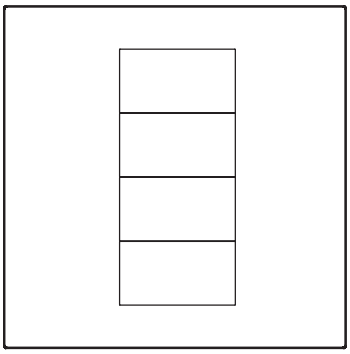
HomeWorks QS Wired Palladiom Bespoke Keypads

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

Bespoke Palladiom keypads feature an unfinished front plate that allows the application of custom metal finishes. Large polymer 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. Bespoke keypads are available with White or Black polymer button kits.

Status of an active button press or scene is indicated through the intensity of the 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-Column Square Style

Model Numbers

See How to Build a Model Number (Keypads).

HomeWorks QS Wired Palladiom Bespoke Keypads

Specifications

Model Numbers	See **How to Build a Model Number** (Keypad Base Units).
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
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 the **Power Draw Units on the QS Link** spec (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 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.
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.
- Faceplate kits require customer-supplied finishing and assembly prior to use. See the **Bespoke Faceplate Assembly Guide** at www.lutron.com for technical details.
- Assembly of the faceplate requires use of a gasket locating fixture. Contact your Lutron Sales Representative to receive a 3D model of the fixture.
- Use the Button Kits to change button 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. Keypad base unit and faceplate kit must be purchased separately.
- IP20 Rating.

HomeWorks QS Wired Palladiom Bespoke Keypads

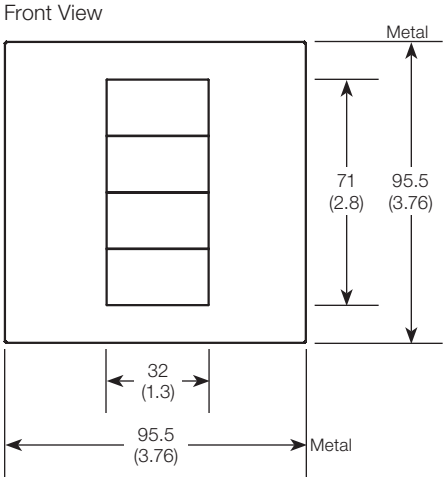
Dimensions *(continued)*

Square Style - Metal Finish

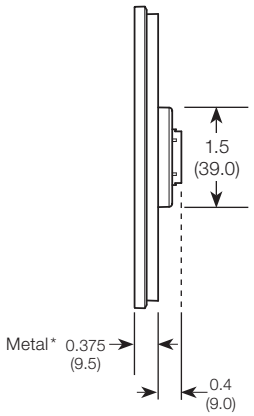
Measurements shown as: mm (in)

1-Column

Front View

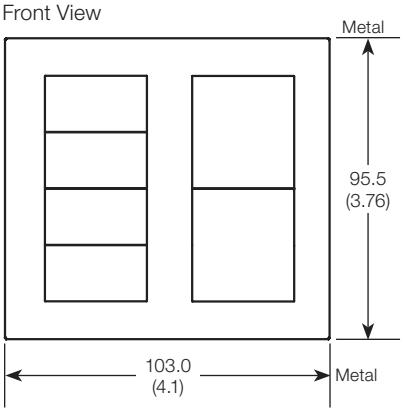


Side View

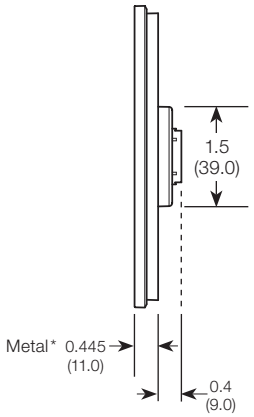


2-Column

Front View



Side View



* Wallbox installation will affect this dimension.

HomeWorks QS Wired Palladiom Bespoke Keypads

How to Build a Model Number

Keypad Base Unit - Custom (Bespoke)

HQWT – B – P2 W – BW – E

System Type
HQWT: HomeWorks QS

Faceplate Options
B: Base Unit without Faceplate

Button Configurations

1-Gang/Column 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

Button Kit Color
Architectural Matte Finishes

BW: Bespoke White
BK: Bespoke Black

Engraving
See **Engraving Options** for more details

E: Predefined custom engraving*

* Customer must provide engraving details at time of order.

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

HomeWorks QS Wired Palladiom Bespoke Keypads

How to Build a Model Number *(continued)*

Button Kits - Custom (Bespoke)

Use Button Kits to change color, button configuration, and engraving. Each Button Kit includes a button assembly. Bespoke Palladiom keypads use standard Palladiom polymer button kits as described below.

PBT – 2 W – WH – E

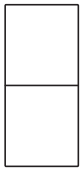
Family
PBT: Palladiom Button Kit

Backlighting
W: White

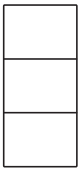
Engraving
See **Engraving Options** for more details
E: Predefined project engraving*
* Customer must provide engraving details at time of order.

Button Configurations
1-Gang/Column
Square Style

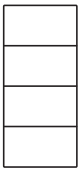
2: 2-Button



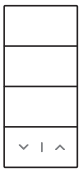
3: 3-Button



4: 4-Button



R: 3-Button with Raise/Lower



Button Kit Color
WH: White
BL: Black

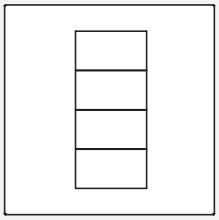
Field Changes

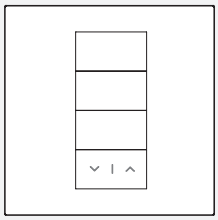
Button engraving changes

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 QS Wired Palladiom Bespoke Keypads

How to Build a Model Number *(continued)*

Faceplate Kits - Custom (Bespoke)

Use Faceplate Kits to change color and ganging. Each Faceplate Kit includes an unfinished faceplate, faceplate finishing components, and faceplate adapters. Faceplates must be finished and assembled, see the **Bespoke Faceplate Assembly Guide** at www.lutron.com for technical details. Assembly of the faceplate requires use of a gasket locating fixture. Contact your Lutron Sales Representative to receive a 3D model of the fixture.

LWT – S – P – BF

Family

LWT: Palladiom Faceplate Kit

Faceplate Options

S: Square Style

Gangs* and Openings

P: 1-gang Palladiom Bespoke Keypad

PP: 2-gang Palladiom Bespoke Keypad

Bespoke Color and Finish

Faceplate finishing will be done by a company of the customer's choosing.

BF: Bespoke Faceplate

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

HomeWorks QS Wired Palladiom Bespoke Keypads

Predefined Custom Engraving

The Palladiom Bespoke Keypad is available with predefined project engraving only. The engraving details must be provided at the time of purchase.

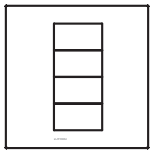
Note: Orders cannot be processed until engraving information is received.

How to Select a Palladiom Bespoke Keypads

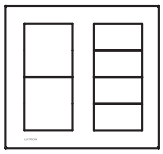
Examples of keypad and faceplate configurations are shown below.

Square Style

Model Number	Quantity	Assembled	Mount
1-Column Keypad			
HQWT-B-P4W-BK-E	1	No*	Square or Round Wallbox
LWT-S-P-BF	1		



2-Column Keypad			
HQWT-B-P24W-BK-E	1	No*	Square or Round Wallbox
LWT-S-PP-BF	1		



3-button configuration not available.

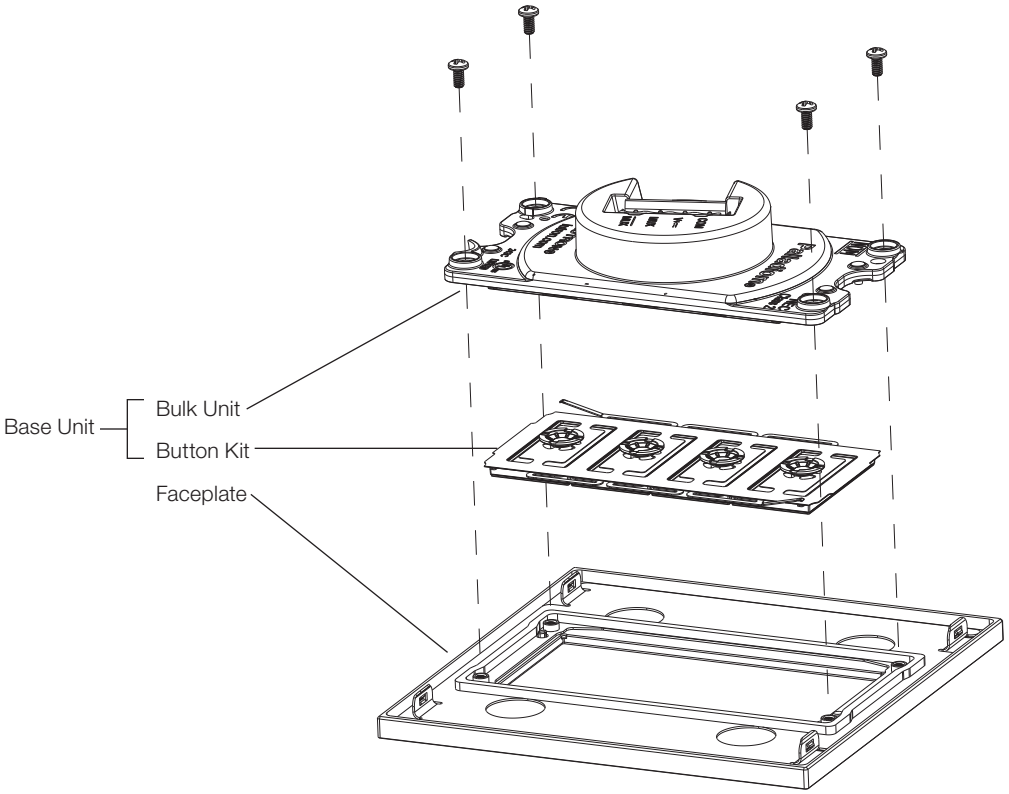
* Model numbers must be ordered as separate pieces and assembled. See **Keypad Assembly**.

HomeWorks QS Wired Palladiom Bespoke Keypads

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.

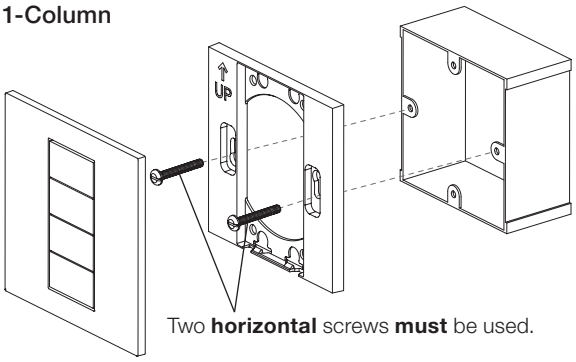


HomeWorks QS Wired Palladiom Bespoke Keypads

Mounting *(continued)*

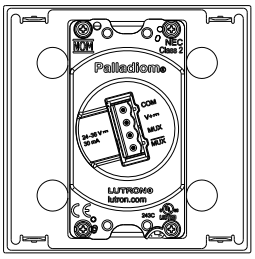
Square Style (Square or Round Wallbox*)

1-Column

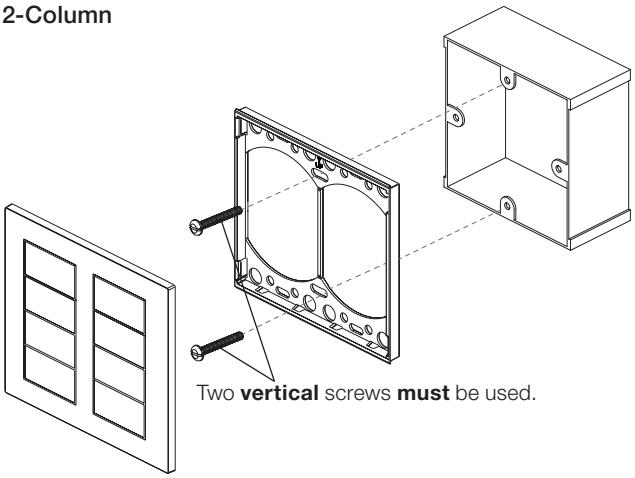


Two **horizontal** screws **must** be used.

Back View

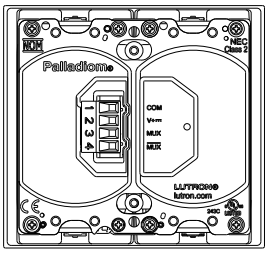


2-Column



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.

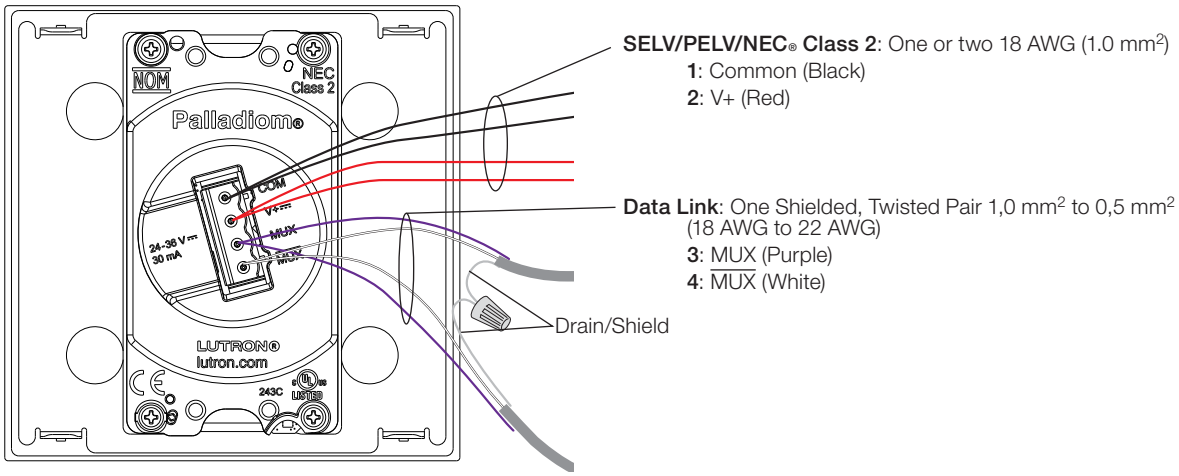
(continued on next page…)

HomeWorks QS Wired Palladiom Bespoke Keypads

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).

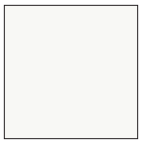
  Note: Use appropriate wire connecting devices as specified by local codes.
- Each base unit model number counts as 1 device on the QS link.
- Each button column of a QS wired Palladiom Keypad consumes 1 power draw unit (PDU) on the QS link. For complete information, see “Power Draw Units on the QS Link” (Lutron P/N 369405).



HomeWorks QS Wired Palladiom Bespoke Keypads

Button Kit Colors

Architectural Matte Finishes



White
WH



Black
BL

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