Color and Engraving Codes
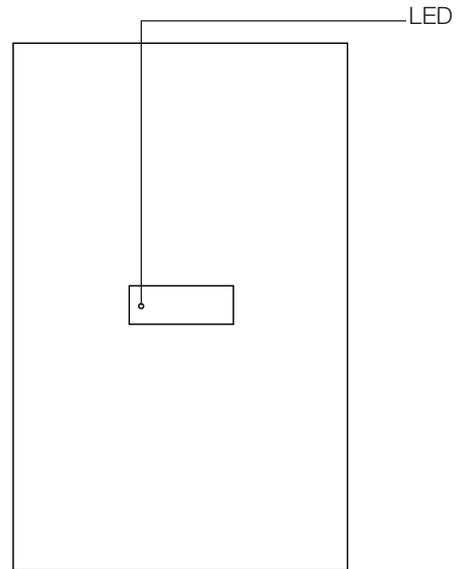
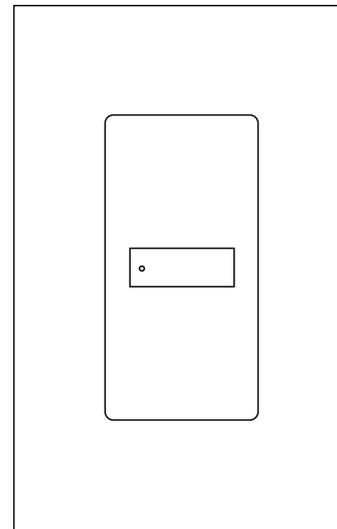**QSWS2-1BN-___-___**
QSWS2-1BI-___-___
1-Button Wallstation

Description

- Offers toggle functionality for any combination of zone(s) in the system.
- Receives up to two contact closure inputs via 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.

LED

QSWS2-1BN-WH
(Non-insert version)

QSWS2-1BI-WH
(Insert version)

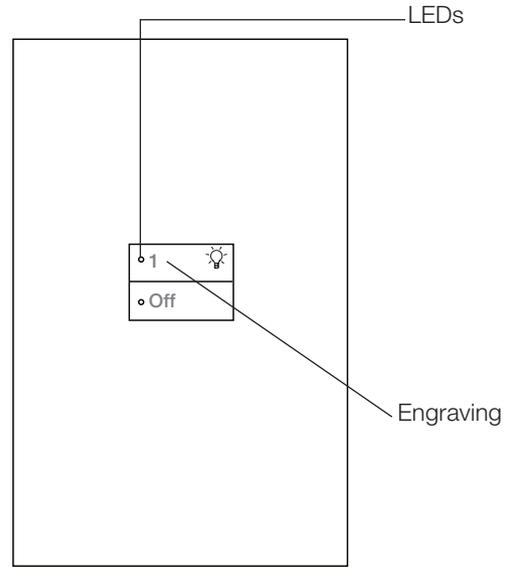| Job Name:	Model Numbers:
Job Number:	

Color and Engraving Codes
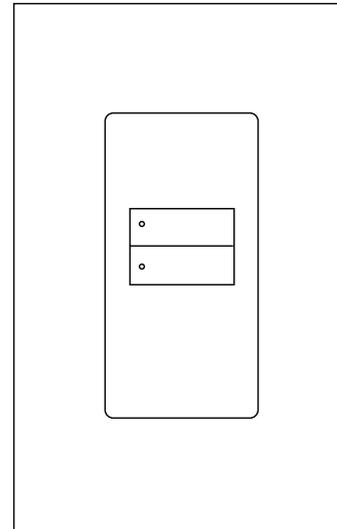
QSWS2-2BN-___-___
QSWS2-2BI-___-___
2-Button Wallstation

Description
- Often used in entryways to select Scene 1 and Off.
- Receives up to two contact closure inputs via 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.

QSWS2-2BN-WH-EGN
(Non-insert version)

QSWS2-2BI-WH
(Insert version)

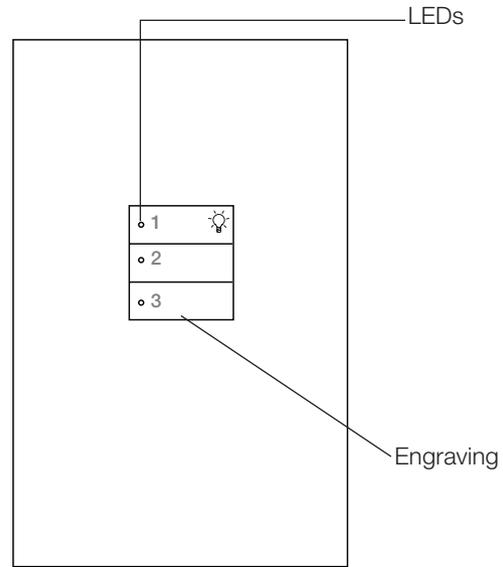| Job Name:	Model Numbers:
Job Number:	

Color and Engraving Codes
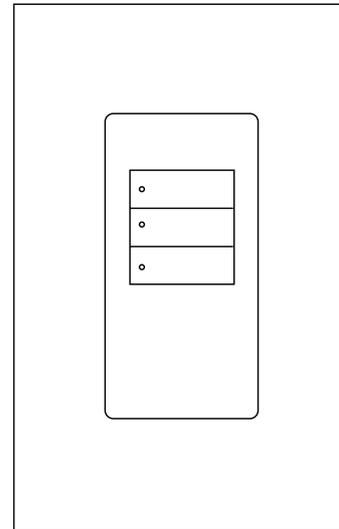
QSWS2-3BN-___-___
QSWS2-3BI-___-___
3-Button Wallstation

Description
- Often used to select scenes.
- Receives up to two contact closure inputs via 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.

