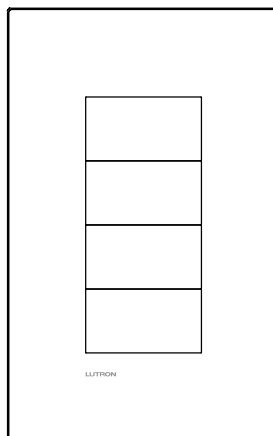


HomeWorks® QS Wired Palladiom™ Keypad

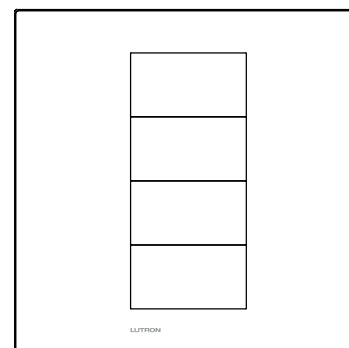
The HomeWorks® QS wired Palladiom™ keypad allows the user to control lights, shades/draperies, temperature, and equipment by others. The keypad is wired to a HomeWorks® QS processor on the QS link.

Large buttons are easy to use and button engraving is easy to read. Buttons with white, backlit engraving make it easy to find and operate the keypad in low light conditions. Keypads are available in a variety of colors, finishes, and button marking options.

Status of active button press or scene is indicated through intensity of backlighting which is configurable through the HomeWorks® QS software. Dynamic Backlighting Management (DBM) automatically adjusts backlight intensity based on ambient lighting conditions. It can also be programmed in the HomeWorks® QS software to adjust intensity by time of day or button presses.



1-Gang U.S. Style



1-Column Square Style

Model Numbers

See [How to Build a Model Number \(Keypads\)](#).

HomeWorks® QS Wired Palladiom™ Keypad

Specifications

Model Numbers	See <i>How to Build a Model Number</i> (Keypads).
Power	24–36 V $\overline{=}$ 30 mA
Typical Power Consumption	0.7 W <i>Test conditions:</i> all backlights on medium intensity, two LEDs on (two presets active), keypad powered at 24 V $\overline{=}$
Regulatory Approvals	Lutron® Quality Systems registered to ISO 9001:2008. Complies with UL 508; IEC 60669-2-1; and CSA C22.22 No. 14-13
Environment	<i>Ambient operating temperature:</i> 32 °F to 104 °F (0 °C to 40 °C), 0% to 90% non-condensing relative humidity. Indoor use only.
Communications	IEC PELV/NEC® Class 2 wiring connects keypads to other devices on the QS link. Each keypad counts as 1 device on the QS link. Each keypad column consumes 1 Power Draw Unit (PDU) on the QS link. For complete information, see “Power Draw Units on the QS link” (Lutron® P/N 369405).
ADA Standard	Control operation complies with ADA standards for an accessible design.
ESD Protection	Meets IEC 801-2. Tested to withstand 15 kV electrostatic discharge without damage or memory loss.
Power Failure	<i>Power failure memory:</i> should power be interrupted, the keypad will return to its previous state when power is restored.
Mounting	<i>Typical U.S. style wallbox dimensions:</i> 3.7 in (95 mm) H × 1.8 in (46 mm) W × 2.8 in (70 mm) D. <i>Typical square style wallbox dimensions:</i> 75 mm H × 75 mm W × ≥25 mm D. <i>Typical round style wallbox dimensions:</i> ϕ 68 mm × ≥25 mm D. See Mounting on page 11 for more details.
Wiring	IEC PELV/NEC® Class 2
Terminals	Each terminal accepts up to two 18 AWG (1.0 mm ²) wires.
Warranty	www.lutron.com/TechnicalDocumentLibrary/warranty.pdf www.lutron.com/TechnicalDocumentLibrary/Intl_warranty.pdf

Design Features

- Adjustable back-light intensity.
- Faceplate snaps on with no visible means of attachment.
- Use Faceplate or Button Kits to change color or engraving.
- Field-changeable button and faceplate assemblies allow for customization. See **How to Build a Model Number** (Button Kits) as some restrictions apply.
- IP20 Rating.

HomeWorks[®] QS Wired Palladiom[™] Keypad

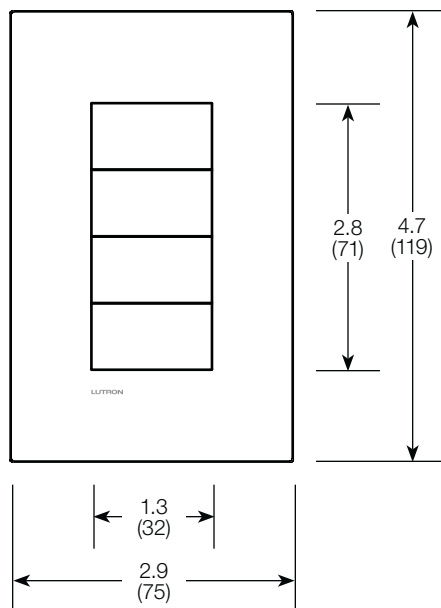
Dimensions

U.S. Style

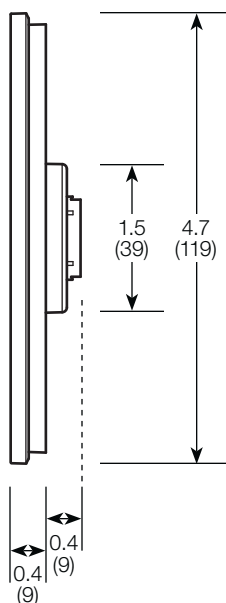
Measurements shown as: in (mm)

