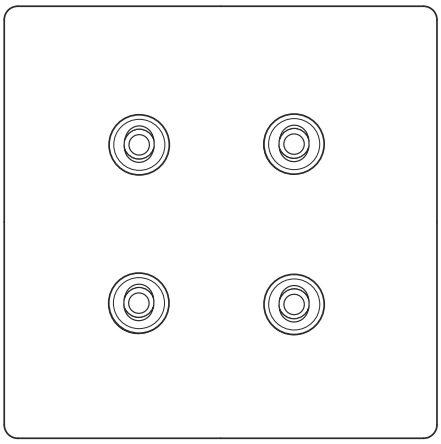
Aviena Keypad

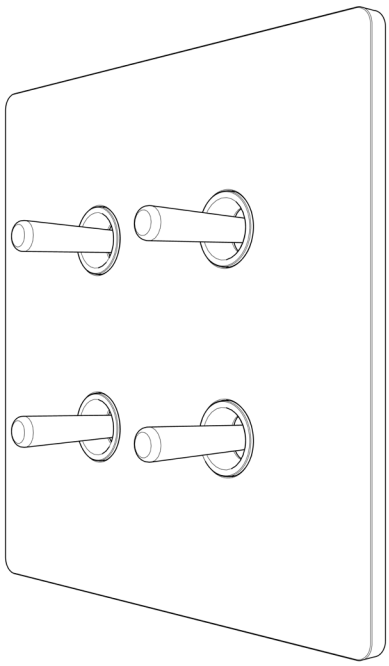
The Aviena keypad allows the user to control lights, shades/draperies, temperature, and third-party equipment. The keypad is designed to work with Lutron HomeWorks QSX series processors through the wired QS link.

Aviena keypads are simple and intuitive, with an evocative heritage design. Center retractable, momentary toggle switches are configurable through the HomeWorks software.



Features

- Faceplate snaps on with no visible means of attachment.
- Optional custom text or icon engraving.
- Simplify programming by having separate functions for a “quick” toggle-switch command vs. an extended (push-&-hold) toggle-switch command
- Includes quick-connect wiring harness to simplify installation.
- Contact closure and wiring harness ship separately so that the system may be programmed before the keypad arrives.



Finishes

See the **Finishes** section at the end of this document.

Customer Assistance:
1.844.LUTRON1 (U.S.A./Canada)
+44(0)20.7702.0657 (UK & Europe)