LEDs

Engraving

QSWS2-3BN-WH-EGN
(Non-insert version)

QSWS2-3BI-WH
(Insert version)

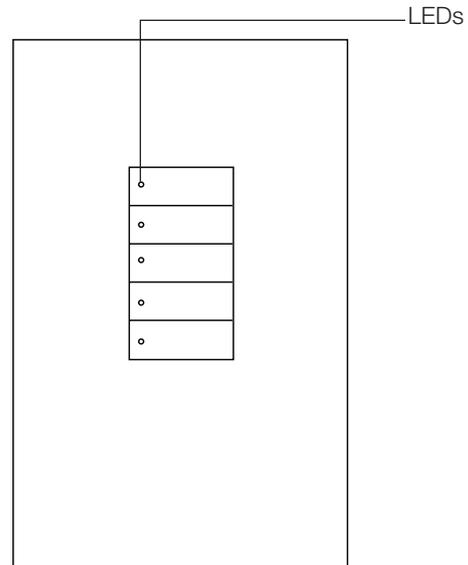| Job Name:	Model Numbers:
Job Number:	

Color and Engraving Codes
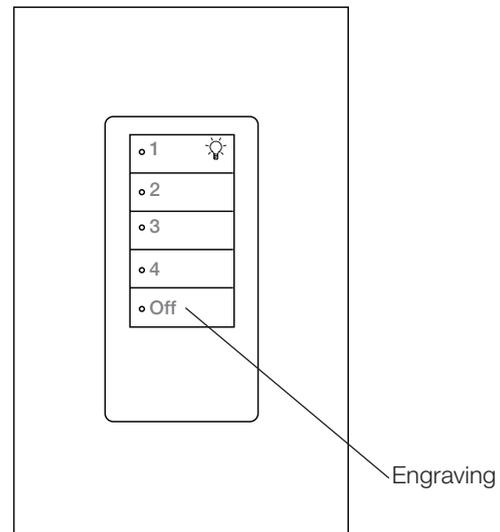
QSWS2-5BN-___-___
QSWS2-5BI-___-___
5-Button Wallstation

Description
- Often used to select between 4 scenes and Off.
- Receives up to two contact closure inputs via 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.

LEDs

QSWS2-5BN-WH
(Non-insert version)

Engraving

QSWS2-5BI-WH-EGN
(Insert version)

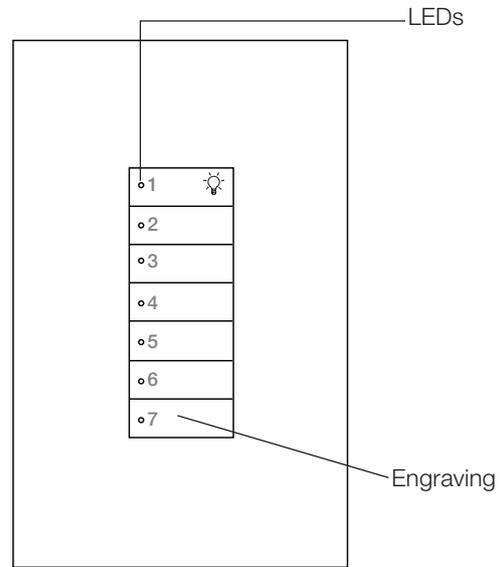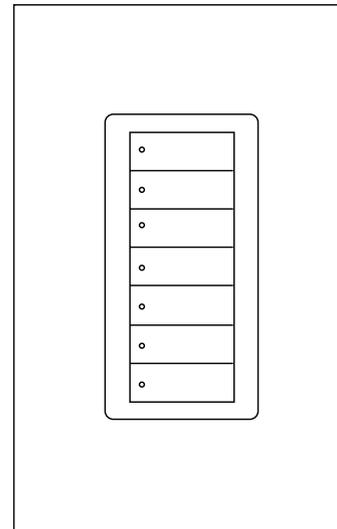| Job Name:	Model Numbers:
Job Number:	

Color and Engraving Codes

QSWS2-7BN-___-___
QSWS2-7BI-___-___
7-Button Wallstation

Description
- Often used to select scenes.
- Receives up to two contact closure inputs via 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.

LEDs

Engraving

QSWS2-7BN-WH-EGN
(Non-insert version)

QSWS2-7BI-WH
(Insert version)

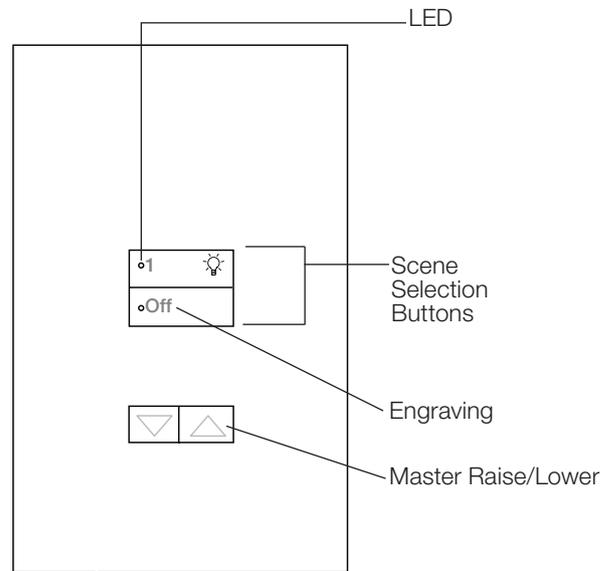| Job Name:	Model Numbers:
Job Number:	

Color and Engraving Codes

QSWS2-2BRLN-___-___
QSWS2-2BRLI-___-___
2-Button Wallstation with Raise/Lower

Description
- Often used to select and adjust scenes.
- Receives up to two contact closure inputs via 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.

QSWS2-2BRLN-WH-EGN
(Non-insert version)

QSWS2-2BRLI-WH-E01
(Insert version)

Job Name:	Model Numbers:
Job Number:	

Color and Engraving Codes
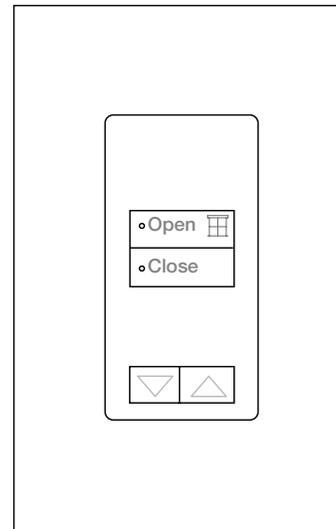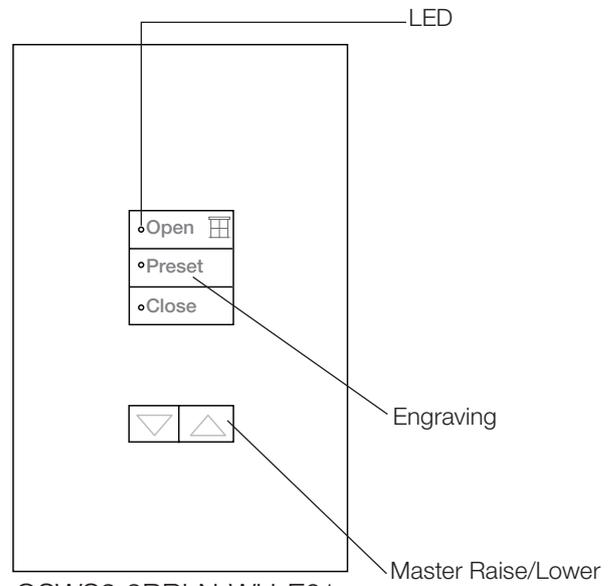
QSWS2-3BRLN-___-___
QSWS2-3BRLI-___-___
3-Button Wallstation with Raise/Lower

Description
- Often used to select and adjust scenes.
- Receives up to two contact closure inputs via 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.

QSWS2-3BRLN-WH-E01
(Non-insert version)

QSWS2-3BRLI-WH-EGN
(Insert version)

Job Name:	Model Numbers:
Job Number:	

Color and Engraving Codes

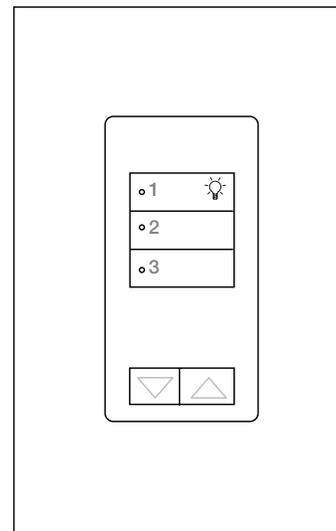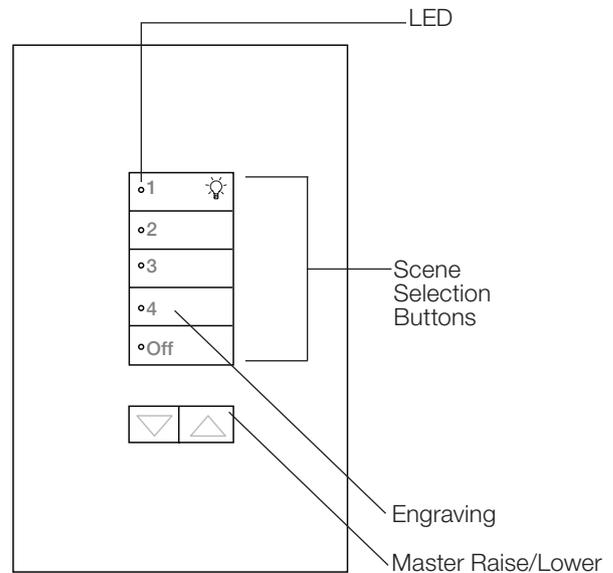## QSWS2-5BRLN-___-___
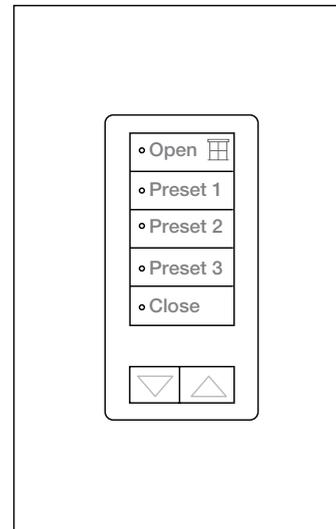## QSWS2-5BRLI-___-___
5-Button Wallstation with Raise/Lower

Description

- Often used to select and adjust scenes.
- Receives up to two contact closure inputs via 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.

QSWS2-5BRLN-WH-EGN
(Non-insert version)

QSWS2-5BRLI-WH-E01
(Insert version)

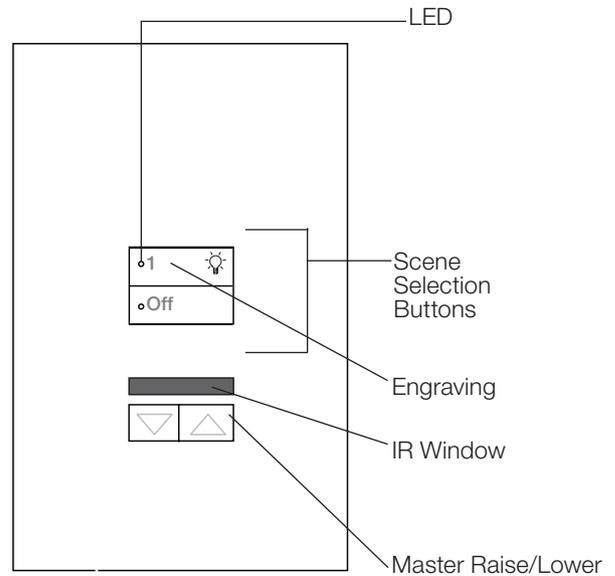| Job Name:	Model Numbers:
Job Number:	

Color and Engraving Codes

QSWS2-2BRLIRN-___-___
QSWS2-2BRLIRI-___-___
2-Button Wallstation with
Infrared Receiver and Raise/Lower

Description
- Often used to select and adjust scenes.
- Receives up to two contact closure inputs via 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.
  - 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.

LED

Scene Selection Buttons

Engraving

IR Window

Master Raise/Lower

QSWS2-2BRLIRN-WH-EGN
(Non-insert version)

QSWS2-2BRLIRI-WH
(Insert version)

Job Name:	Model Numbers:
Job Number:	

Color and Engraving Codes

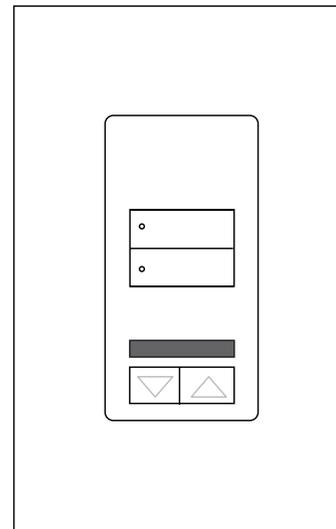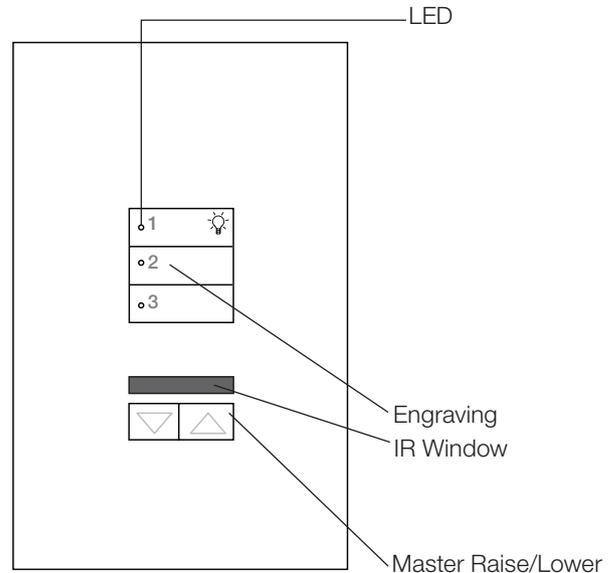## QSWS2-3BRLIRN-___-___
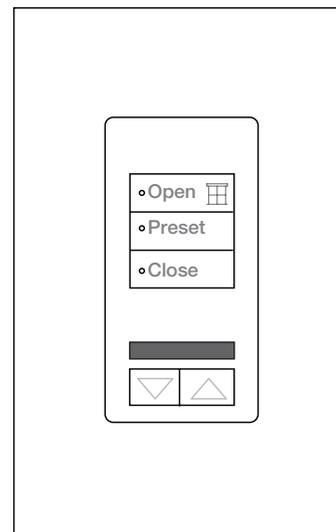## QSWS2-3BRLIRI-___-___
3-Button Wallstation with
Infrared Receiver and Raise/Lower

Description
- Often used to select and adjust scenes.
- Receives up to two contact closure inputs via 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.
  - 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.
  - One (1) programmable preset button.

LED

Engraving
IR Window

Master Raise/Lower

QSWS2-3BRLIRN-WH-EGN
(Non-insert version)

QSWS2-3BRLIRI-WH-E01
(Insert version)

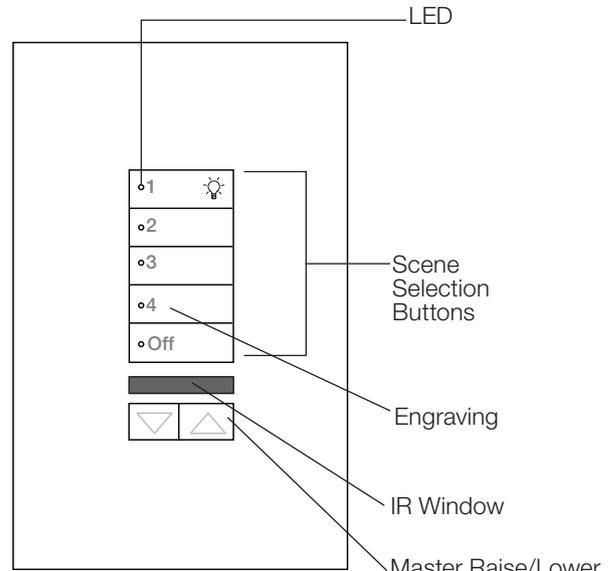| Job Name:	Model Numbers:
Job Number:	

Color and Engraving Codes

QSWS2-5BRLIRN-___-___
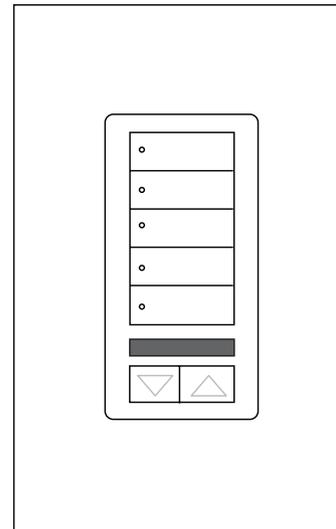## QSWS2-5BRLIRI-___-___
5-Button Wallstation with
Infrared Receiver and Raise/Lower

Description

- Often used to select and adjust scenes.
- Receives up to two contact closure inputs via 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.
  - 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.

QSWS2-5BRLIRN-WH-EGN
(Non-insert version)

QSWS2-5BRLIRI-WH
(Insert version)

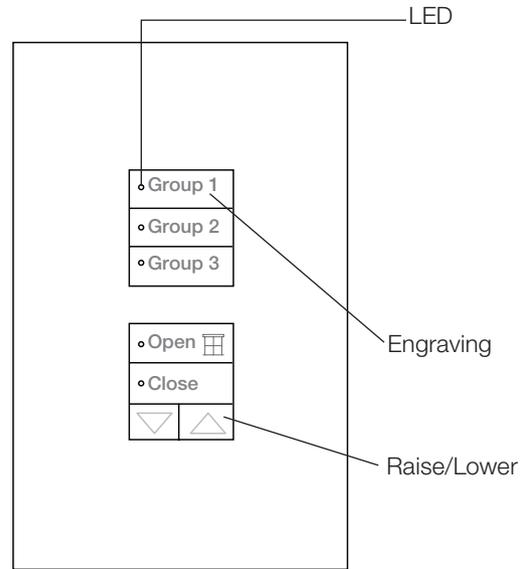| Job Name:	Model Numbers:
Job Number:	

Color and Engraving Codes
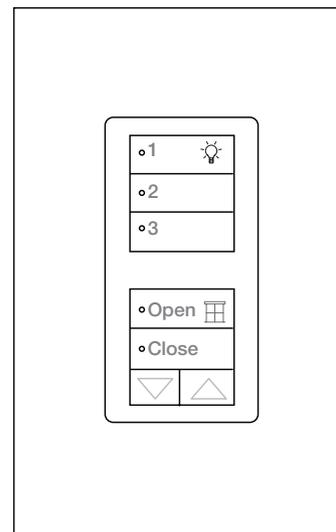
QSWS2-1RLDN-___-___
QSWS2-1RLDI-___-___
Dual Wallstation with 3-Button and 2-Button with Raise/Lower

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 via 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.

QSWS2-1RLDN-WH-E01
(Non-insert version)

QSWS2-1RLDI-WH-EGN
(Insert version)

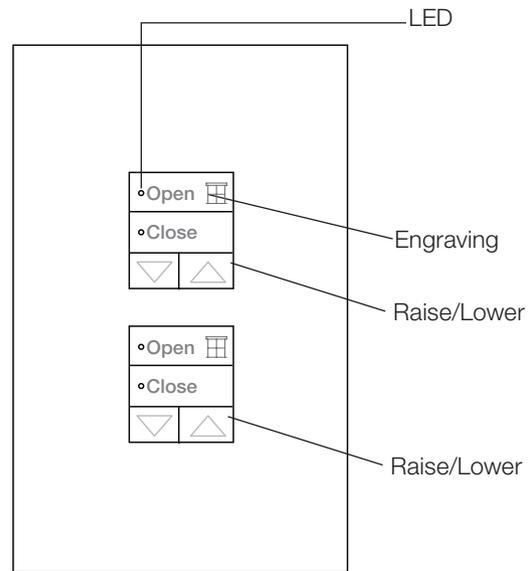| Job Name:	Model Numbers:
Job Number:	

Color and Engraving Codes

QSWS2-2RLDN-___-___
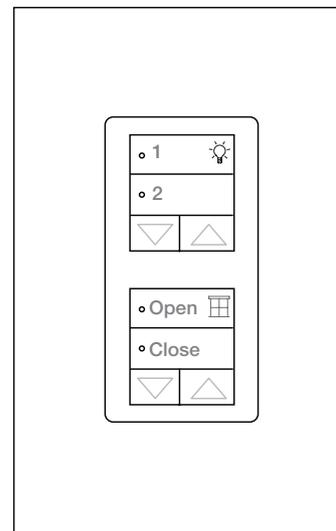## QSWS2-2RLDI-___-___
Dual 2-Button Wallstation
with Raise/Lower

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 via 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.

QSWS2-2RLDN-WH-E01
(Non-insert version)

QSWS2-2RLDI-WH-EGN
(Insert version)

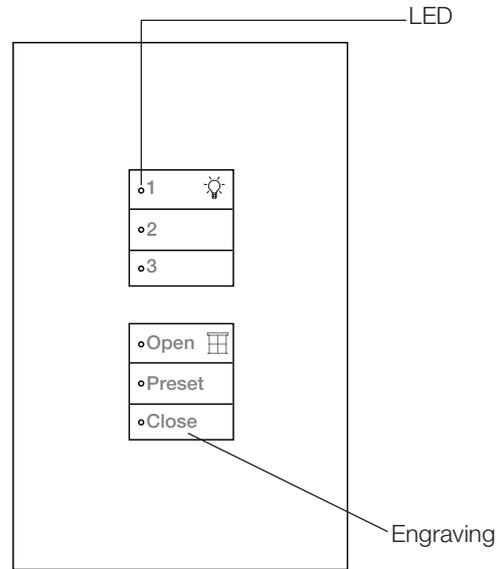| Job Name:	Model Numbers:
Job Number:	

Color and Engraving Codes

QSWS2-3BDI-___-___
QSWS2-3BDN-___-___
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 via 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.

QSWS2-1BN-WH
(Non-insert version)
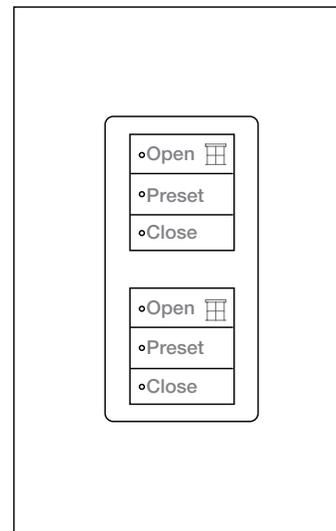
QSWS2-1BI-WH
(Insert version)

Job Name:	Model Numbers:
Job Number:	

Specifications

Dimensions
Front View

Power Input (Control Link Terminal 2)
SELV / PELV / NEC® Class 2. Operating voltage: 24–36 V⎓ 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 NovaT☆® and Vareo® Dimmers. To order new Wallplates for multi-ganging, specify "R3" openings in a NovaT☆® 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.

2¾ in
(70 mm)

Side View

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 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.

1¹⁄₁₆ in
(27 mm)

4⁹⁄₁₆ in
(116 mm)

Terminals
Accept up to two 18 AWG (1.0 mm²).

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

9 in
(8 mm)

2 in
(19 mm)

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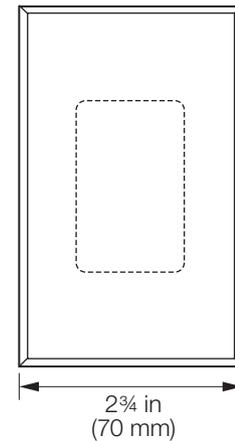seeTouch® QS keypads are compatible with GRAFIK Eye® QS, Sivoia® QS, Energi Savr Node™, and Quantum®.

Back View

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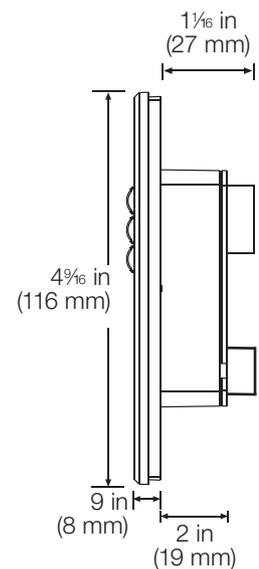3.75 in (95 mm) high,
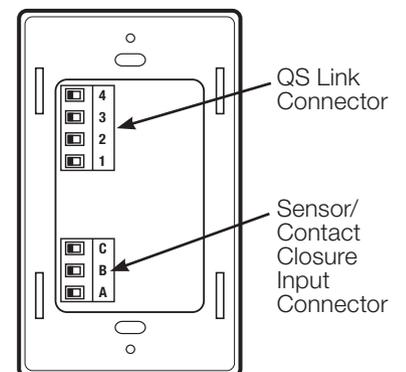2.1875 in (55 mm) wide,
2.75 in (70 mm) deep.

QS Link Connector

Sensor/ Contact Closure Input Connector

LUTRON® SPECIFICATION SUBMITTAL   Page
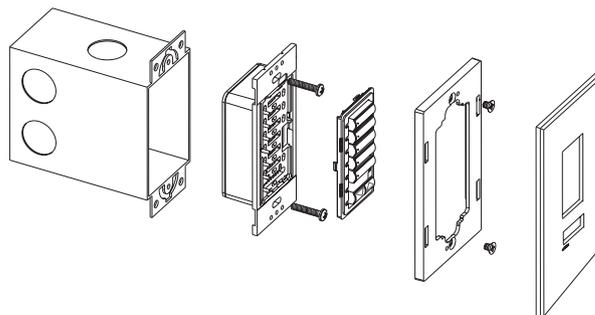
Job Name:	Model Numbers:
Job Number:	

Available Control Types

seeTouch® wallstations are available in three types:

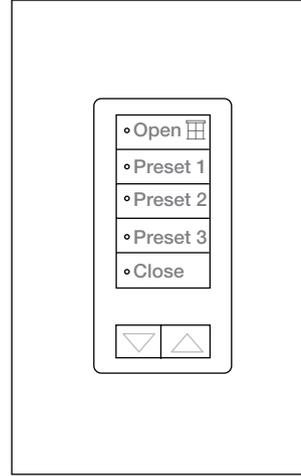| Lights Only	Lights and Shades	Shades Only
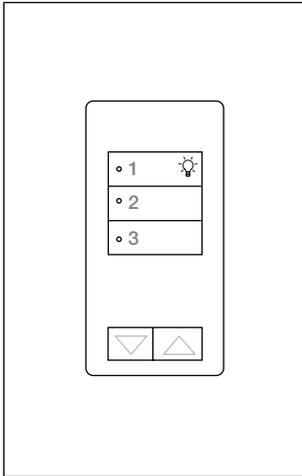
QSWS2-3BRLI-WH-EGN
(Insert version)
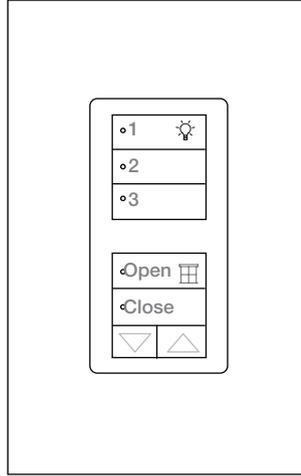
QSWS2-1RLDI-WH-EGN
(Insert version)

QSWS2-5BRLI-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).

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 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.
- 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 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.
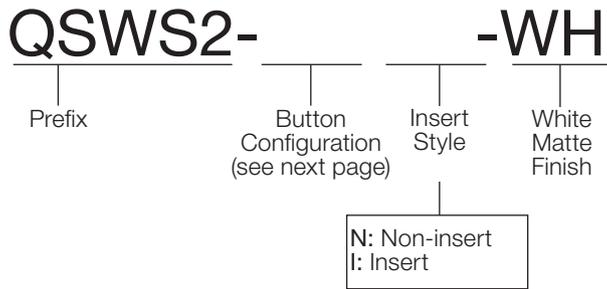
Shade Group
- Available only on a multi-column keypad where another column is a shade column.
- Allows the shade column to operate as multiple independent keypads (one per group).
- The shade group column selects which independent keypad is currently active (indicated by the group button whose LED is lit).
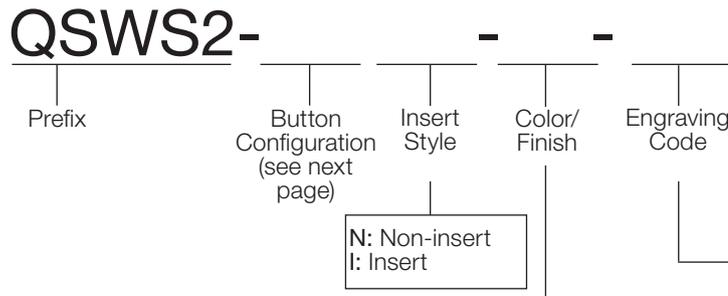
Note: Column types can be changed using the GRAFIK Eye® QS programming menu (e.g., control programmed as lights only can be changed to shades only).

Job Name:	Model Numbers:
Job Number:	

How to Build a Standard seeTouch® QS Model Number

QSWS2- ___ ___ -WH

- Prefix
- Button Configuration (see next page)
- Insert Style
- White Matte Finish

| N: Non-insert |
| I: Insert |

How to Build a Custom seeTouch® QS Model Number

QSWS2- ___ ___ - ___ - ___

- Prefix
- Button Configuration (see next page)
- Insert Style
- Color/ Finish
- Engraving Code

| N: Non-insert |
| I: Insert |

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 for custom engraving forms

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.

Hot	HT*
Merlot	MR*
Plum	PL*
Turquoise	TQ*
Sea glass	SG*
Biscuit	BI
Eggshell	ES
Taupe	TP
Snow	SW
Palladium	PD*
Midnight	MN
Sienna	SI*
Terracotta	TC*
Greenbriar	GB*
Bluestone	BG*
Mocha stone	MS*
Goldstone	QS*
Desert Stone	DS*
Stone	ST*
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**.

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:
  1. EGN: General engraving for 'Lights Only' and 'Lights and Shades' controls
  2. E01: Standard engraving for 'Shades Only' controls and 'Lights and Shades' for model QSWE-10BRLI-WH-E01 only
  3. E02: Secondary engraving for 'Shades Only' controls
  4. 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:	

How to Build a seeTouch® QS Model Number (continued)

Button Configurations

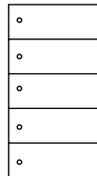|				
1B 1-button	2B 2-button	3B 3-button	5B 5-button	7B 7-button
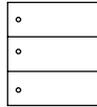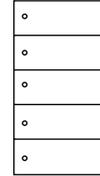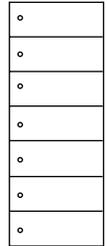
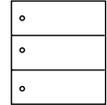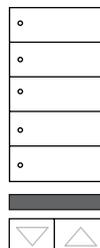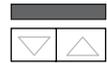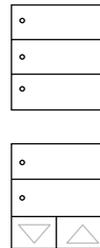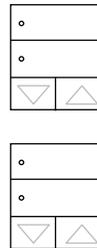|				
2BRL 2-button with raise/ lower	3BRL 3-button with raise/ lower	5BRL 5-button with raise/ lower	2BRLIR 2-button with IR receiver and raise/ lower	3BRLIR 3-button with IR receiver and raise/ lower
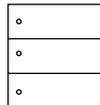
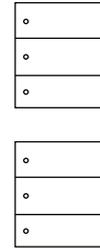|			
5BRLIR 5-button with IR receiver and raise/ lower	1RLD Dual with 3-button and 2-button with raise/lower	2RLD Dual 2-button with raise/lower	3BD Dual 3-button

Job Name:	Model Numbers:
Job Number:	

Faceplate Information
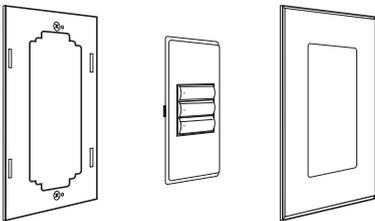
Faceplate Replacement Kits

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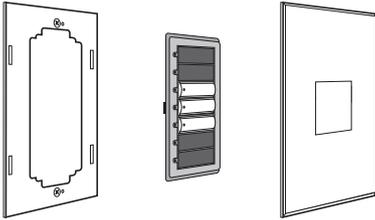
Non-insert style controls: Faceplate complements a specified button kit. When the faceplate is removed or replaced, the buttons are removed and replaced along with it.

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.

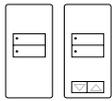## Model Numbers for Kits

Non-Insert	Insert
QSWS2R-1BN	QSWS2R-1BI
QSWS2R-2BN	QSWS2R-2BI
QSWS2R-3BN	QSWS2R-3BI
QSWS2R-5BN	QSWS2R-5BI
QSWS2R-7BN	QSWS2R-7BI
QSWS2R-2BRLN	QSWS2R-2BRLI
QSWS2R-3BRLN	QSWS2R-3BRLI
QSWS2R-5BRLN	QSWS2R-5BRLI
QSWS2R-1RLDN	QSWS2R-1RLDI
QSWS2R-2RLDN	QSWS2R-2RLDI
QSWS2R-3BDN	QSWS2R-3BDI
QSWS2R-2BRLIRN	QSWS2R-2BRLIRI
QSWS2R-3BRLIRN	QSWS2R-3BRLIRI
QSWS2R-5BRLIRN	QSWS2R-5BRLIRI

seeTouch® QS Wallstation Button Functions Summary

Button Configuration							
1B	2B	3B	5B	7B	1RLD	2RLD	3BD
EGN (General Engraving) Functionality							
Scene 1, Off ☼	Scene 1, Off ☼	Scenes 1-3 ☼	Scenes 1-4, Off ☼	Scenes 1-7 ☼	Top: Scenes 1-3 ☼ Bottom: Open/Close ⊞	Top: Scene 1, Off ☼ Bottom: Open/Close ⊞	Top: Scenes 1-3 ☼ Bottom: Open, Preset, Close ⊞
E01 (Standard Engraving) Functionality							
NA	Open/Close ⊞	Open, Preset, Close ⊞	Open, Presets 1-3, Close ⊞	NA	Top: Groups 1-3 Bottom: Open/Close ⊞	Top: Open/Close ⊞ Bottom: Open, Close ⊞	Top: Open, Preset, Close ⊞ Bottom: Open, Preset, Close ⊞
E02 (Secondary/Shades Only Engraving) Functionality							
					Top: Blackout, Sheer, Both ⊞ Bottom: Open/Close ⊞		

Legend:
☼ Light Control
⊞ Shade Control

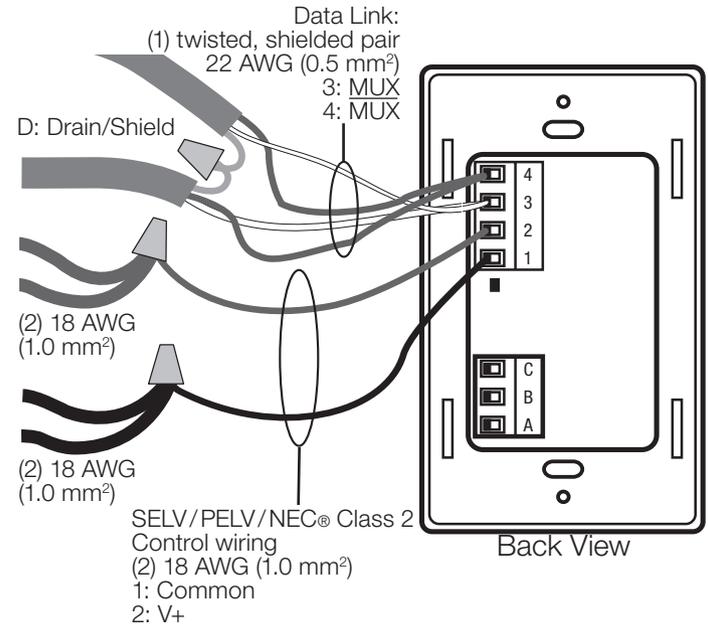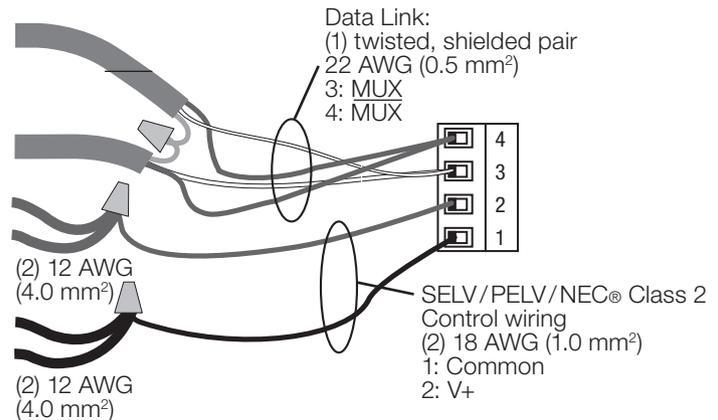| Job Name:	Model Numbers:
Job Number:	

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^2) 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)

Data Link:
(1) twisted, shielded pair
22 AWG (0.5 mm^2)
3: MUX
4: MUX

D: Drain/Shield

(2) 18 AWG
(1.0 mm^2)

(2) 18 AWG
(1.0 mm^2)

SELV / PELV / NEC® Class 2
Control wiring
(2) 18 AWG (1.0 mm^2)
1: Common
2: V+

Back View

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

Data Link:
(1) twisted, shielded pair
22 AWG (0.5 mm^2)
3: MUX
4: MUX

(2) 12 AWG
(4.0 mm^2)

(2) 12 AWG
(4.0 mm^2)

SELV / PELV / NEC® Class 2
Control wiring
(2) 18 AWG (1.0 mm^2)
1: Common
2: V+

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^2)	GRX-CBL-346S (non-plenum) GRX-PCBL-346S (plenum)
	Data (terminals 3 and 4) 1 twisted, shielded pair 22 AWG (0.5 mm^2)	
500 to 2000 ft (153 to 610 m)	Power (terminals 1 and 2) 1 pair 12 AWG (4.0 mm^2)	GRX-CBL-46L (non-plenum) GRX-PCBL-46L (plenum)
	Data (terminals 3 and 4) 1 twisted, shielded pair 22 AWG (0.5 mm^2)	

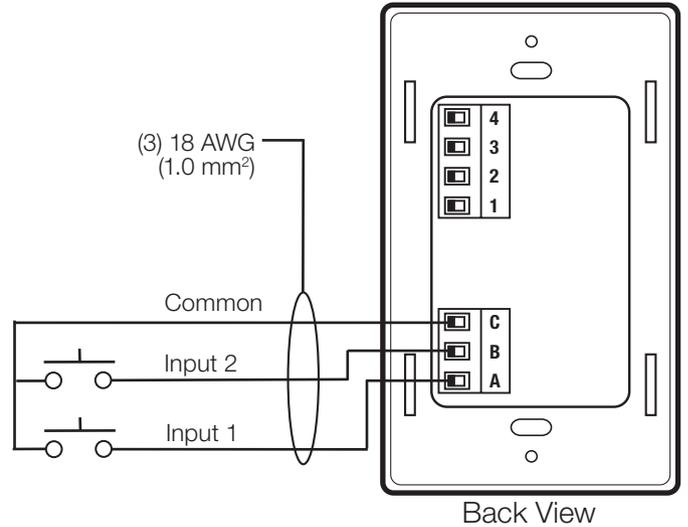| Job Name:	Model Numbers:
Job Number:	

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$\overline{}$ and sink 3.0 mA
  - Open collector PNP or active-high on-state voltage must be greater than 12 V$\overline{}$ and source 3.0 mA
- Wallstation is miswire protected up to 36 V$\overline{}$.
- 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.

(3) 18 AWG (1.0 mm²)

Common

Input 2

Input 1

Back View

Job Name:	Model Numbers:
Job Number:	