1-Gang

Front View

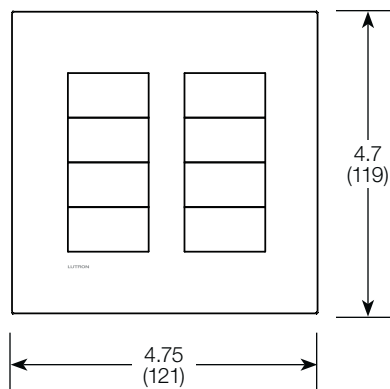


Side View



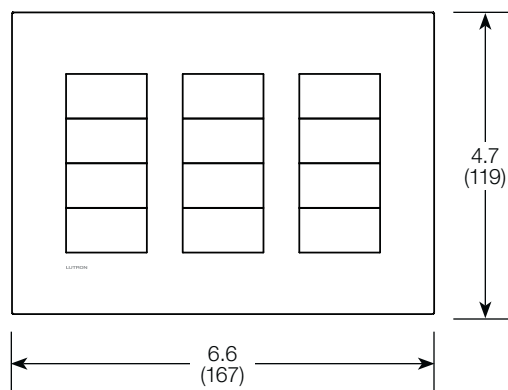
2-Gang

Front View



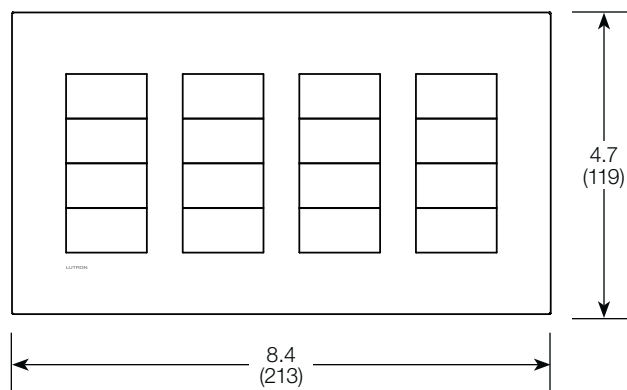
3-Gang

Front View



4-Gang

Front View



(continued on next page...)

HomeWorks® QS Wired Palladiom™ Keypad

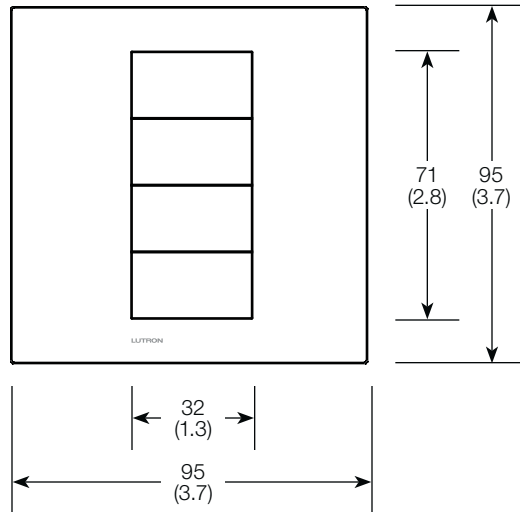
Dimensions (continued)

Square Style

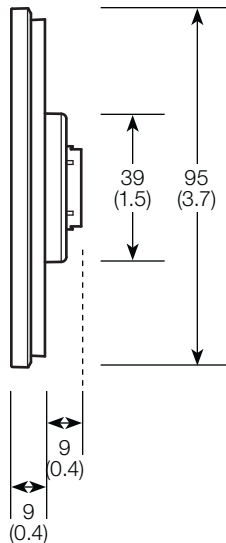
Measurements shown as: mm (in)

