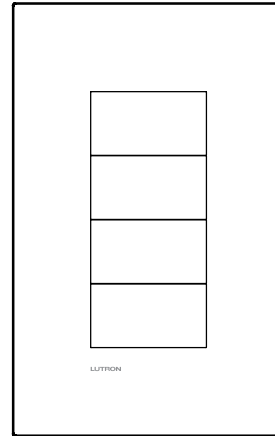


QS Wired Palladiom Keypad

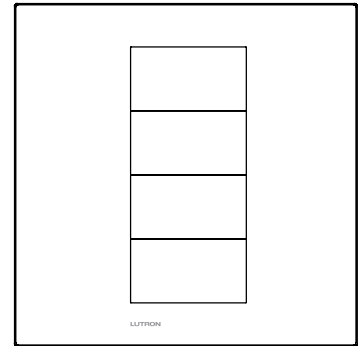
The QS wired Palladiom Keypad allows the user to control Lutron load-control devices via a QS link.

Features

- Large buttons are easy to use
- Buttons with white, backlit engraving make it easy to find and operate the keypad in low-light conditions
- Button engraving is easy to read
- Available in a variety of colors and finishes
- Keypad available in a variety of button marking options
- Wires to the QS link
- Works within Quantum, myRoom Plus, and myRoom Prime systems
- Status of active button press or scene is indicated through intensity of backlighting
- Dynamic Backlighting Management (DBM) automatically adjusts backlighting intensity based on ambient lighting conditions
- Backlighting can also be programmed in Quantum and myRoom systems to adjust backlighting intensity



1-Gang U.S. Style



1-Column Square Style

Colors and Finishes

Architectural Matte Finishes

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

Architectural Metal Finishes

	Antique Brass* QB
	Bright Brass BB
	Bright Chrome BC
	Bright Nickel BN
	Polished Graphite PG
	Satin Brass SB
	Satin Chrome SC
	Satin Nickel SN

Signature Metal Finishes

	Champagne CP
	Graphite GP

Glass Finishes

	Clear Black Glass CBL
	Clear White Glass CWH

- Due to printing limitations, colors and finishes shown cannot be guaranteed to perfectly match actual product colors.
- PD-CK-1 (Architectural finishes) and SM-CK-DEMO (Signature Metal finishes) chip sample sets are available to represent these colors and finishes. Chips should not be used for exact matching of the color or finish.**

* Antique Brass is a handcrafted finish that is created using a manual relief process. This artisanal process can result in variations in luster, hue and appearance.
 ** Contact Lutron prior to using any samples for matching of non-Lutron product.

SPECIFICATION SUBMITTAL

Page

Job Name:	Model Numbers:
Job Number:	

Specifications

Regulatory Approvals

- Lutron Quality Systems registered to ISO 9001:2015
- Complies with UL 508
- Complies with IEC 60669-2-1
- Complies with CSA C22.2 No. 14-13
- Complies with UL 2269 (EBB-1-3COL only)
- Complies with IEC 60670-1 (EBB-1-3COL only)
- Complies with CSA C22.2 No. 18.2 (2006) (EBB-1-3COL only)

Power Input

- SELV/PELV/NEC® Class 2
- Operating voltage: 24–36 V $\overline{=}$ 30 mA

System Communication and Capacity

- SELV/PELV/NEC® Class 2 wiring connects Keypads to other devices on the QS Link
- A Quantum system can have up to 100 QS devices on the QS link
- A myRoom Plus or myRoom Prime system can have up to 50 QS devices on the QS link
- Each base unit 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) at www.lutron.com

Terminals

- Each terminal accepts up to two 18 AWG (1.0 mm²) wires.

Environment

- Ambient operating temperature: 32 °F to 104 °F (0 °C to 40 °C)
- Maximum 90% non-condensing relative humidity
- Indoor use only

Key Design Features

- Field-changeable button and faceplate assemblies allow for customization. See **How to Build a Model Number (Button Kits)** for more information
- 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
- Use Faceplate or Button Kits to change color or engraving
- Engraving font: 11- or 14-pt Helvetica; special characters available (e.g., ç, ñ); Chinese and Arabic languages NOT available
- IP20 Rating
- Control operation complies with ADA standards for an accessible design

Compatibility

- QS wired Palladiom Keypads are compatible with:
 - Quantum systems
 - myRoom Plus systems
 - myRoom Prime systems

Mounting

- Typical U.S. style wallbox dimensions: 3.7 in (95 mm) H × 1.8 in (46 mm) W × 2.8 in (70 mm) D
- Typical Square style wallbox dimensions: 75 mm H × 75 mm W × ≥25 mm D
- Typical Round style wallbox dimensions: ϕ 68 mm × ≥25 mm D
- See **Mounting** for more details

Limited Warranty

- www.lutron.com/warranty or call 1.844.LUTRON1 for a printed copy

Job Name:	Model Numbers:
Job Number:	

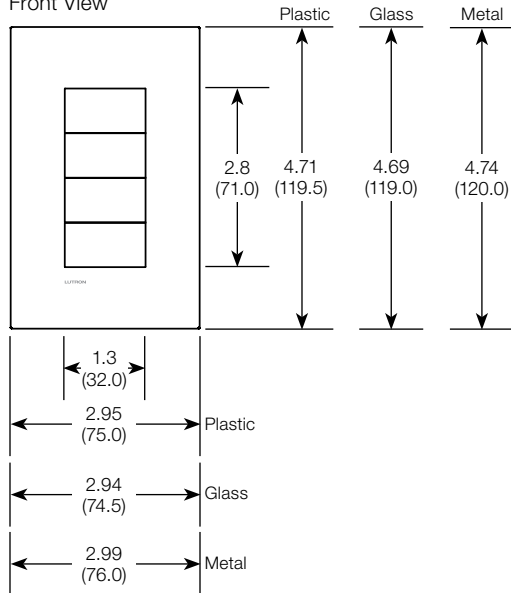
Dimensions

U.S. Style - Plastic, Glass, or Metal Finish

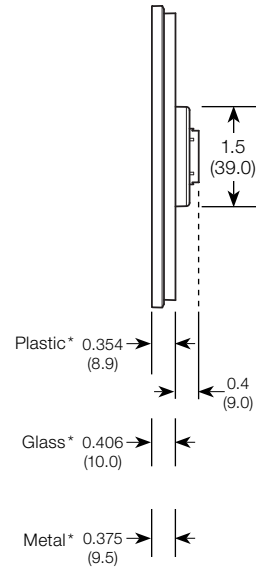
Measurements shown as: in (mm)