Aviena Keypad

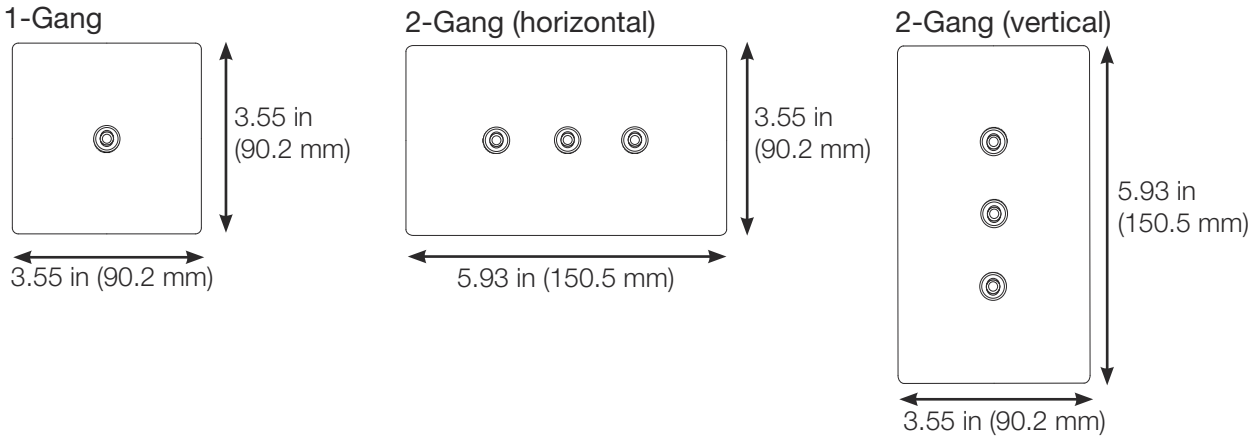
Specifications

Power	Input Power • Operating voltage: 24–36 V⎓ 30 mA (HW-QS-ACI), 20 mA (Keypad) • Low-voltage SELV/PELV/NEC® Class 2 wiring provides power, derived from the QS link. Consumes one Power Draw Unit (PDU). For complete information, see “Power Draw Units on the QS link” (Lutron P/N 369405) at www.lutron.com
Regulatory Approvals	Lutron Quality Systems registered to ISO 9001:2015. cULus, UKCA, CE, NOM, FCC, ICES-003, and RoHS Compliant
Environment	*Ambient operating temperature*: 32 °F to 104 °F (0 °C to 40 °C), 0% to 90% non-condensing relative humidity. Indoor use only. IP20 Rating.
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	*Requires European-style, square/rectangular backboxes*: 1-Gang: 2.95 in H x 2.95 in W (75 mm H x 75 mm W) 2-Gang: 2.95 in H x 5.31 in W (75 mm H x 135 mm W) *Recommended backbox depth is 2.36 in (60 mm)* See **Mounting** on page 10 for more details.
Wiring and Terminals	SELV/PELV/NEC® Class 2 - see pages 7 and 8 for details
Limited Warranty	www.lutron.com/warranty or call 1.844.LUTRON1 for a printed copy.

Aviena Keypad

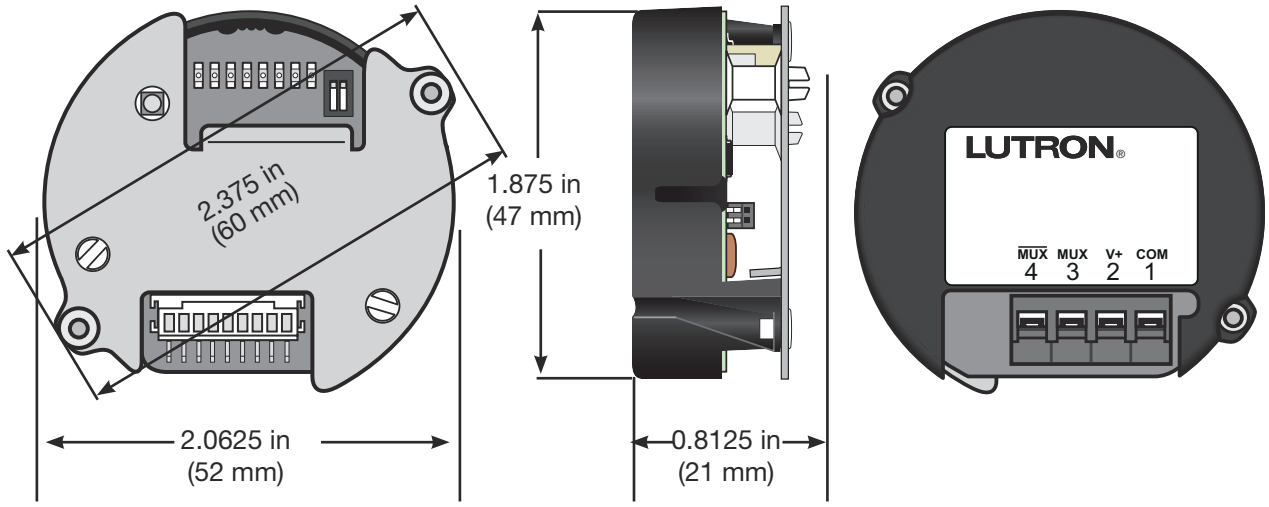
Dimensions

Keypad



Closure Interface

Front View **Side View** **Back View**

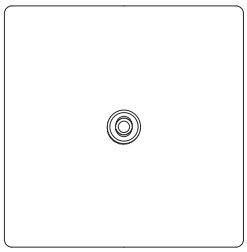


Customer Assistance:
1.844.LUTRON1 (U.S.A./Canada)
+44(0)20.7702.0657 (UK & Europe)

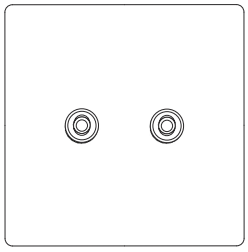
Aviena Keypad

Configurations

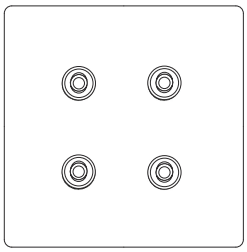
1-Gang Configurations



1-Toggle

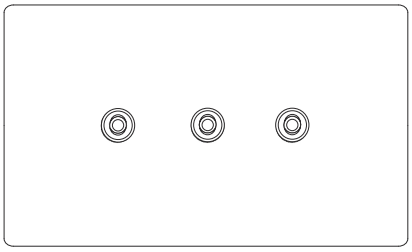


2-Toggle

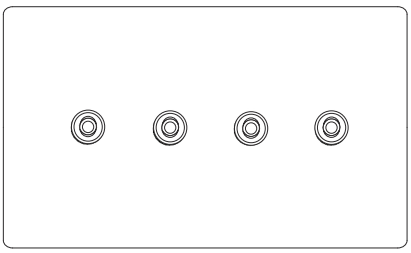


4-Toggle

2-Gang (Horizontal) Configurations

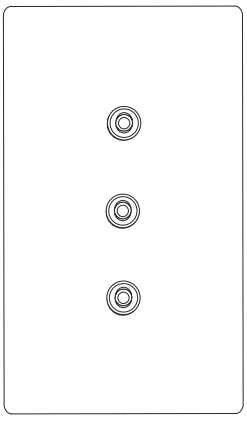


3-Toggle



4-Toggle

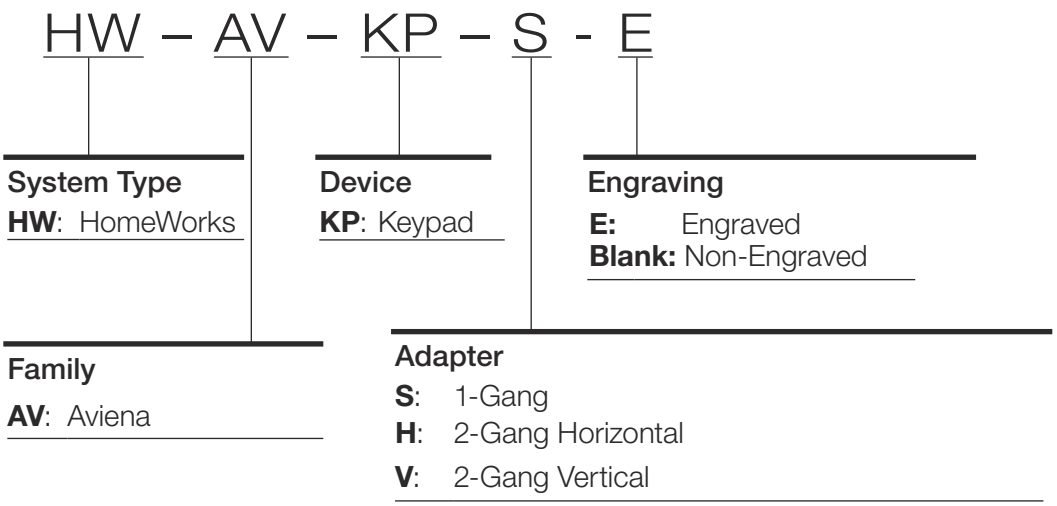
2-Gang (Vertical) Configurations



3-Toggle

Aviena Keypad

Model Numbers



Notes:

a. Configurations (number of switches) and metal finishes to be specified in myProjects.

b. Contact closure input (HW-QS-ACI) is added in myProjects and is not sold separately.

Aviena Keypad

Engraving Options



The Aviena keypad has engraving options ideal for many scenarios.

Predefined Custom Engraving

Engraving to be specified in myProjects.

One icon or line of text is available above and below each switch in each configuration. Engraving must be defined at time of order.

Note: Keypad orders cannot be manufactured until engraving information is received.

No Engraving

No engraving is for instances when the customer would like to maintain the clean look of the keypad. To specify this option, leave the engraving code of the keypad model number blank.

Engraving Ink

Standard

Every Aviena keypad finish has a specific engraving ink that is chosen to compliment the finish while also allowing the engraving to be readable.

Enhanced Readability

Aged Aviena keypad finishes (Bronze and Brass) offer two engraving ink options. One that provides higher contrast for “Enhanced Readability” and a “Standard” that is more subtle. The aged finish engraving ink option is chosen when configuring the product using “Backfill Contrast” in myProjects.

Aviena Keypad

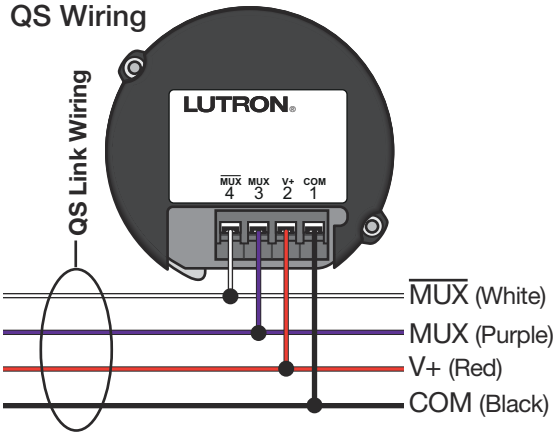
QS Link Wiring

- 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 backbox.
- The total length of wire on a QS wired link is not to exceed 2000 ft (610 m).
- Each base unit model number counts as 1 device on the QS link.
- Each base unit of a QS wired Aviena 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