1-Column

Front View

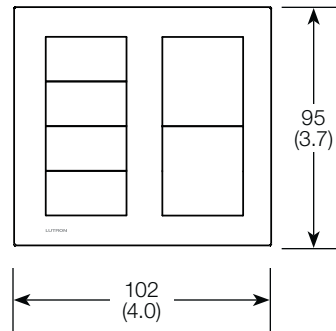


Side View



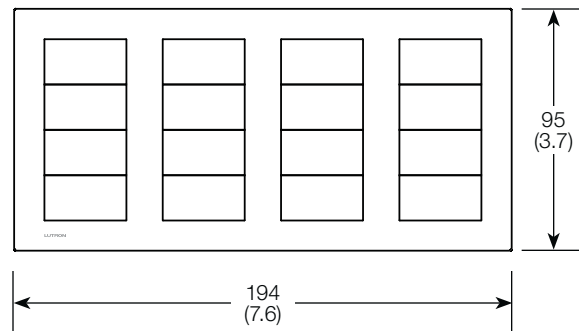
2-Column

Front View



4-Column

Front View



HomeWorks® QS Wired Palladiom™ Keypad

How to Build a Model Number

Keypads

HQWT – U – P2		W – WH – E																
<div>System Type</div> <div>HQWT: HomeWorks® QS</div>		<div>Backlighting</div> <div>W: White</div>																
<div>Faceplate Options</div> <div>B: Base Unit without Faceplate</div> <div>U: U.S. Style</div> <div>S: Square Style</div>		<div>Colors and Finishes</div> <div>Architectural Matte Finishes</div> <div>AL: Almond</div> <div>BE: Beige</div> <div>BL: Black</div> <div>BR: Brown</div> <div>GR: Gray</div> <div>IV: Ivory</div> <div>LA: Light Almond</div> <div>SI: Sienna</div> <div>TP: Taupe</div> <div>WH: White</div>																
<div>Button Configurations</div> <div>1-Gang/Column, U.S. or Square Style</div> <div>P2: 2-Button</div> <div>P3: 3-Button</div> <div>P4: 4-Button</div> <div>PR: 3-Button with Raise/Lower</div>		<div>Engraving</div> <div>See Engraving Options for more details</div> <div>Omit: Generic engraving and custom buttons*</div> <div>E: Predefined custom engraving**</div>																
<div>2-Column Square Style</div> <table><tr><th>Left Column</th><th>Right Column</th></tr><tr><td>P22: 2-Button</td><td>2-Button</td></tr><tr><td>P24: 2-Button</td><td>4-Button</td></tr><tr><td>P2R: 2-Button</td><td>3-Button with Raise/Lower</td></tr><tr><td>PRR: 3-Button with Raise/Lower</td><td>3-Button with Raise/Lower</td></tr><tr><td>P42: 4-Button</td><td>2-Button</td></tr><tr><td>P44: 4-Button</td><td>4-Button</td></tr><tr><td>P4R: 4-Button</td><td>3-Button with Raise/Lower</td></tr></table>		Left Column	Right Column	P22: 2-Button	2-Button	P24: 2-Button	4-Button	P2R: 2-Button	3-Button with Raise/Lower	PRR: 3-Button with Raise/Lower	3-Button with Raise/Lower	P42: 4-Button	2-Button	P44: 4-Button	4-Button	P4R: 4-Button	3-Button with Raise/Lower	<div>Architectural Metal Finishes</div> <div>BN: Bright Nickel</div> <div>SC: Satin Chrome</div> <div>SN: Satin Nickel</div> <div>BB: Bright Brass</div> <div>BC: Bright Chrome</div> <div>SB: Satin Brass</div> <div>Glass Finish</div> <div>CWH: Clear Glass with White Back</div>
Left Column	Right Column																	
P22: 2-Button	2-Button																	
P24: 2-Button	4-Button																	
P2R: 2-Button	3-Button with Raise/Lower																	
PRR: 3-Button with Raise/Lower	3-Button with Raise/Lower																	
P42: 4-Button	2-Button																	
P44: 4-Button	4-Button																	
P4R: 4-Button	3-Button with Raise/Lower																	

* Ships with engraving credit to allow future engraving.

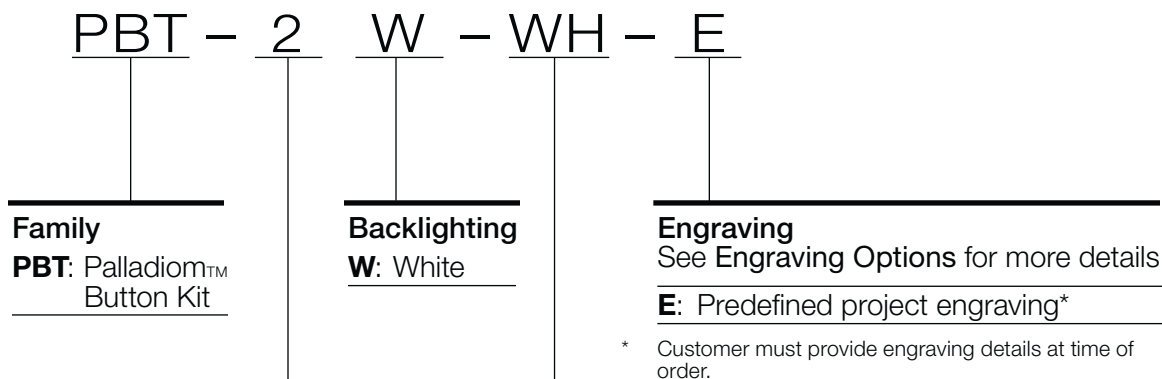
** Customer must provide engraving details at time of order.

HomeWorks® QS Wired Palladiom™ Keypad

How to Build a Model Number

Button Kits

Use Button Kits to change color, button configuration, and engraving. Each Button Kit includes a button assembly.



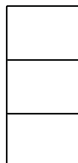
Button Configurations

1-Gang/Column,
U.S. or Square Style

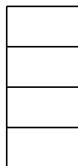
2: 2-Button



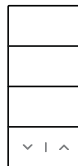
3: 3-Button



4: 4-Button



R: 3-Button with
Raise/Lower



Colors and Finishes

Finishes for buttons and faceplates must always match (e.g., matte plastic buttons with matte plastic faceplate, metal buttons with metal faceplate).

Architectural Matte Finishes

AL: Almond

BE: Beige

BL: Black

BR: Brown

GR: Gray

IV: Ivory

LA: Light Almond

SI: Sienna

TP: Taupe

WH: White

Architectural Metal Finishes

BN: Bright Nickel

SC: Satin Chrome

SN: Satin Nickel

BB: Bright Brass

BC: Bright Chrome

SB: Satin Brass

Glass Finish

CWH: Clear Glass with
White Back

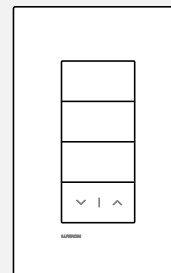
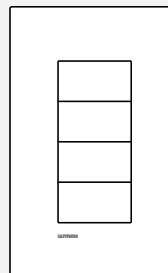
Field Changes

Button engraving changes

Any keypad can have its buttons swapped in the field to change the engraving (e.g., 2-Button swapped for engraved 2-Button).

Button configuration changes

For easy system configuration changes, a 3-Button with Raise/Lower may be swapped in the field for a 4-Button.



