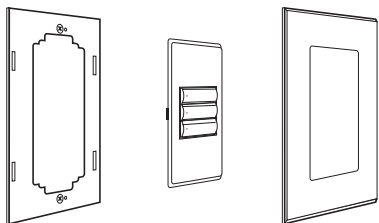
Use faceplate replacement kits to change: colors, button configuration, engraving, between insert and non-insert versions. Each kit includes an adapter, button assembly, and wallplate

#### 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

QSW2R-1BN  
QSW2R-2BN  
QSW2R-3BN  
QSW2R-5BN  
QSW2R-7BN  
QSW2R-2BRLN  
QSW2R-3BRLN  
QSW2R-5BRLN  
QSW2R-1RLDN  
QSW2R-2RLDN  
QSW2R-3BDN  
QSW2R-2BRLIRN  
QSW2R-3BRLIRN  
QSW2R-5BRLIRN

#### Insert

QSW2R-1BI  
QSW2R-2BI  
QSW2R-3BI  
QSW2R-5BI  
QSW2R-7BI  
QSW2R-2BRLI  
QSW2R-3BRLI  
QSW2R-5BRLI  
QSW2R-1RLDI  
QSW2R-2RLDI  
QSW2R-3BDI  
QSW2R-2BRLIRI  
QSW2R-3BRLIRI  
QSW2R-5BRLIRI

Job Name:

Model Numbers:

Job Number:

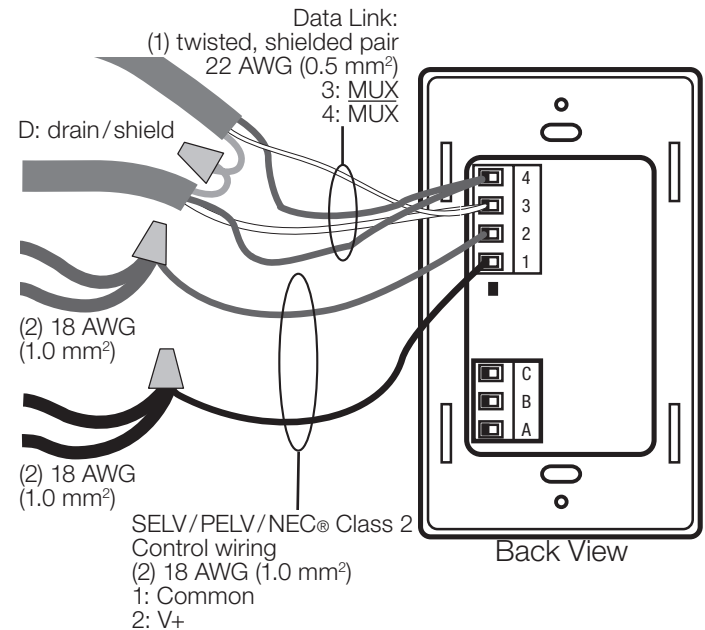
## Wallstation Installation

### QS Link Wiring

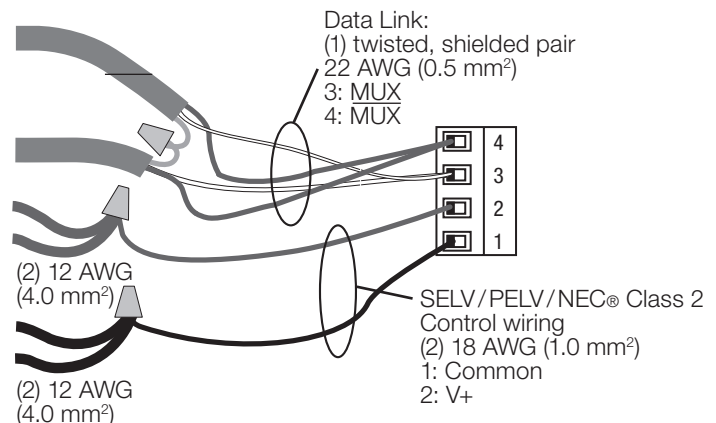
- Use SELV/PELV/NEC® Class 2 wiring to connect wallstations to the QS Link.
- Connect two 22 AWG (0.5 mm<sup>2</sup>) shielded, twisted pair wires to terminals 3 and 4 of the wallstation's control link connector. Shielding (drain) of the twisted pair wires must be connected together as shown, but do 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 (<500 ft/153 m)



### Link Wiring (500 ft/153 m to 2000 ft/610 m)



### QS Link Wire Sizes (check compatibility in your area)

QS Link Wiring Length	Wire Gauge	Lutron Cable Part Number
Less than 500 ft (153 m)	Power (terminals 1 and 2) 1 pair 18 AWG (1.0 mm <sup>2</sup> )	GRX-CBL-346S (non-plenum) GRX-PCBL-346S (plenum)
	Data (terminals 3 and 4) 1 twisted, shielded pair 22 AWG (0.5 mm <sup>2</sup> )	
500ft to 2000 ft (153 m to 610 m)	Power (terminals 1 and 2) 1 pair 12 AWG (4.0 mm <sup>2</sup> )	GRX-CBL-46L (non-plenum) GRX-PCBL-46L (plenum)
	Data (terminals 3 and 4) 1 twisted, shielded pair 22 AWG (0.5 mm <sup>2</sup> )	

Job Name:	Model Numbers:
Job Number:	

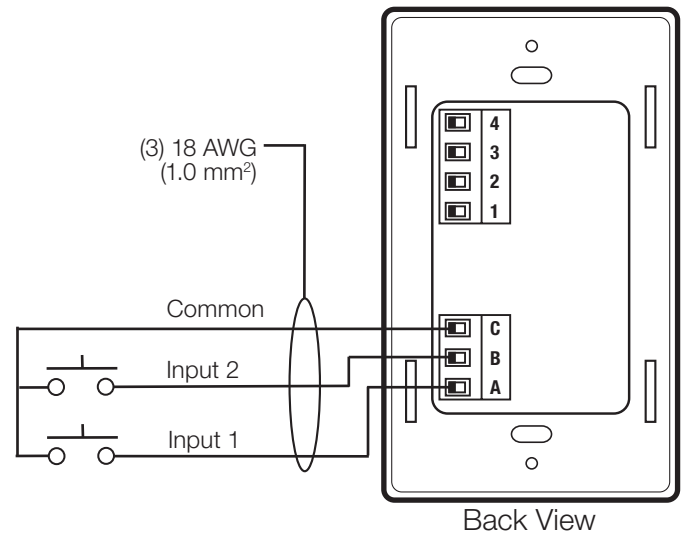
## Contact Closure Inputs

### 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<sub>DC</sub> and sink 3.0 mA
  - Open collector PNP or active-high on-state voltage must be greater than 12 V<sub>DC</sub> and source 3.0 mA
- Wallstation is miswire protected up to 36 V<sub>DC</sub>.
- 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 low-voltage SELV/PELV/NEC® Class 2 wiring to connect the contact closure inputs to the wallstation.



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NEC is a registered trademark of National Fire Protection Association, Quincy, Massachusetts.

## **LUTRON** SPECIFICATION SUBMITTAL

Page

Job Name:

Model Numbers:

Job Number: