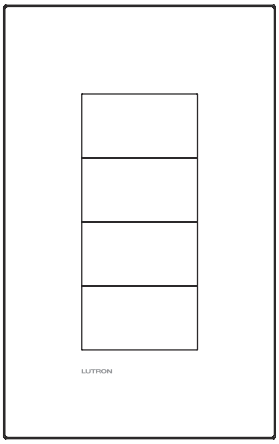
HomeWorks Wired Palladiom Keypad

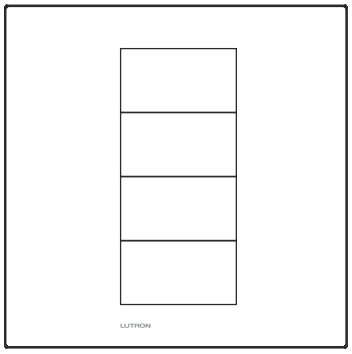
The HomeWorks wired Palladiom keypad allows the user to control lights, shades/draperies, temperature, and third-party equipment. The keypad is wired to a HomeWorks processor on the QS link.

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 Lutron Designer software. Dynamic Backlighting Management (DBM) automatically adjusts backlight intensity based on ambient lighting conditions. It can also be programmed in the Lutron Designer 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).

Customer Assistance:
1.844.LUTRON1 (U.S.A. / Canada)
+44.(0)20.7680.4481 (Europe)

HomeWorks Wired Palladiom Keypad

Specifications

Model Numbers	See **How to Build a Model Number** (Keypads).
Power	24 – 36 V⎓ 30 mA
Typical Power Consumption	0.7 W *Test conditions*: all backlights on medium intensity, two LEDs on (two presets active), keypad powered at 24 V⎓
Regulatory Approvals	Lutron Quality Systems registered to ISO 9001:2015. Complies with UL 508; IEC 60669-2-1; and CSA C22.22 No. 14-13. EBB-1-3COL only - Complies with UL 2269; IEC 60670-1; and CSA C22.22 No. 18.2 (2006).
Environment	*Ambient operating temperature*: 32 °F to 104 °F (0 °C to 40 °C), 0% to 90% non-condensing relative humidity. Indoor use only.
Communications	SELV / 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	*Power failure memory*: should power be interrupted, the keypad will return to its previous state when power is restored.
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*: ϕ68 mm × ≥25 mm D. See **Mounting** on page 11 for more details.
Wiring	SELV / PELV / NEC® Class 2
Terminals	Each terminal accepts up to two 18 AWG (1.0 mm^2) wires.
Limited Warranty	www.lutron.com/warranty or call 1.844.LUTRON1 (USA/Canada) or +1.610.282.3800 (Others) for a printed copy.

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 Wired Palladiom Keypad

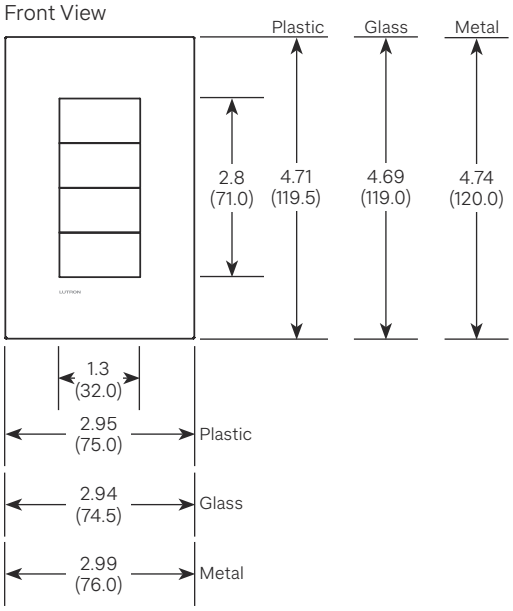
Dimensions

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

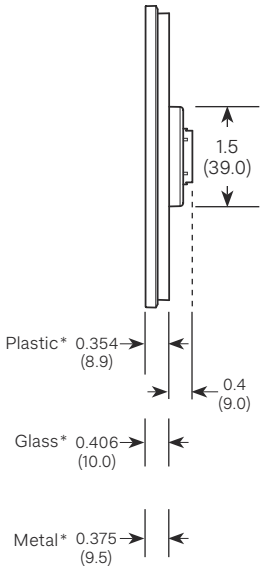
Measurements shown as: in (mm)

1-Gang

Front View

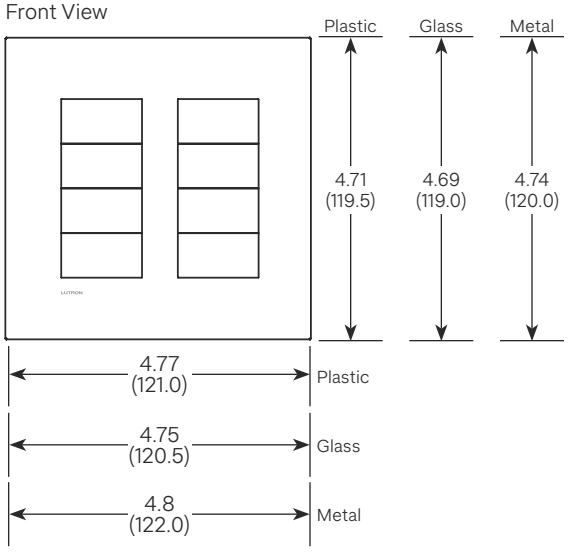


Side View

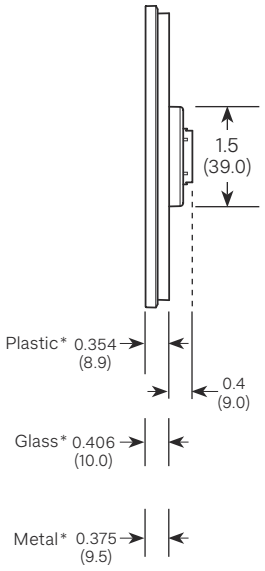


2-Gang

Front View



Side View



* Wallbox installation will affect this dimension.