HomeWorks® QS Wired Palladiom™ Keypad

How to Build a Model Number

Faceplate Kits

Use Faceplate Kits to change color and ganging. Each Faceplate Kit includes a faceplate adapter and faceplate.

LWT – U – P – WH

Family

LWT: Palladiom™
Faceplate Kit

Faceplate Options

U: U.S. Style

S: Square Style

Gangs* and Openings

P:** Palladiom™ Keypad

* Palladiom™ Keypads do not gang with other devices of different sizes (e.g., Maestro® or GRAFIK T™ controls).

** Repeat the letter designation "P" (4 maximum) for each opening (e.g., 1-gang = P, 2-gang = PP). See How to Select a Palladiom™ Keypad.

Colors and Finishes

Finishes for buttons and faceplates must always match (e.g., matte plastic buttons with matte plastic faceplate, metal buttons with metal faceplate).

Architectural Matte Finishes

AL: Almond

BE: Beige

BL: Black

BR: Brown

GR: Gray

IV: Ivory

LA: Light Almond

SI: Sienna

TP: Taupe

WH: White

Architectural Metal Finishes

BN: Bright Nickel

SC: Satin Chrome

SN: Satin Nickel

BB: Bright Brass

BC: Bright Chrome

SB: Satin Brass

Glass Finish

CWH: Clear Glass with
White Back

HomeWorks® QS Wired Palladiom™ Keypad

Engraving Options

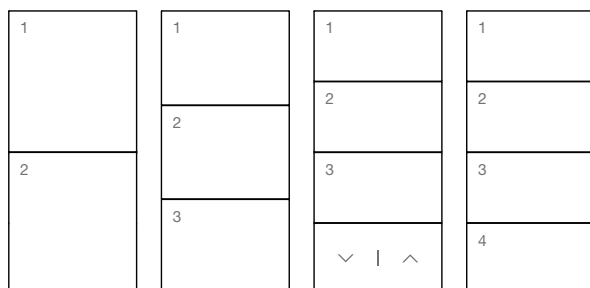
The Palladiom™ Keypad has engraving options ideal for many scenarios. The following information will help you determine which engraving option is best-suited to your needs.

Predefined Custom Engraving

Predefined project engraving is for instances when the customer knows the engraving details at the time of purchase and does not wish to order two sets of button kits. To select this option, use engraving option “E” when ordering the keypad. **Note:** Orders will not be shipped until engraving details are received.

Generic Engraving and Post-Defined Custom Engraving

When engraving details are not known or specified at the time an order is placed, the generic engraving icons shown below will be sent to provide the customer with a usable keypad until the custom engraving details are determined. This keypad will be shipped with an engraving certificate for ordering a custom-engraved button kit at a later time.



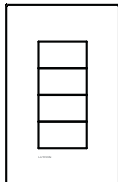
HomeWorks® QS Wired Palladiom™ Keypad

How to Select a Palladiom™ Keypad

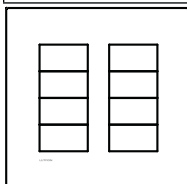
Examples of keypad and faceplate configurations are shown below.

U.S. Style

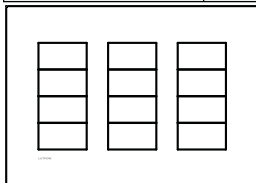
Model Number	Quantity	Assembled	Mount
1-Gang Wallbox			
HQWT-U-P4W-WH	1	Yes	U.S. Wallbox



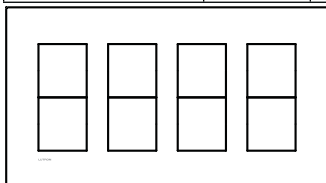
2-Gang Wallbox			
HQWT-B-P4W-WH	2	No*	U.S. Wallbox
LWT-U-PP-WH	1		



3-Gang Wallbox			
HQWT-B-P3W-WH	3	No*	U.S. Wallbox
LWT-U-PPP-WH	1		

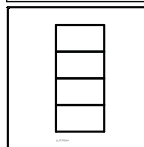


4-Gang Wallbox			
HQWT-B-P2W-WH	4	No*	U.S. Wallbox
LWT-U-PPPP-WH	1		

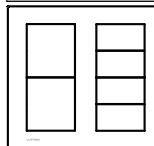


Square Style

Model Number	Quantity	Assembled	Mount
1-Column Wallbox			
HQWT-S-P4W-WH	1	Yes	Square or Round Wallbox

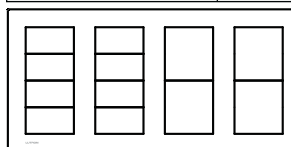


2-Column Wallbox			
HQWT-S-P24W-WH	1	Yes	Square or Round Wallbox



3-button configuration not available.

4-Column Wallbox			
HQWT-B-P44W-WH	1	No*	2 Square or Round Wallboxes
HQWT-B-P22W-WH	1		
LWT-S-PPPP-WH	1		



3-button configuration not available.

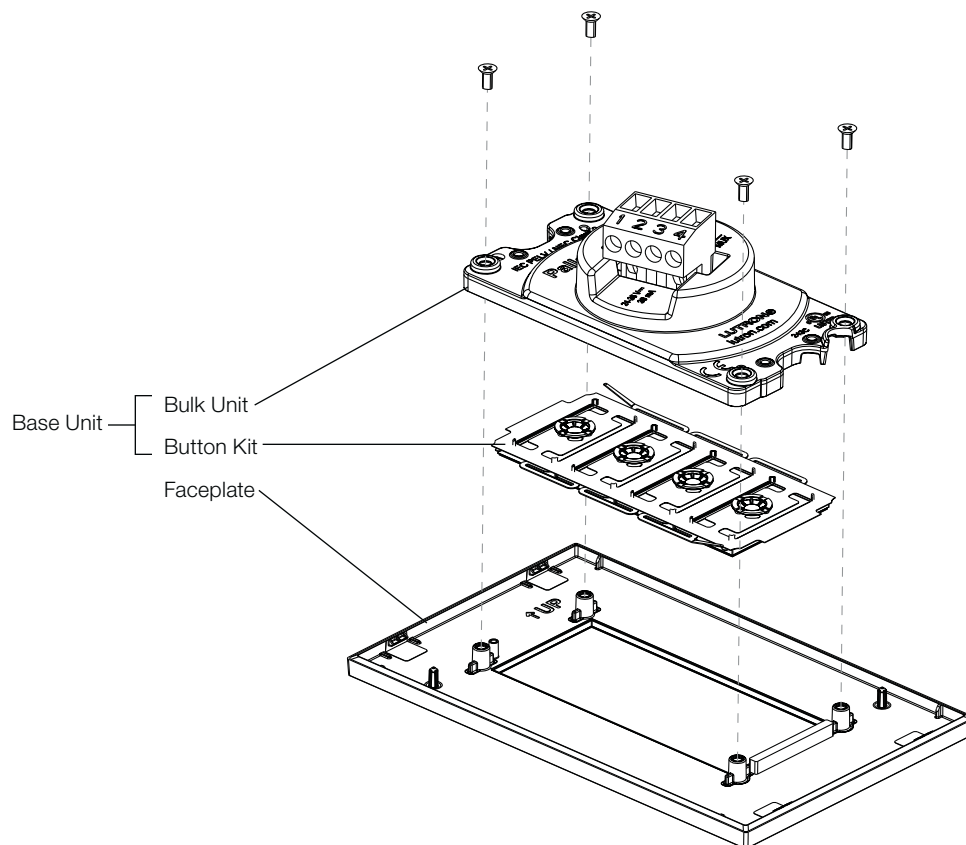
* Model numbers must be ordered as separate pieces and assembled. See Keypad Assembly.

HomeWorks® QS Wired Palladiom™ Keypad

Keypad Assembly

Tools Required: Phillips head screwdriver (not included)

1. Place button kit on back of faceplate.
2. Align bulk unit over button kit and faceplate.
3. Assemble using 4 screws (provided).
4. Repeat steps 1–3 for each base unit.