1-Gang

Front View

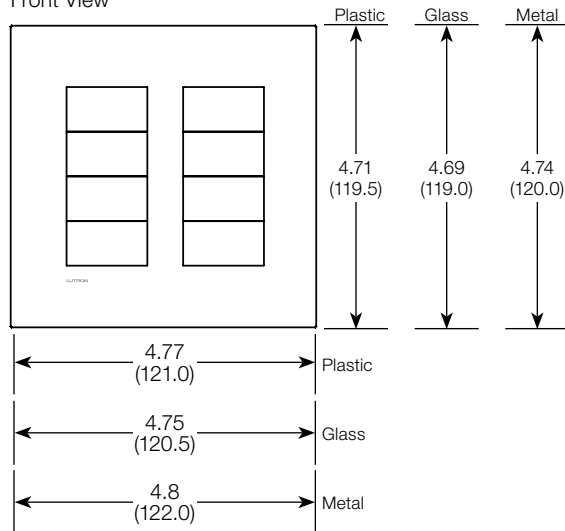


Side View

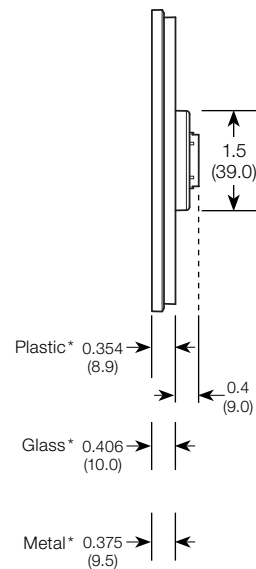


2-Gang

Front View



Side View



* Wallbox installation will affect this dimension.

(continued on next page...)



SPECIFICATION SUBMITTAL

Page

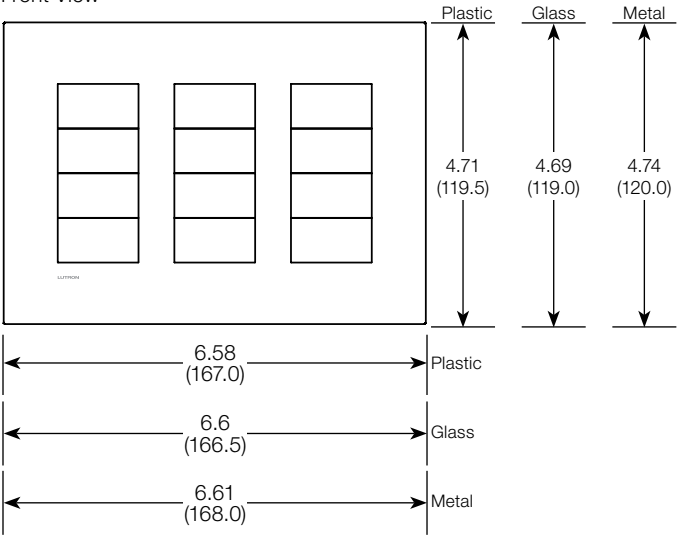
Job Name:	Model Numbers:
Job Number:	

Dimensions *(continued)*

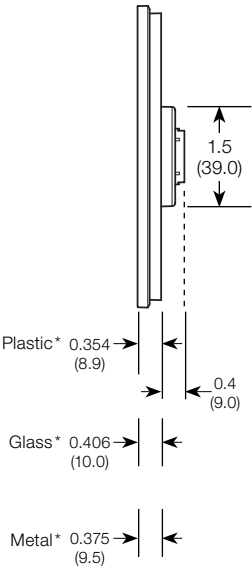
U.S. Style - Plastic, Glass, or Metal Finish *(continued)*
Measurements shown as: in (mm)

3-Gang

Front View

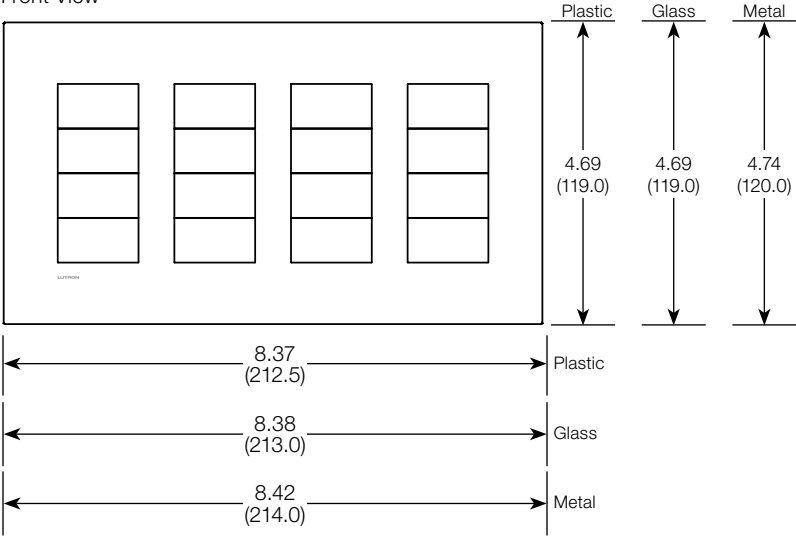


Side View

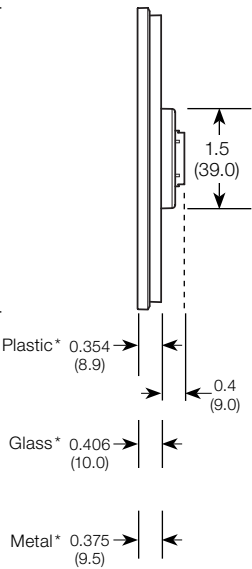


4-Gang

Front View



Side View



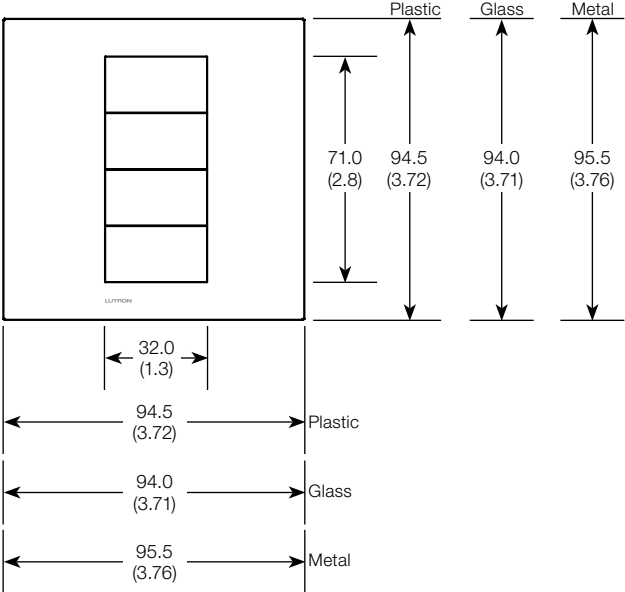
* Wallbox installation will affect this dimension.

Dimensions *(continued)*

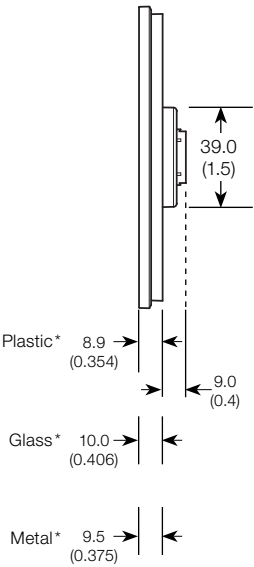
Square Style - Plastic, Glass, or Metal Finish
Measurements shown as: mm (in)

1-Column

Front View

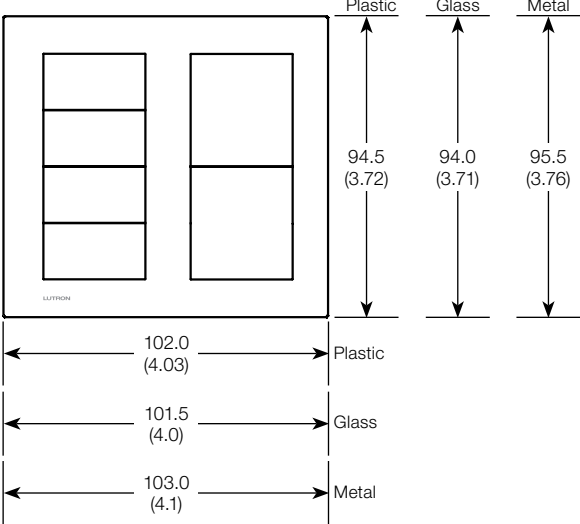


Side View

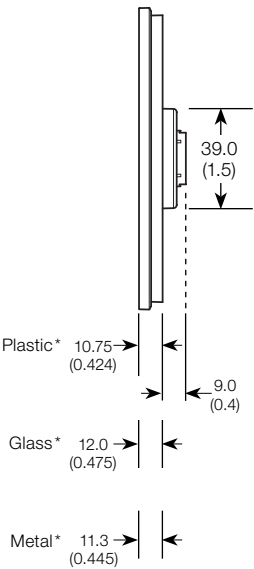


2-Column

Front View



Side View



* Wallbox installation will affect this dimension.

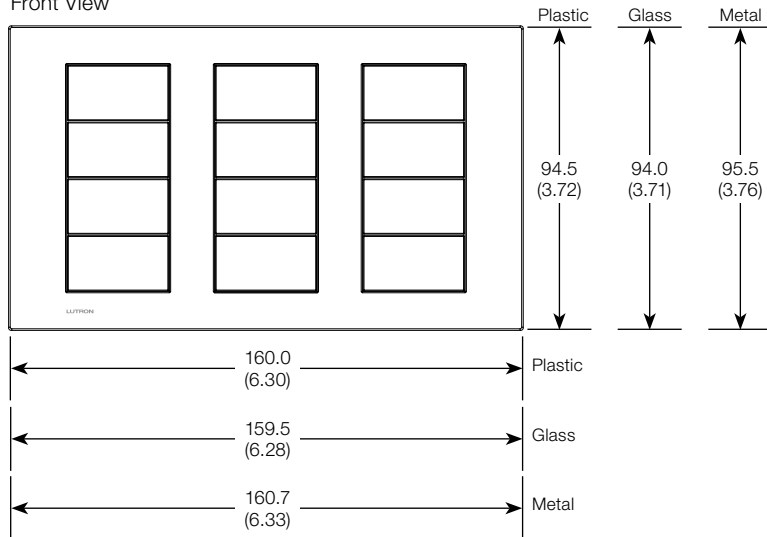
Dimensions *(continued)*

Square Style - Plastic, Glass, or Metal Finish *(continued)*

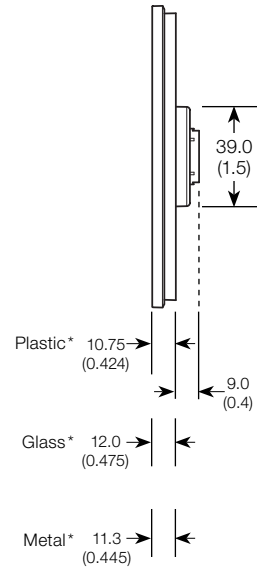
Measurements shown as: mm (in)

3-Column

Front View

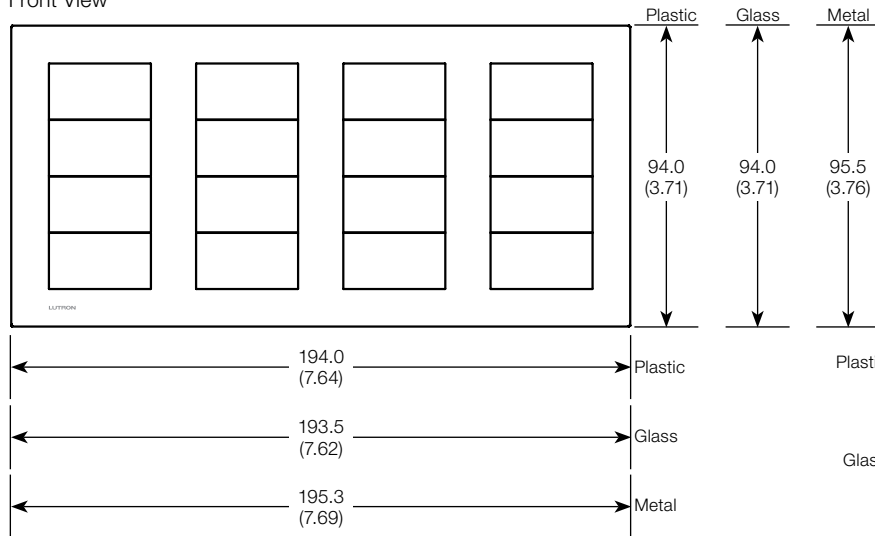


Side View

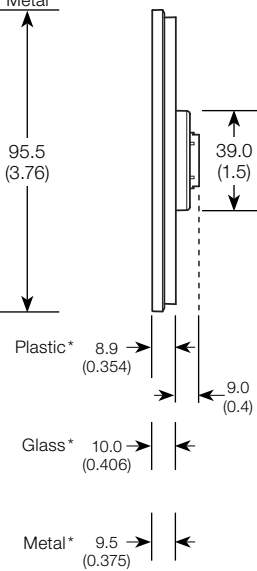


4-Column

Front View



Side View



* Wallbox installation will affect this dimension

Job Name:

Model Numbers:

Job Number:

How to Build a Model Number

Keypads

QWP – U – 2 W – WH – E

System Type

QWP: Quantum

MWP: myRoom
(Plus or Prime)

Faceplate Options

B: Base Unit without Faceplate*

U: U.S. Style

S: Square Style

* Base units are not interchangeable between plastic, metal, and glass.

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

*2-Column Square Style**

Left Column Right Column

22: 2-Button 2-Button

24: 2-Button 4-Button

2R: 2-Button 3-Button with
Raise/Lower

R2: 3-Button with
Raise/Lower 2-Button

RR: 3-Button with
Raise/Lower 3-Button with
Raise/Lower

42: 4-Button 2-Button

44: 4-Button 4-Button

4R: 4-Button 3-Button with
Raise/Lower

R4: 3-Button with
Raise/Lower 4-Button

Backlighting

W: White

Colors and Finishes

*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*

BB: Bright Brass

BC: Bright Chrome

BN: Bright Nickel

PG: Polished Graphite

QB: Antique Brass

SB: Satin Brass

SC: Satin Chrome

SN: Satin Nickel

*Signature Metal
Finishes*

CP: Champagne

GP: Graphite

Glass Finishes

CBL: Clear Black
Glass

CWH: Clear White
Glass

Engraving

See Engraving Options for more details

E: Predefined custom engraving**

* Customer must provide engraving details at time of order.

** Required for any 2-column keypad.

Job Name:

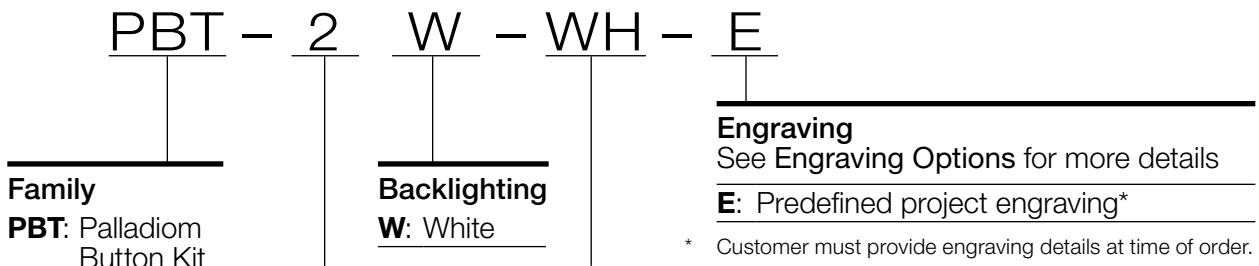
Model Numbers:

Job Number:

How to Build a Model Number *(continued)*

Button Kits

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



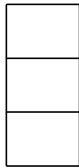
Button Configurations

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

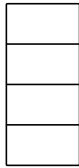
2: 2-Button



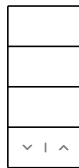
3: 3-Button



4: 4-Button



R: 3-Button with
Raise/Lower



Colors and Finishes

Colors and 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

BB: Bright Brass

BC: Bright Chrome

BN: Bright Nickel

PG: Polished Graphite

QB: Antique Brass

SB: Satin Brass

SC: Satin Chrome

SN: Satin Nickel

Signature Metal Finishes

CP: Champagne

GP: Graphite

Glass Finishes

CBL: Clear Black Glass

CWH: Clear White Glass

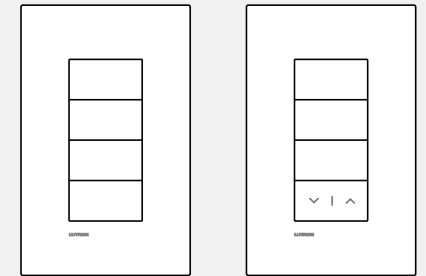
Field Changes

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.



Job Name:

Model Numbers:

Job Number:

How to Build a Model Number *(continued)*

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

Colors and Finishes

Colors and 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

BB: Bright Brass

BC: Bright Chrome

BN: Bright Nickel

PG: Polished Graphite

QB: Antique Brass

SB: Satin Brass

SC: Satin Chrome

SN: Satin Nickel

Signature Metal Finishes

CP: Champagne

GP: Graphite

Glass Finishes

CBL: Clear Black Glass

CWH: Clear White Glass

* 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*.



Job Name:	Model Numbers:
Job Number:	

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 cannot be processed until engraving information is received.

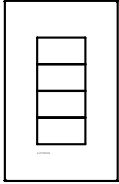
Job Name:	Model Numbers:
Job Number:	

How to Select a Palladiom Keypad

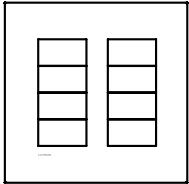
Examples of keypad and faceplate configurations are shown below.

U.S. Style

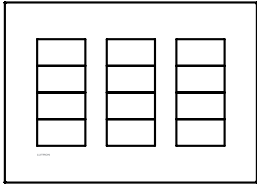
Model Number	Quantity	Assembled	Mount
1-Gang Keypad			
QWP-U-4W-WH-E	1	Yes	U.S. Wallbox



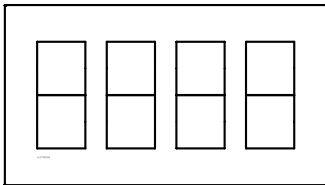
2-Gang Keypad			
QWP-B-4W-WH-E	2	No*	U.S. Wallbox
LWT-U-PP-WH	1		



3-Gang Keypad			
QWP-B-4W-WH-E	3	No*	U.S. Wallbox
LWT-U-PPP-WH	1		

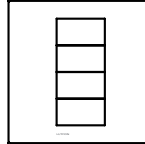


4-Gang Keypad			
QWP-B-2W-WH-E	4	No*	U.S. Wallbox
LWT-U-PPPP-WH	1		

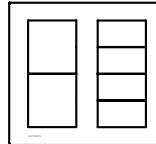


Square Style

Model Number	Quantity	Assembled	Mount
1-Column Keypad			
QWP-S-4W-WH-E	1	Yes	Square or Round Wallbox

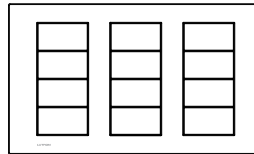


2-Column Keypad			
QWP-S-24W-WH-E	1	Yes	Square or Round Wallbox

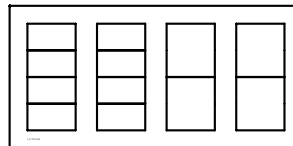


3-button configuration not available.

3-Column Keypad			
QWP-B-4W-WH-E	3	No*	EBB-1-3COL
LWT-S-PPP-WH	1		



4-Column Keypad			
QWP-B-44W-WH-E	1	No*	2 Square or Round Wallboxes
QWP-B-22W-WH-E	1		
LWT-S-PPPP-WH	1		



3-button configuration not available.

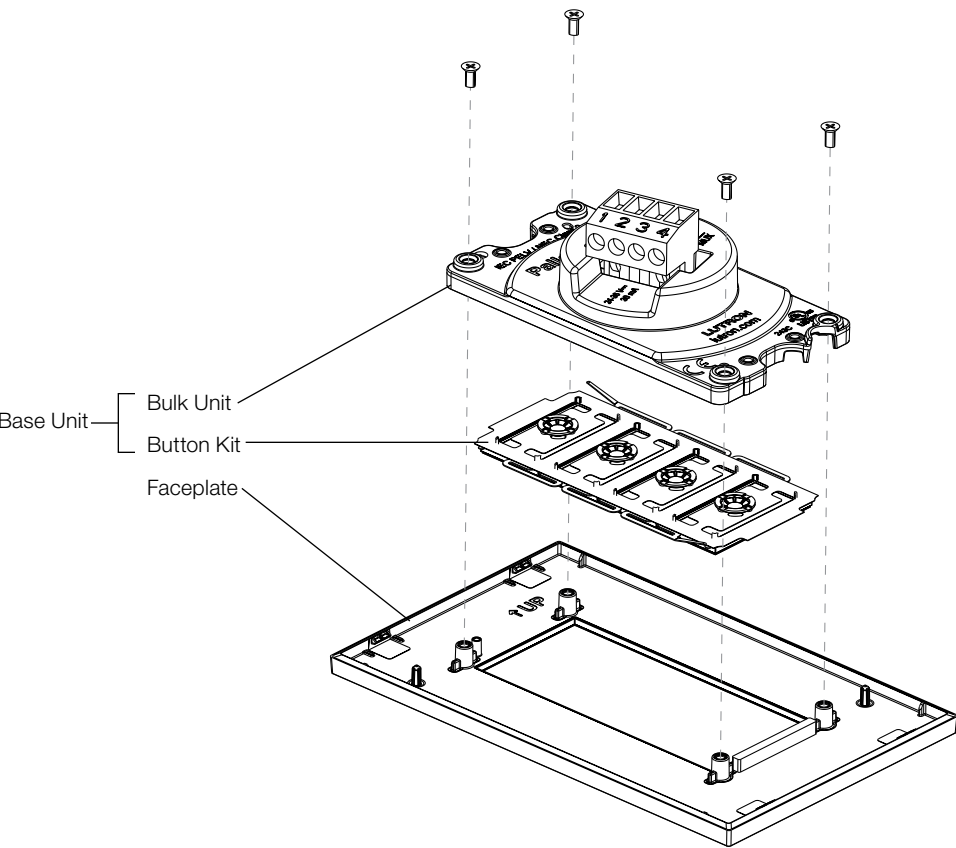
* Model numbers must be ordered as separate pieces and assembled. See Keypad Assembly.

Job Name:	Model Numbers:
Job Number:	

Keypad Assembly

Tools Required: Phillips head screwdriver (not included)

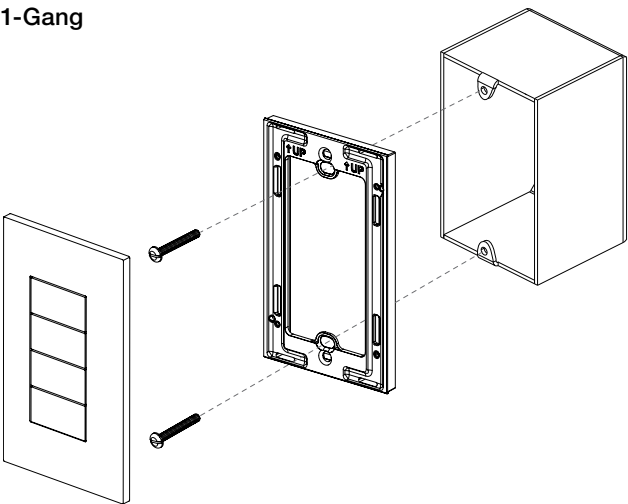
- 1. Place button kit on back of faceplate.
- 2. Align bulk unit over button kit and faceplate.
- 3. Assemble using 4 screws (provided).
- 4. Repeat steps 1–3 for each base unit.



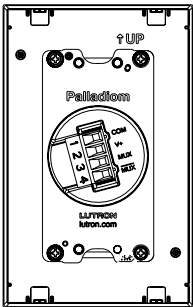
Mounting

U.S. Style

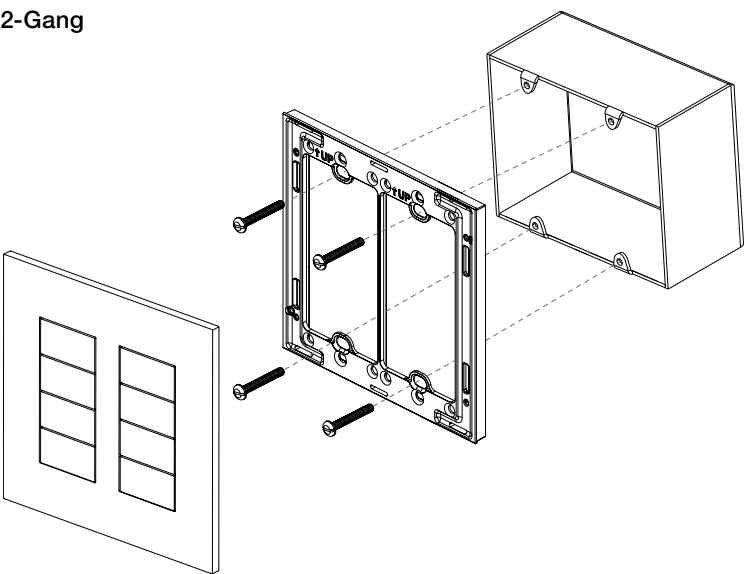
1-Gang



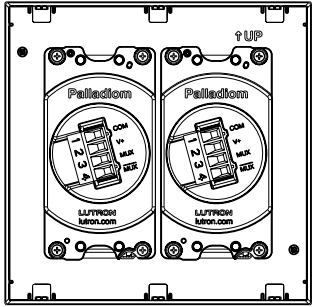
Back View



2-Gang



Back View

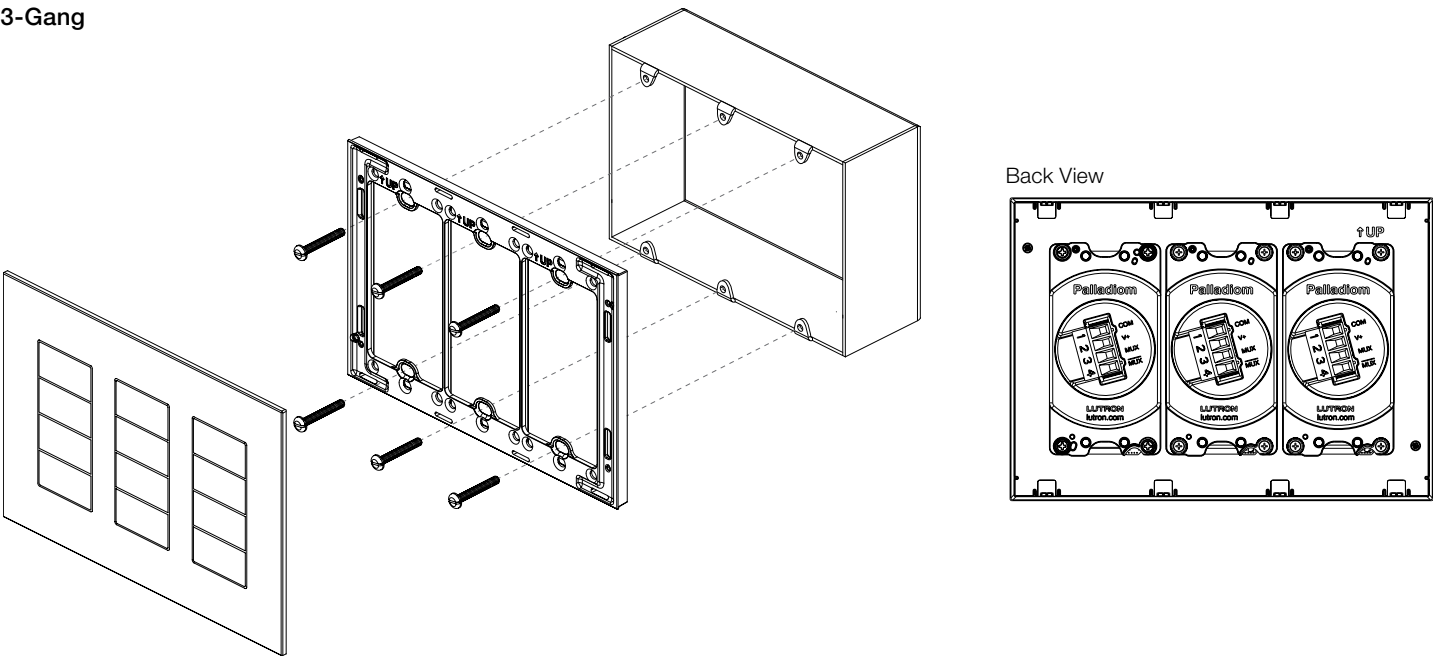


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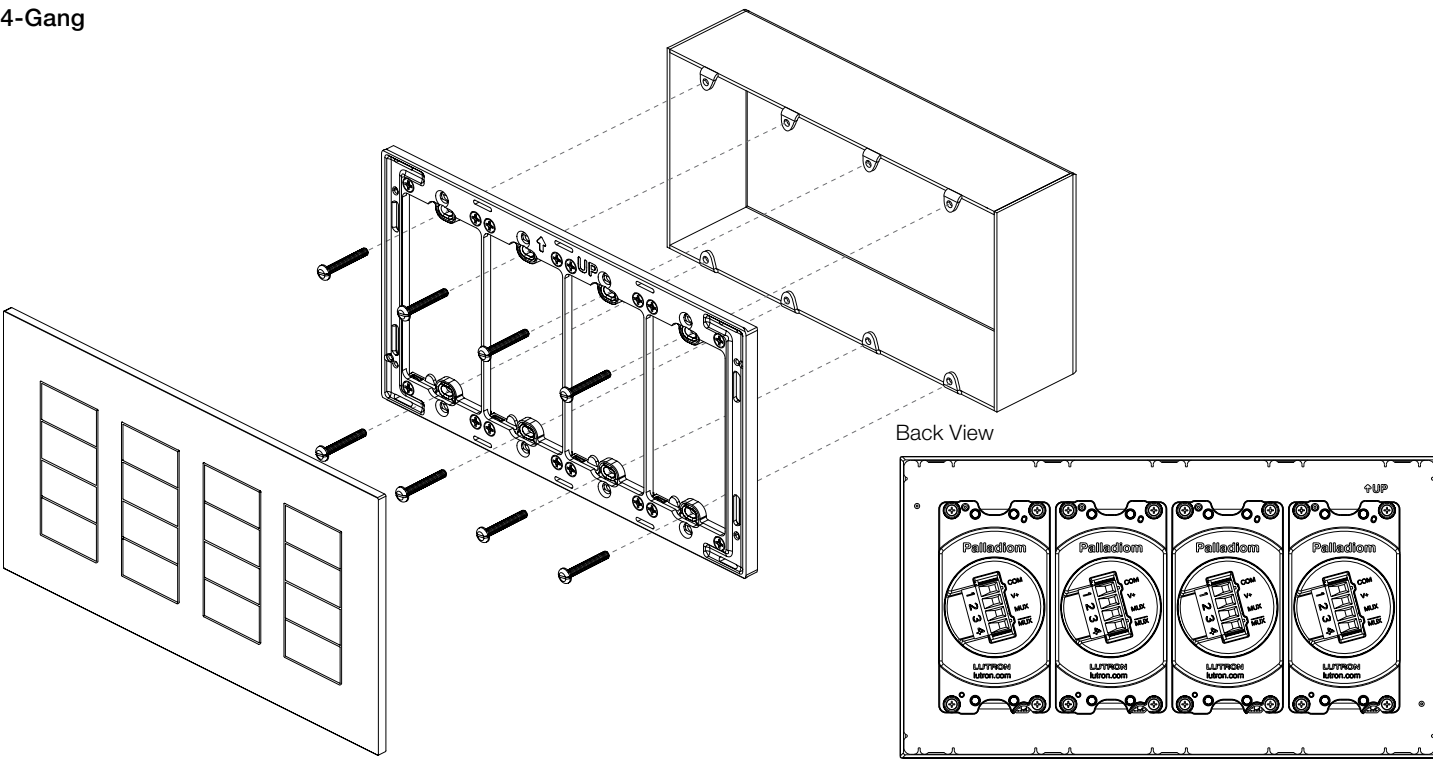
Mounting (continued)

U.S. Style (continued)

3-Gang



4-Gang

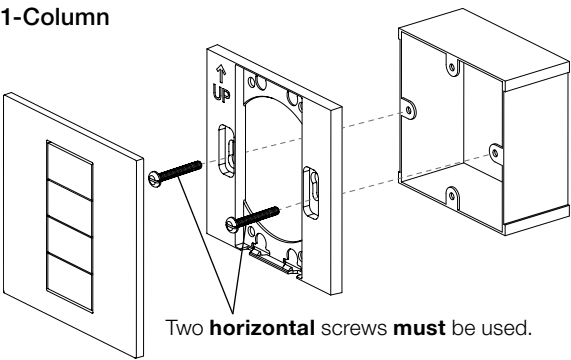


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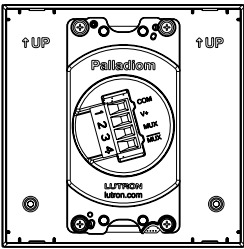
Mounting *(continued)*

Square Style (Square or Round Wallbox*)

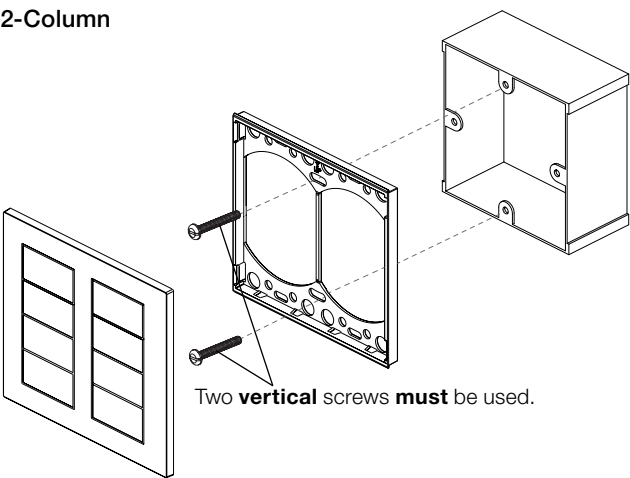
1-Column



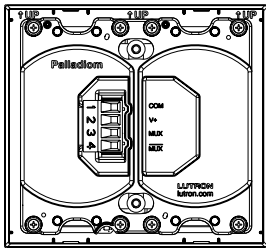
Back View



2-Column



Back View



Note: 2-column base unit shown with 2-column faceplate.
1 + 1 keypad configuration will not fit with a U.K. or European backbox.

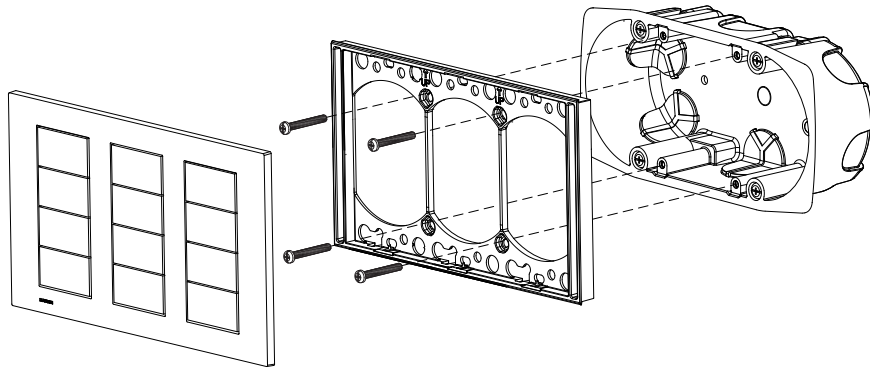
* Use wallbox with 4 available mounting screw holes for maximum flexibility.

Job Name:	Model Numbers:
Job Number:	

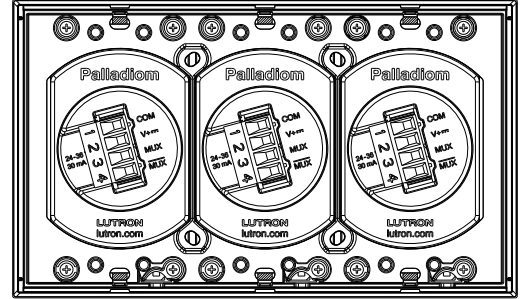
Mounting *(continued)*

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

3-Column^{1, 2}



Back View

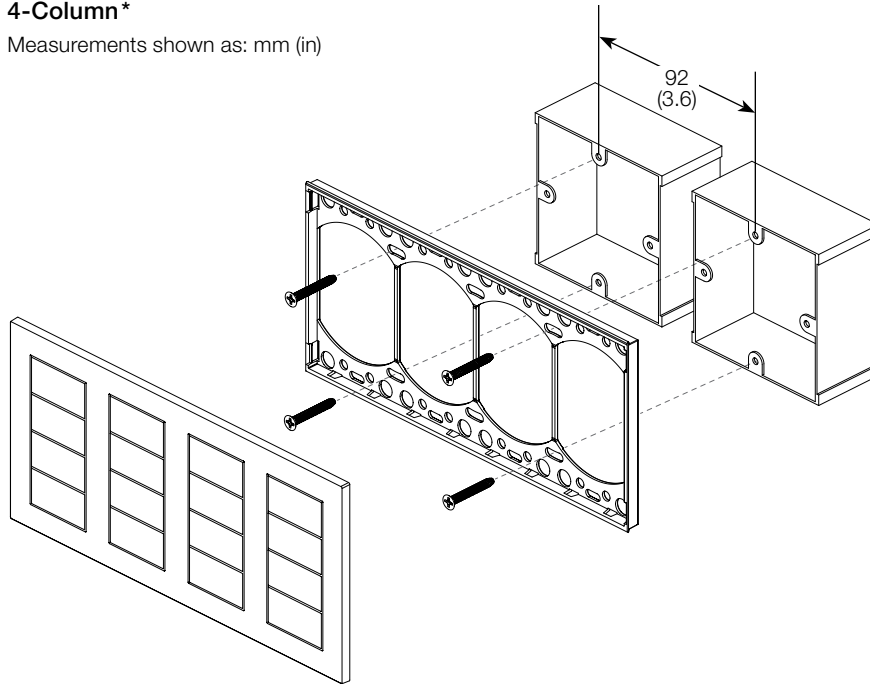


¹ Use Lutron part number EBB-1-3COL as wallbox for 3-Column wall installations.

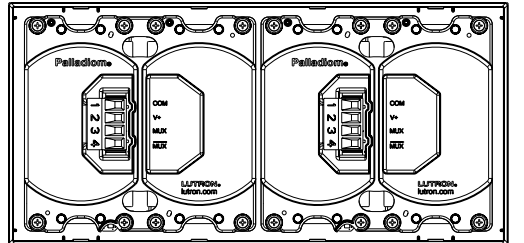
² EBB-1-3COL is for hollow wall or plaster installations. Do not use for concrete pour installations. See Lutron App Note #705 (P/N 048705) at www.lutron.com for installation instructions.

4-Column*

Measurements shown as: mm (in)



Back View



Note: Two 2-column keypads shown. Four 1-column keypads cannot mount to a wallbox.

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

Job Name:	Model Numbers:
Job Number:	

QS Link Wiring

- Use SELV/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.
- Connect the appropriate size wires to terminals 1 and 2 for power according to your link length (see table below).

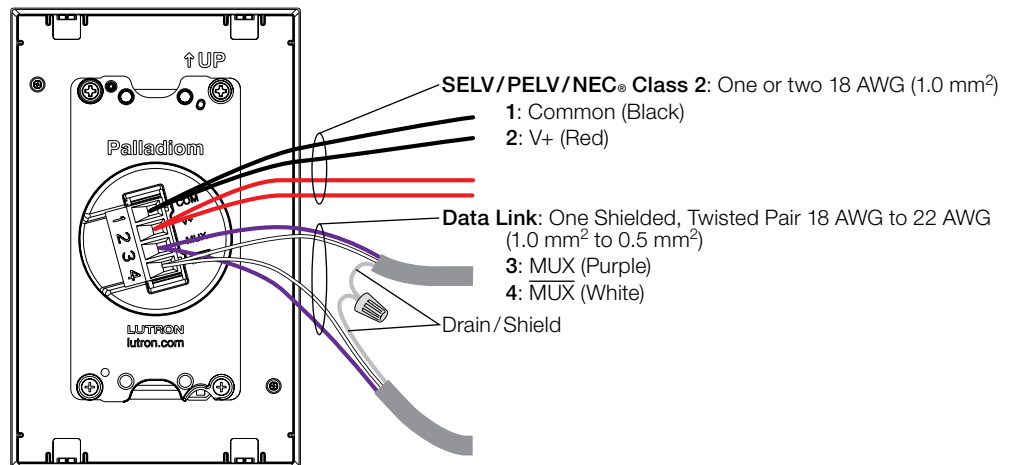
Note: Use appropriate wire connecting devices as specified by local codes.

- 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) at www.lutron.com

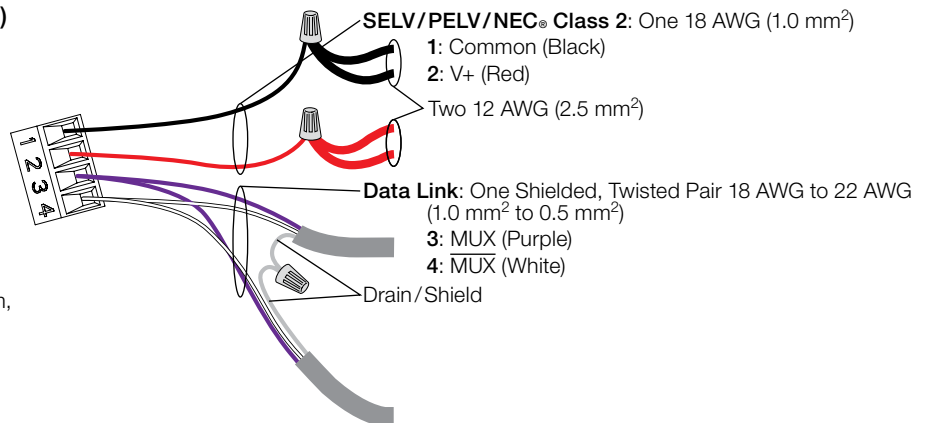
QS Link Wire Sizes (check compatibility in your area)

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

Link Wiring less than 500 ft (153 m)



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



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Page

Job Name:	Model Numbers:
Job Number:	