(continued on next page...)

HomeWorks Wired Palladiom Keypad

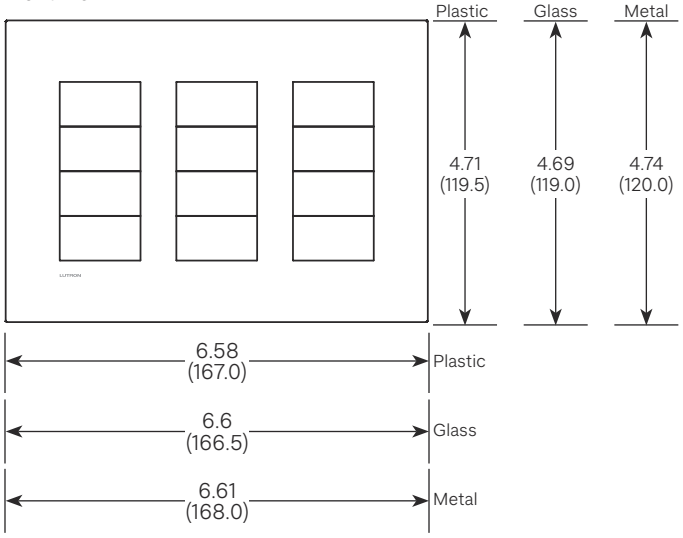
Dimensions *(continued)*

U.S. Style - Plastic, Glass, or Metal Finish *(continued)*

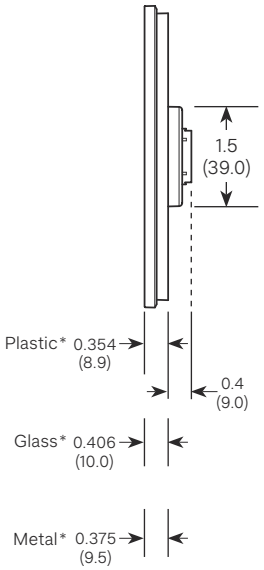
Measurements shown as: in (mm)

3-Gang

Front View

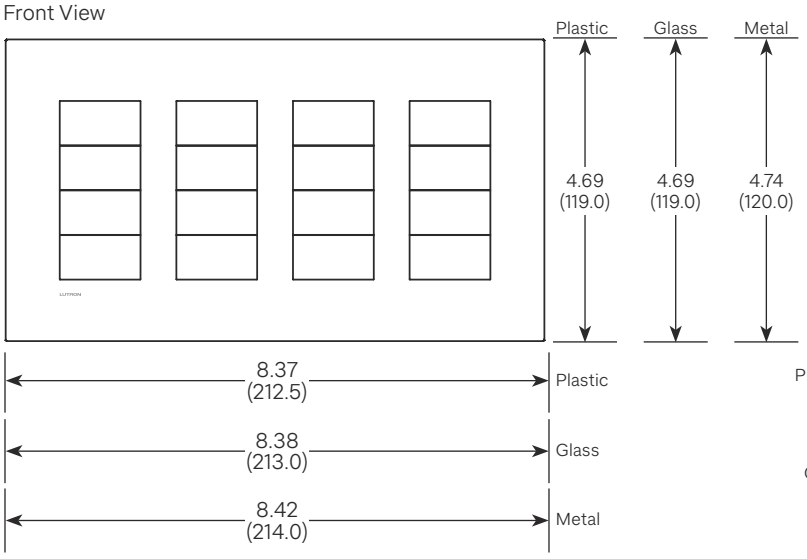


Side View

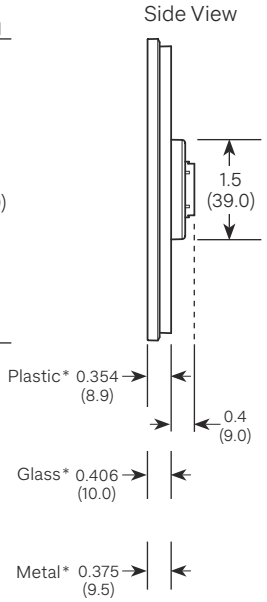


4-Gang

Front View



Side View



* Wallbox installation will affect this dimension.

HomeWorks Wired Palladiom Keypad

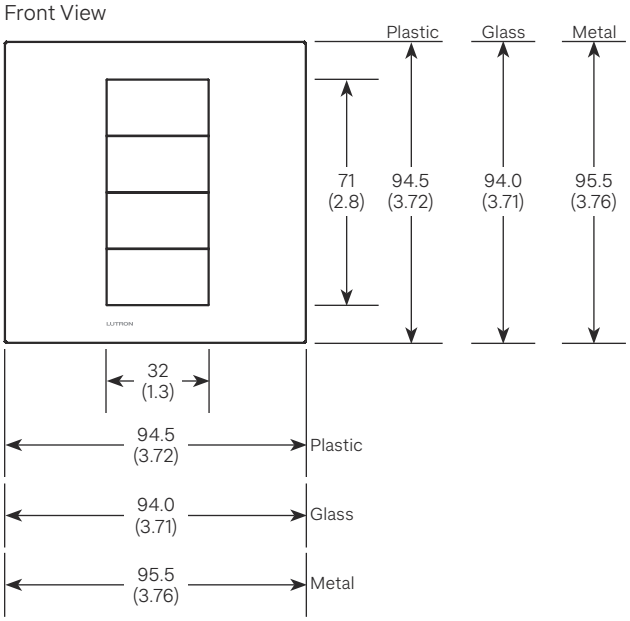
Dimensions *(continued)*

Square Style - Plastic, Glass, or Metal Finish

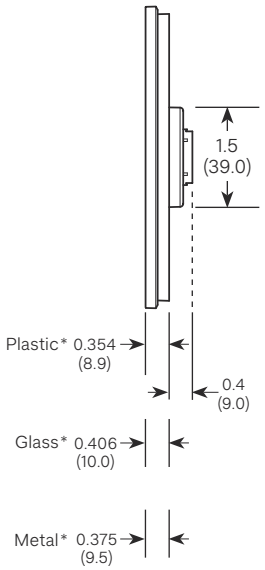
Measurements shown as: mm (in)