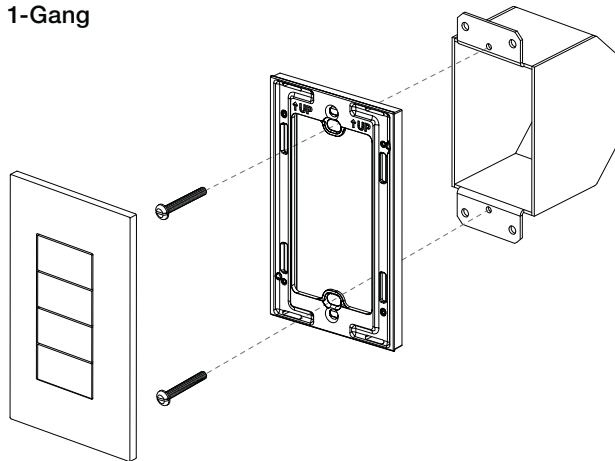


HomeWorks® QS Wired Palladiom™ Keypad

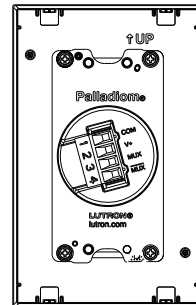
Mounting

U.S. Style

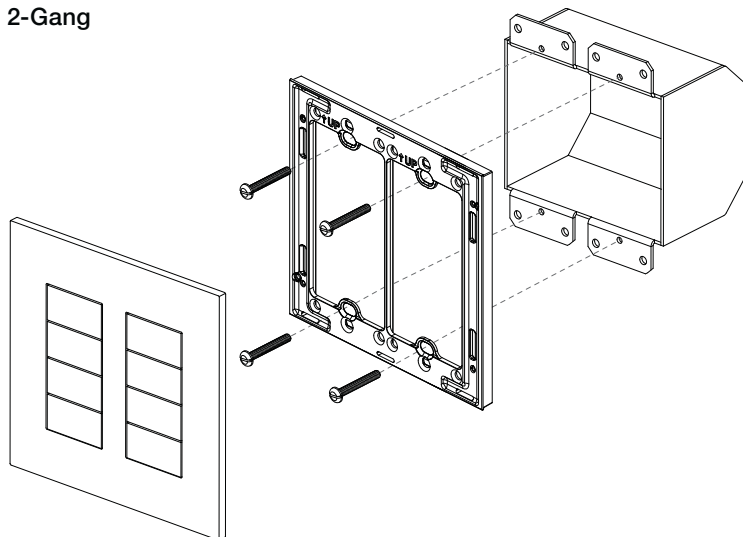
1-Gang



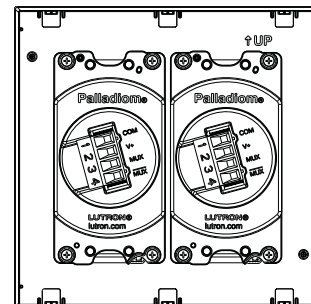
Back View



2-Gang



Back View



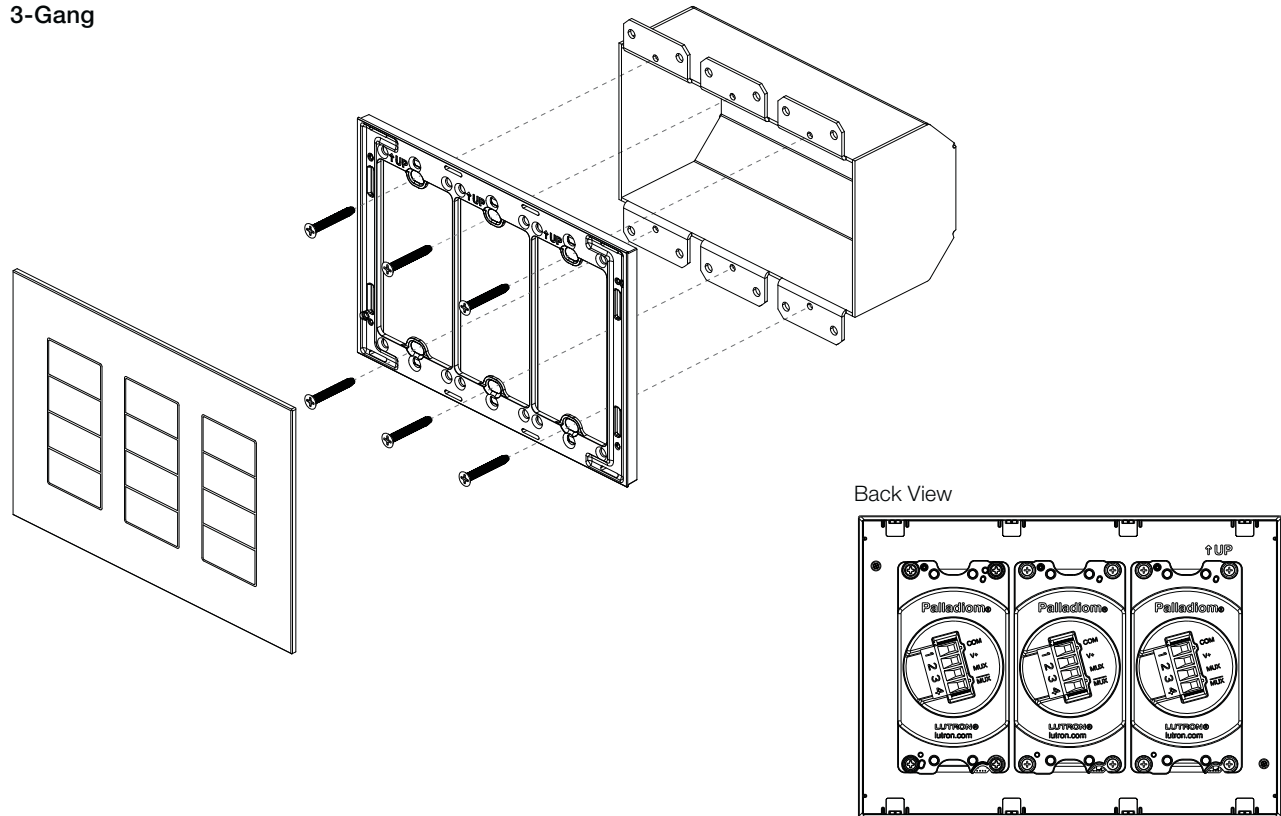
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HomeWorks® QS Wired Palladiom™ Keypad

Mounting (continued)

U.S. Style (continued)

3-Gang



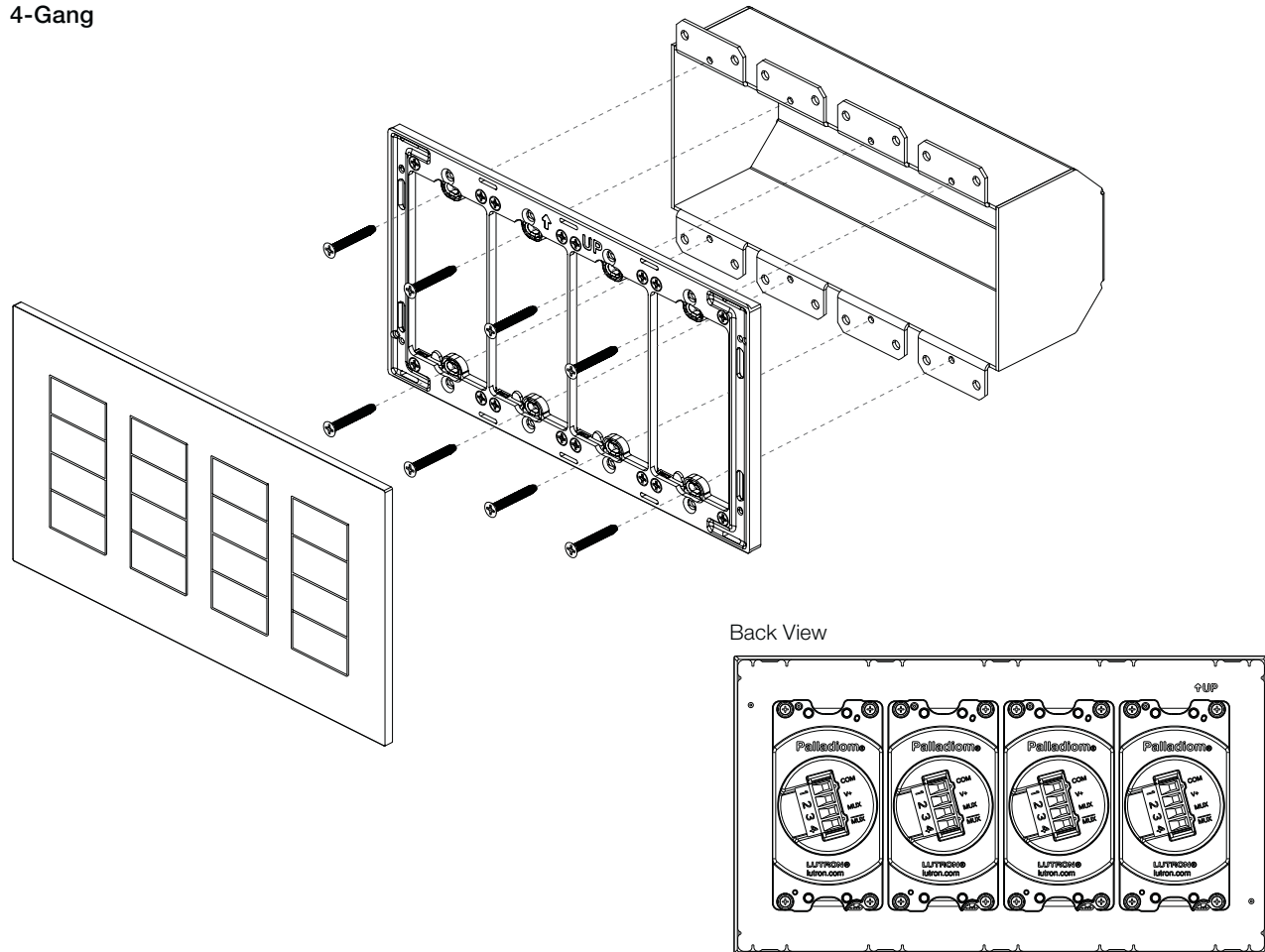
(continued on next page...)

HomeWorks® QS Wired Palladiom™ Keypad

Mounting (continued)

U.S. Style (continued)

4-Gang



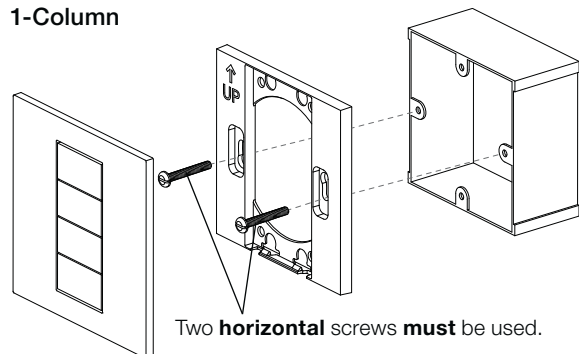
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HomeWorks[®] QS Wired Palladiom[™] Keypad

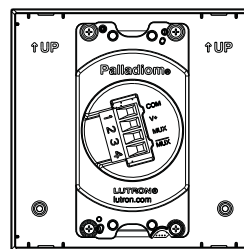
Mounting (continued)

Square Style (Square or Round Wallbox*)

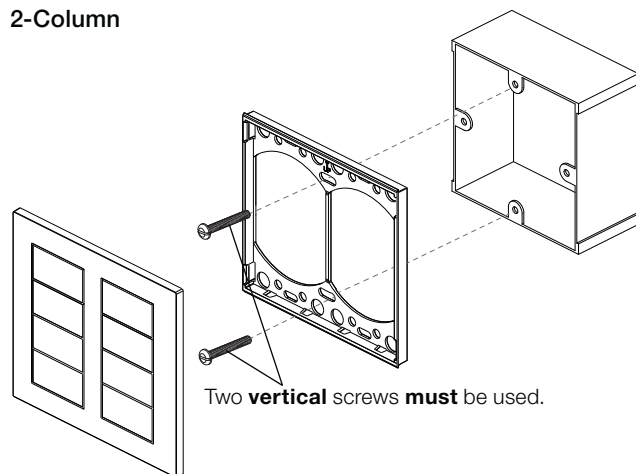
1-Column



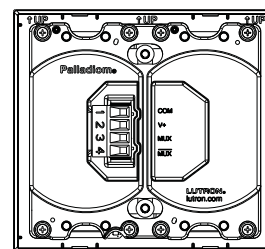
Back View



2-Column



Back View



* Use wallbox with 4 available mounting screw holes for maximum flexibility.

(continued on next page...)

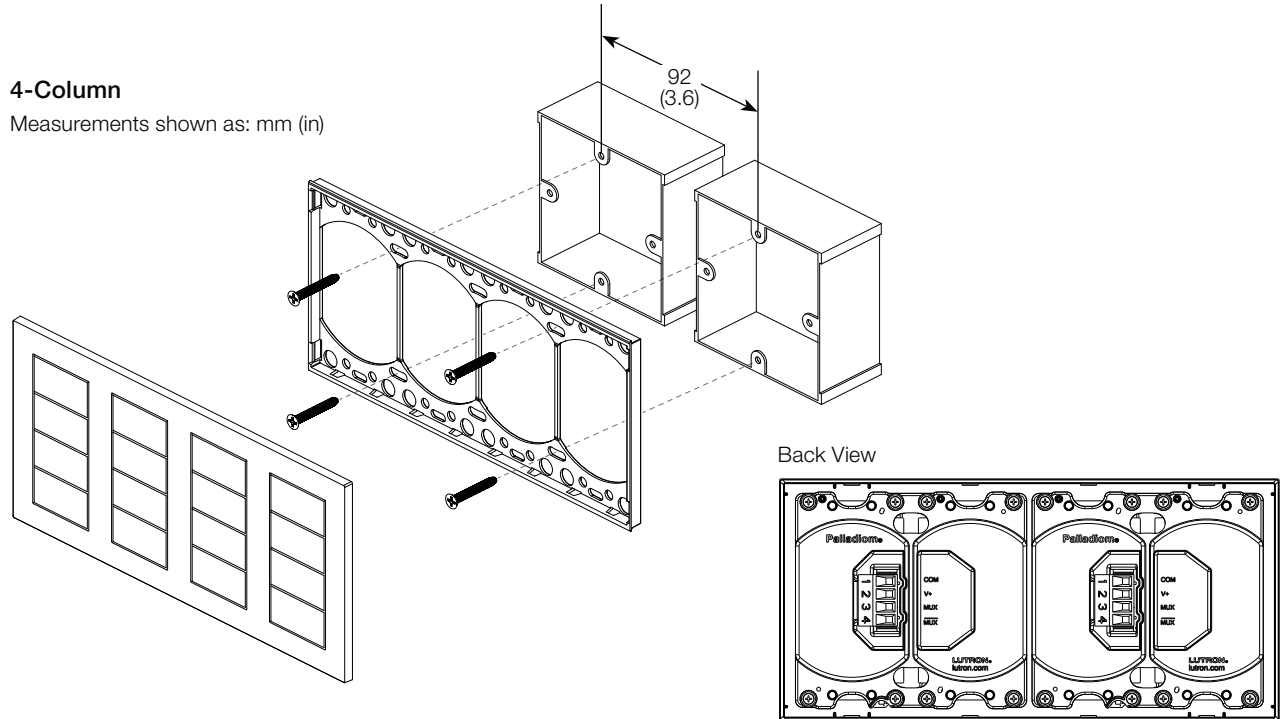
HomeWorks® QS Wired Palladiom™ Keypad

Mounting (continued)

Square Style (Square or Round Wallbox*) (continued)

4-Column

Measurements shown as: mm (in)



* Use wallbox with 4 available mounting screw holes for maximum flexibility.

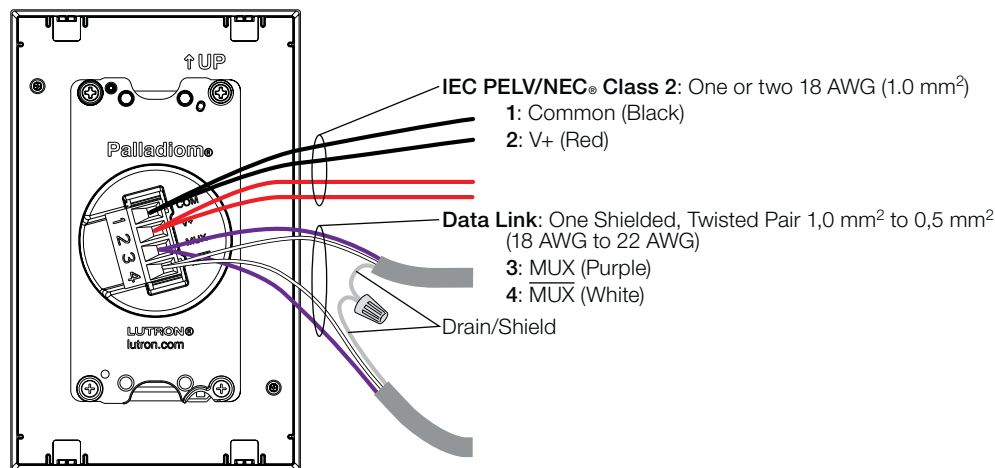
HomeWorks® QS Wired Palladiom™ Keypad

QS Link Wiring

- Use IEC PELV/NEC® Class 2 wiring to connect keypads to the QS link.
- Connect two 22 AWG (0.5 mm²) shielded, twisted pairs of wires to terminals 3 and 4 of the keypad 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 to the keypad and do not allow the shielding to contact the grounded wallbox.
- The total length of wire on a QS wired link is not to exceed 2000 ft (610 m).

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

- Each base unit model number counts as 1 device on the QS link.
- Each button column of a QS wired Palladiom™ Keypad consumes 1 power draw unit (PDU) on the QS link. For complete information, see “Power Draw Units on the QS Link” (Lutron® P/N 369405).



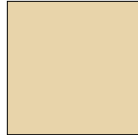
HomeWorks® QS Wired Palladiom™ Keypad

Colors and Finishes

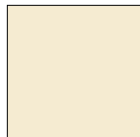
Architectural Matte Finishes



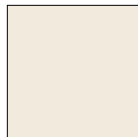
White
WH



Ivory
IV



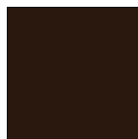
Almond
AL



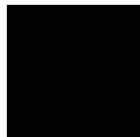
Light Almond
LA



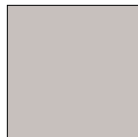
Gray
GR



Brown
BR



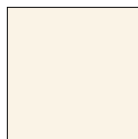
Black
BL



Taupe
TP



Sienna
SI

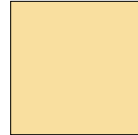


Beige
BE

Architectural Metal Finishes



Satin Brass
SB



Bright Brass
BB



Satin Nickel
SN



Bright Nickel
BN



Bright Chrome
BC



Satin Chrome
SC

Glass Finish



Clear Glass (white back)
CWH

- Due to printing limitations, colors and finishes shown cannot be guaranteed to perfectly match actual product colors.
- Color chip keychains are available for more precise color matching:
 - Architectural Matte Finishes: AM-CK-1
 - Architectural Metal Finishes: AMTL-CK-1