1-Column

Front View

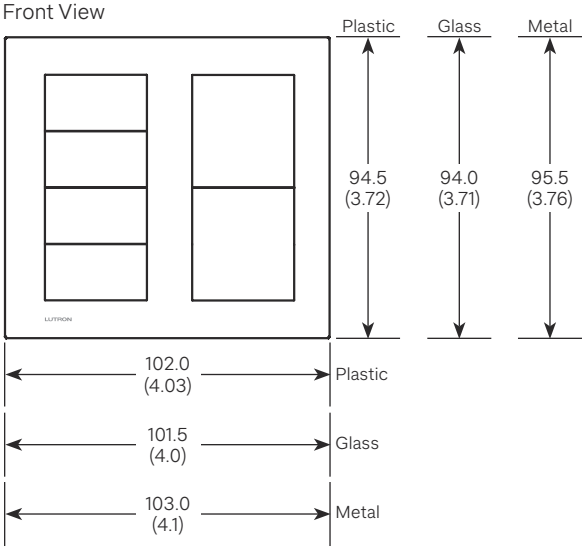


Side View

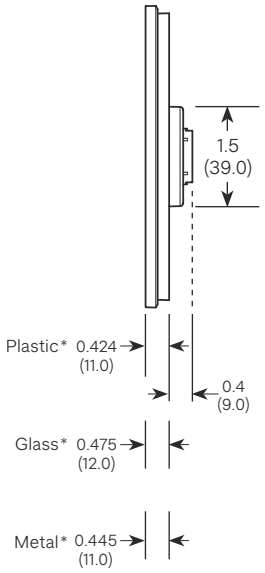


2-Column

Front View



Side View



* Wallbox installation will affect this dimension.

HomeWorks Wired Palladiom Keypad

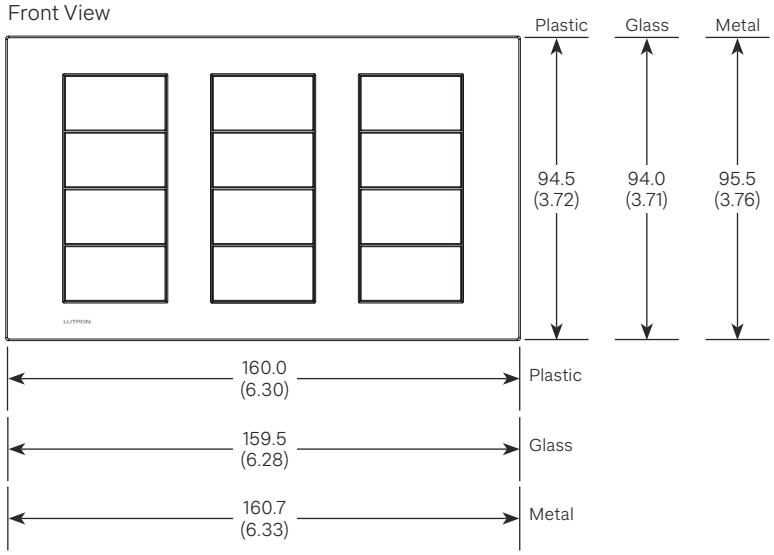
Dimensions *(continued)*

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

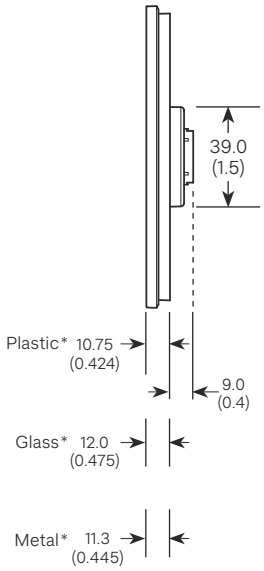
Measurements shown as: mm (in)

3-Column

Front View

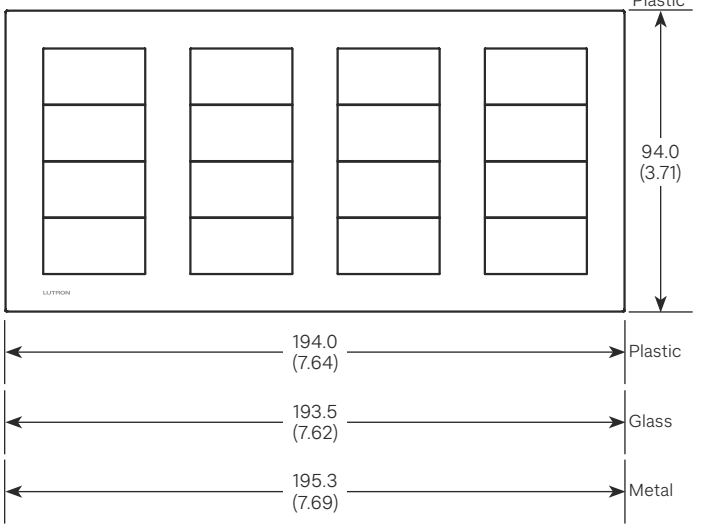


Side View

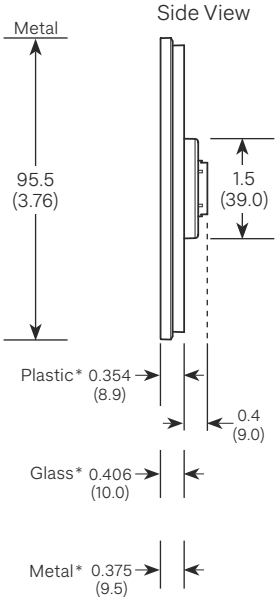


4-Column

Front View



Side View



* Wallbox installation will affect this dimension.

HomeWorks Wired Palladiom Keypad

How to Build a Model Number

Keypads

HQWT – U – P2 W – WH – E

System Type
HQWT: HomeWorks

Faceplate Options
B: Base Unit without Faceplate*
U: U.S. Style
S: Square Style
* Bulk units are only interchangeable between plastic & metal finishes, not glass.

Button Configurations
1-Gang/Column, U.S. or Square Style
P2: 2-Button
P3: 3-Button
P4: 4-Button
PR: 3-Button with Raise/Lower

2-Column Square Style

	Left Column	*Right Column*
P22:	2-Button	2-Button
P24:	2-Button	4-Button
P2R:	2-Button	3-Button with Raise/Lower
PR2:	3-Button with Raise/Lower	2-Button
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
PR4:	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 Finish
CBL: Clear Black Glass
CWH: Clear White Glass

Engraving
E: Predefined custom engraving*
* Customer must provide engraving details at time of order.

HomeWorks Wired Palladiom Keypad

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.

PBT – 2 W – WH – E

Family

PBT: Palladiom Button Kit

Backlighting

W: White

Engraving

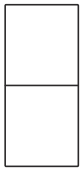
E: Predefined project engraving*

* Customer must provide engraving details at time of order.

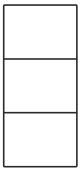
Button Configurations

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

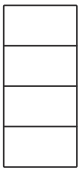
2: 2-Button



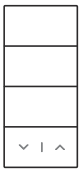
3: 3-Button



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

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 Finish

CBL: Clear Black Glass
CWH: Clear White Glass

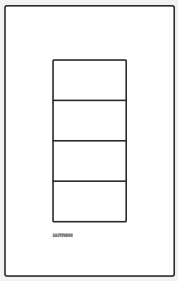
Field Changes

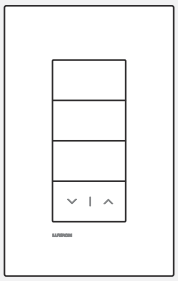
Button engraving changes

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.





Customer Assistance:
1.844.LUTRON1 (U.S.A./Canada)
+44.(0)20.7680.4481 (Europe)

HomeWorks Wired Palladiom Keypad

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

* 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
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Architectural Metal Finishes

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BN: Bright Nickel
SB: Satin Brass
SC: Satin Chrome
PG: Polished Graphite
QB: Antique Brass
SN: Satin Nickel

Signature Metal Finishes

CP: Champagne
GP: Graphite

Glass Finish

CBL: Clear Black Glass
CWH: Clear White Glass

HomeWorks Wired Palladiom Keypad

Engraving

Predefined Custom Engraving

All Palladiom keypads utilize predefined custom engraving. Engraving information must be submitted at the time of purchase. Orders cannot be processed until the engraving information is received.

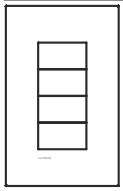
HomeWorks Wired Palladiom Keypad

How to Select a Palladiom Keypad

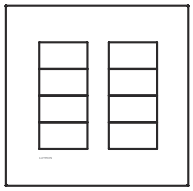
Examples of keypad and faceplate configurations are shown below.

U.S. Style

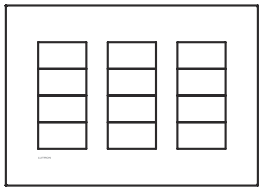
Model Number	Quantity	Assembled	Mount
1-Gang Keypad			
HQWT-U-P4W-WH-E	1	Yes	U.S. Wallbox



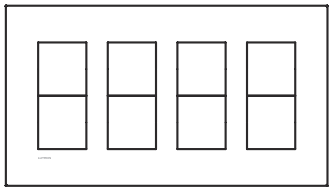
Model Number	Quantity	Assembled	Mount
2-Gang Keypad			
HQWT-B-P4W-WH-E	2	No*	U.S. Wallbox
LWT-U-PP-WH	1		



Model Number	Quantity	Assembled	Mount
3-Gang Keypad			
HQWT-B-P4W-WH-E	3	No*	U.S. Wallbox
LWT-U-PPP-WH	1		

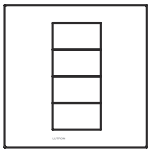


Model Number	Quantity	Assembled	Mount
4-Gang Keypad			
HQWT-B-P2W-WH-E	4	No*	U.S. Wallbox
LWT-U-PPPP-WH	1		

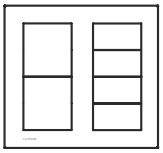


Square Style

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

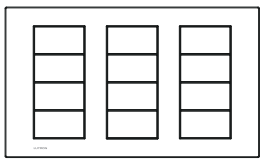


Model Number	Quantity	Assembled	Mount
2-Column Keypad			
HQWT-S-P24W-WH-E	1	Yes	Square or Round Wallbox

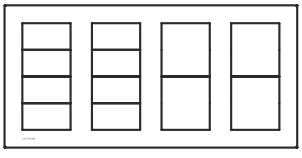


3-button configuration not available.

Model Number	Quantity	Assembled	Mount
3-Column Keypad			
HQWT-B-P4W-WH-E	3	No*	EBB-1-3COL
LWT-S-PPP-WH	1		



Model Number	Quantity	Assembled	Mount
4-Column Keypad			
HQWT-B-P44W-WH-E	1	No*	2 Square or Round Wallboxes
HQWT-B-P22W-WH-E	1		
LWT-S-PPPP-WH	1		



3-button configuration not available.

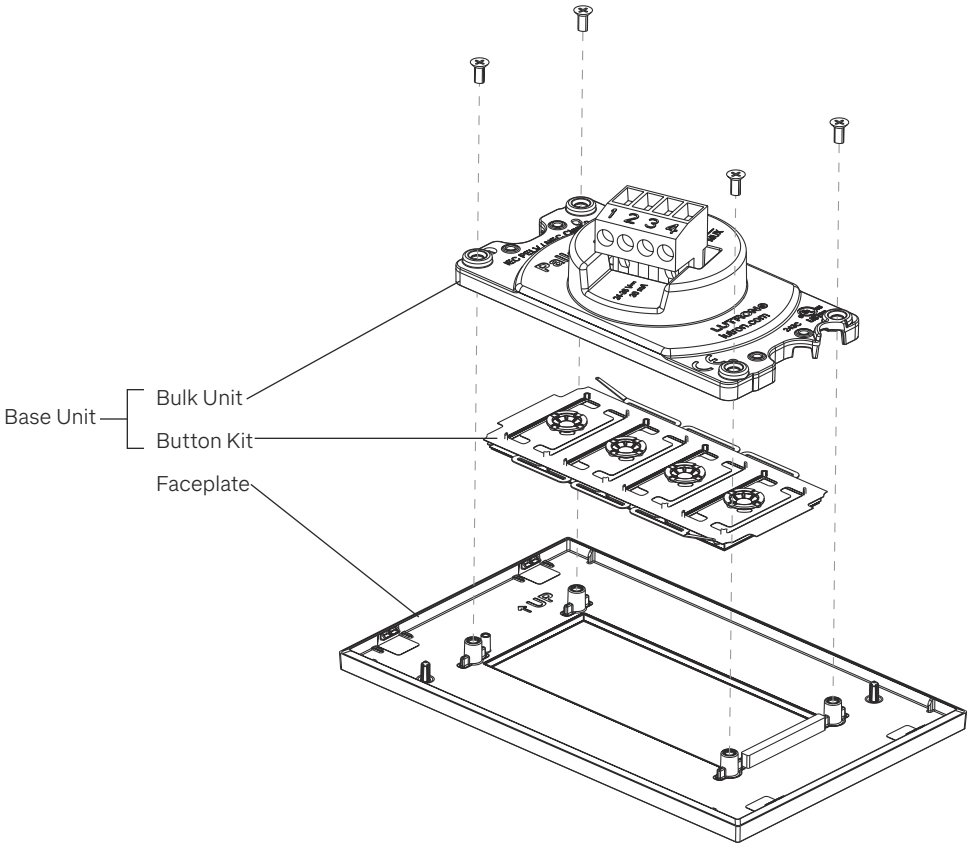
* Model numbers must be ordered as separate pieces and assembled. See **Keypad Assembly**.

HomeWorks 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.



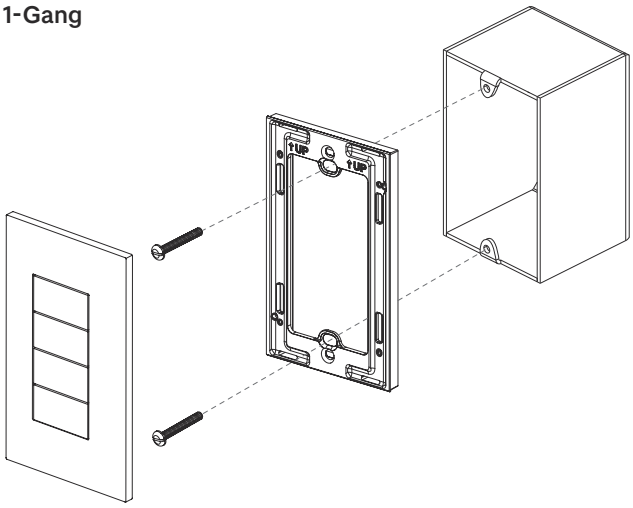
Customer Assistance:
1.844.LUTRON1 (U.S.A. / Canada)
+44.(0)20.7680.4481 (Europe)

HomeWorks Wired Palladiom Keypad

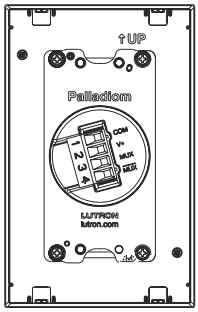
Mounting

U.S. Style

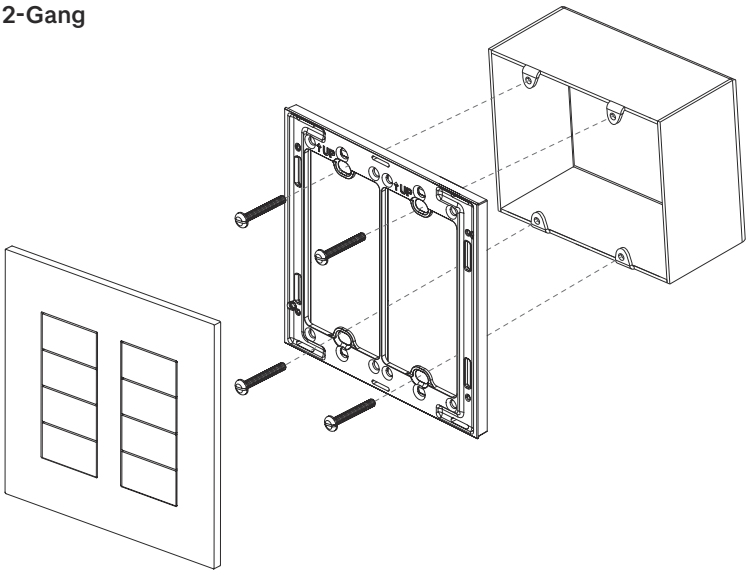
1-Gang



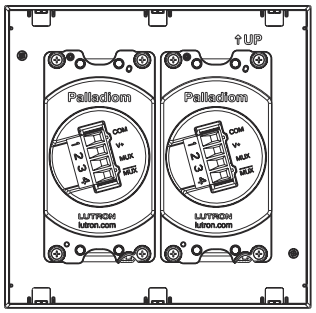
Back View



2-Gang



Back View



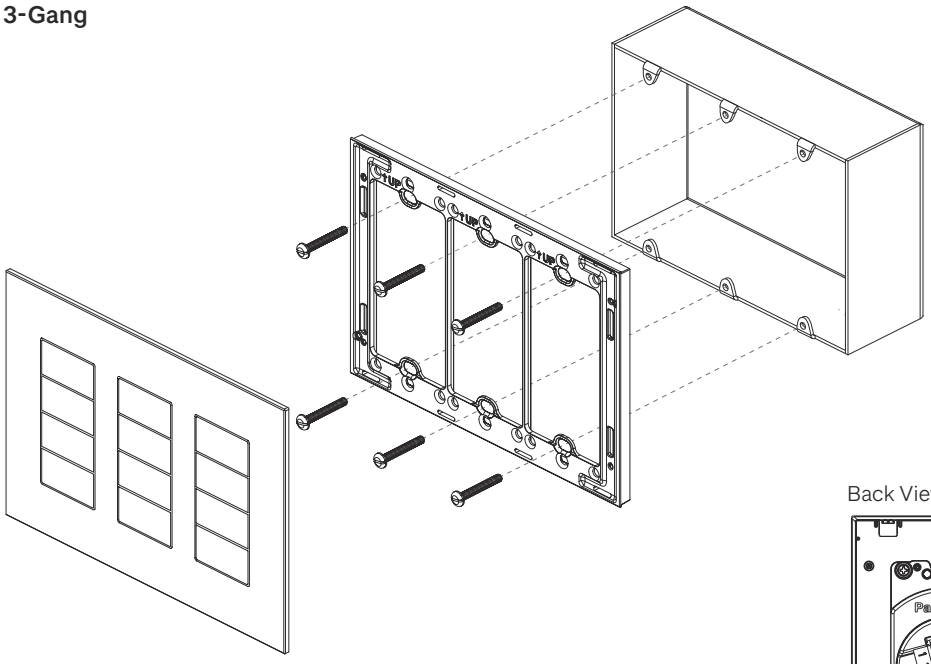
(continued on next page...)

HomeWorks Wired Palladiom Keypad

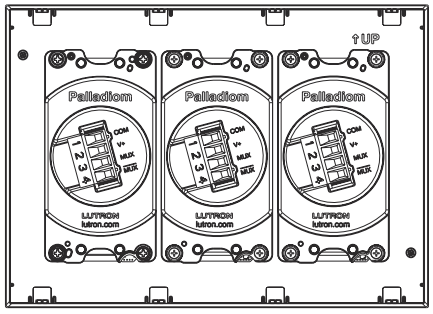
Mounting *(continued)*

U.S. Style *(continued)*

3-Gang



Back View



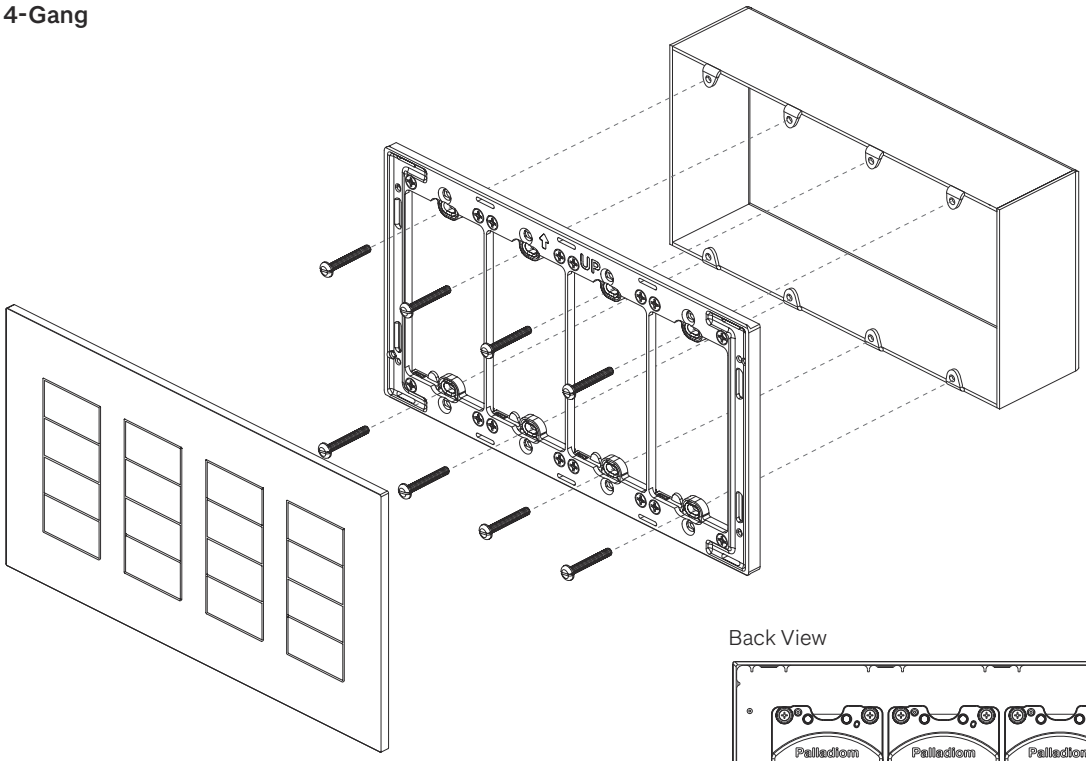
(continued on next page...)

HomeWorks Wired Palladiom Keypad

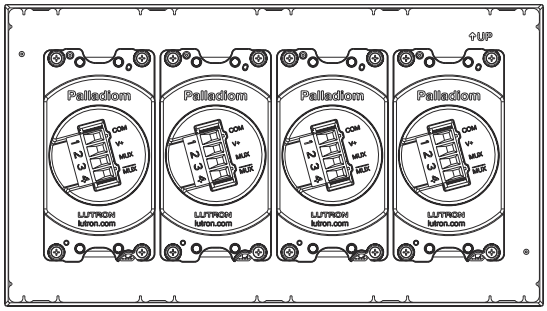
Mounting *(continued)*

U.S. Style *(continued)*

4-Gang



Back View



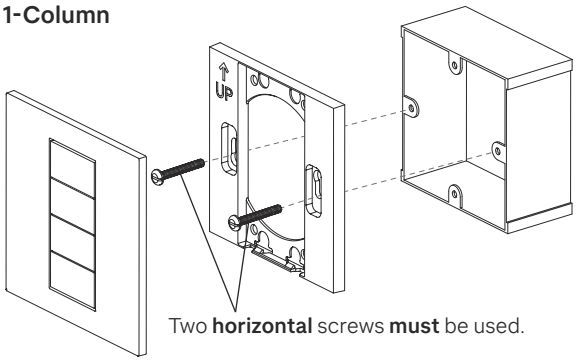
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HomeWorks Wired Palladiom Keypad

Mounting *(continued)*

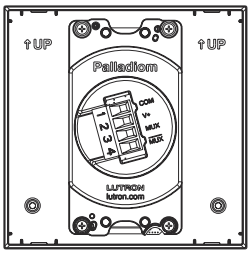
Square Style (Square or Round Wallbox*)

1-Column

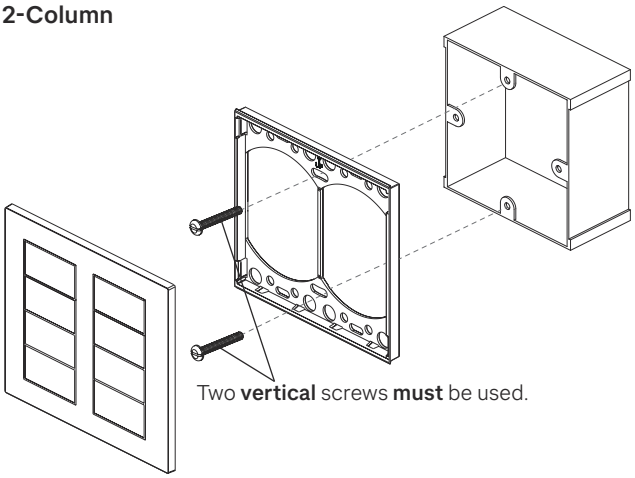


Two **horizontal** screws **must** be used.

Back View

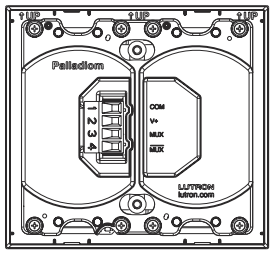


2-Column



Two **vertical** screws **must** be used.

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.

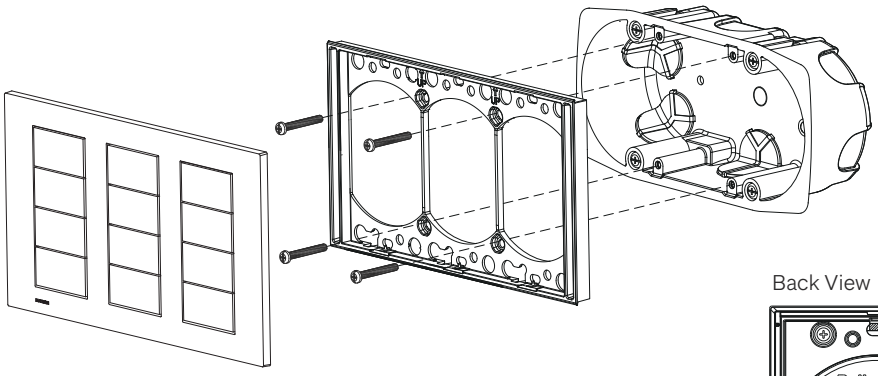
(continued on next page...)

HomeWorks Wired Palladiom Keypad

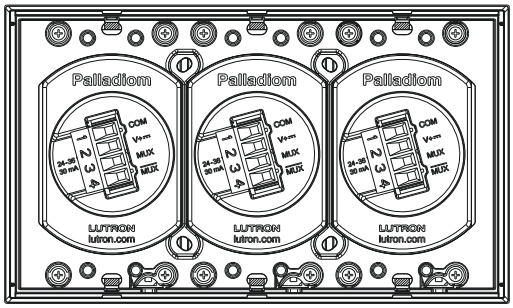
Mounting *(continued)*

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

3-Column[1, 2]



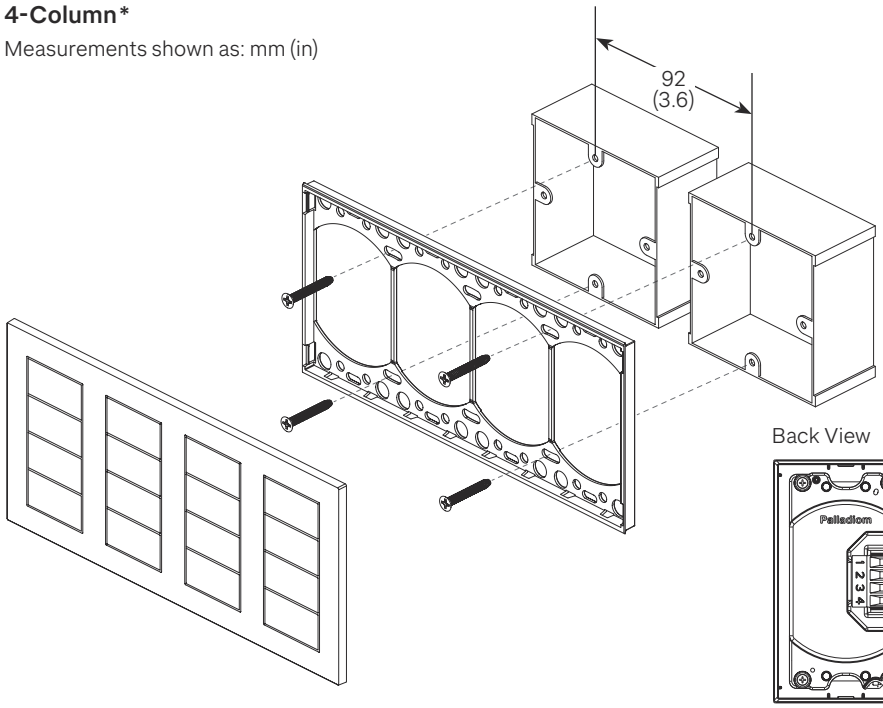
Back View



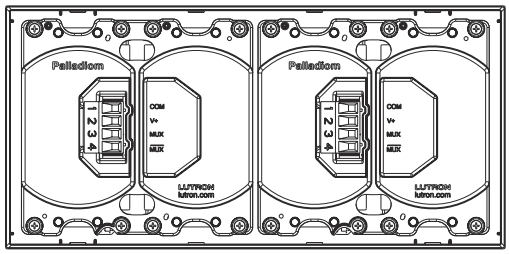
[1] Use Lutron part number EBB-1-3COL as wallbox for 3-Column wall installations.
[2] EBB-1-3COL is for hollow wall or plaster installations. Do not use for concrete pour installations. See Lutron App Note #705 (P/N 048705) at www.lutron.com for installation instructions.

4-Column*

Measurements shown as: mm (in)



Back View



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

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

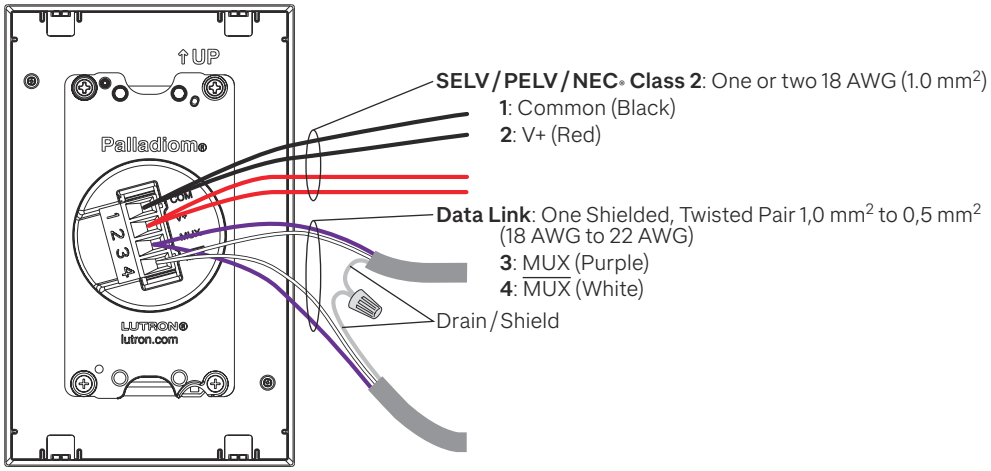
HomeWorks Wired Palladiom Keypad

QS Link Wiring

- Use SELV / PELV / NEC® Class 2 wiring to connect keypads to the QS link.
- Connect two 22 AWG (0.5 mm^2) 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.

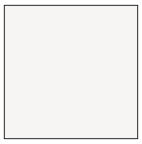
- Each base unit model number counts as 1 device on the QS link.
- Each button column of a QS wired Palladiom Keypad consumes 1 power draw unit (PDU) on the QS link. For complete information, see "Power Draw Units on the QS Link" (Lutron P/N 369405).

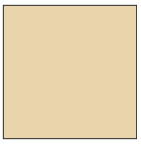


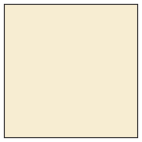
HomeWorks Wired Palladiom Keypad

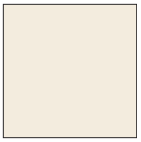
Colors and Finishes

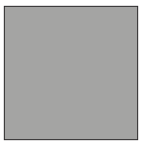
Architectural Matte Finishes


White
WH


Ivory
IV

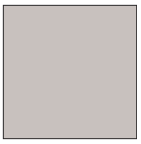

Almond
AL


Light Almond
LA

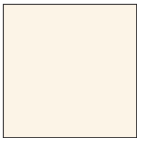

Gray
GR


Brown
BR


Black
BL

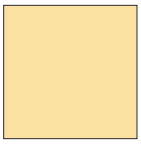

Taupe
TP


Sienna
SI

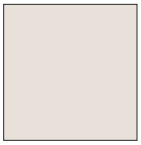

Beige
BE

Architectural Metal Finishes

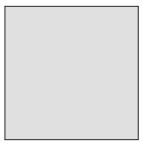

Satin Brass
SB


Bright Brass
BB


Satin Nickel
SN


Bright Nickel
BN


Satin Chrome
SC


Bright Chrome
BC


Polished Graphite
PG

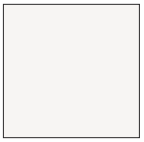

Antique Brass*
QB

Signature Metal Finishes


Graphite
GP


Champagne
CP

Glass Finishes


Clear White Glass
CWH


Clear Black Glass
CBL

- 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.

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