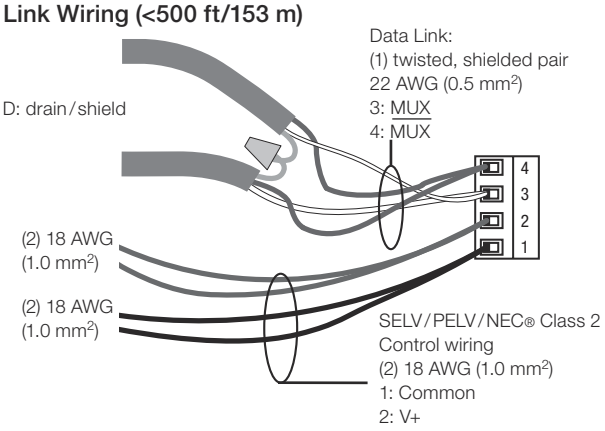
  Note: Use appropriate wire connecting devices as specified by local codes.

QS Link Wiring

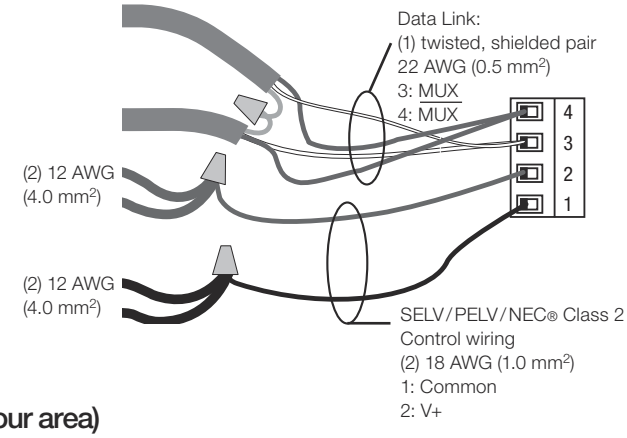
QS Wiring



Link Wiring (<500 ft/153 m)



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

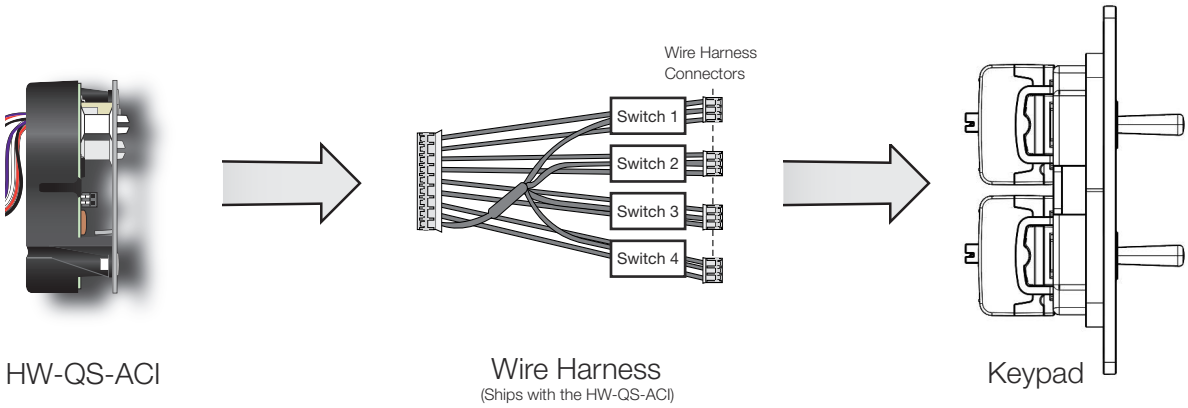


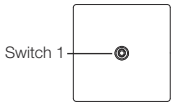
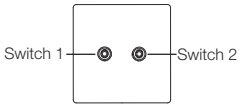
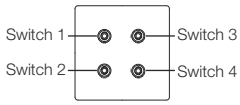
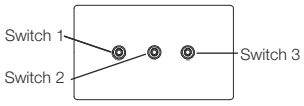
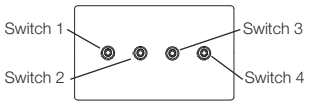
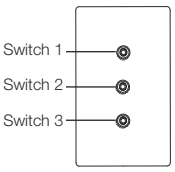
QS Link Wire Sizes **(check compatibility in your area)**

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)	QS-CBL-LSZH (low-smoke zero halogen) 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 ft to 2000 ft (153 m 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)	

Aviena Keypad

Keypad Wiring



Configuration	Diagram of which wire harness connector attaches and programs to which switch
1-Gang 1-Toggle	
1-Gang 2-Toggle	
1-Gang 4-Toggle	
2-Gang (Horizontal) 3-Toggle	
2-Gang (Horizontal) 4-Toggle	
2-Gang (Vertical) 3-Toggle	

Customer Assistance:
1.844.LUTRON1 (U.S.A./Canada)
+44(0)20.7702.0657 (UK & Europe)

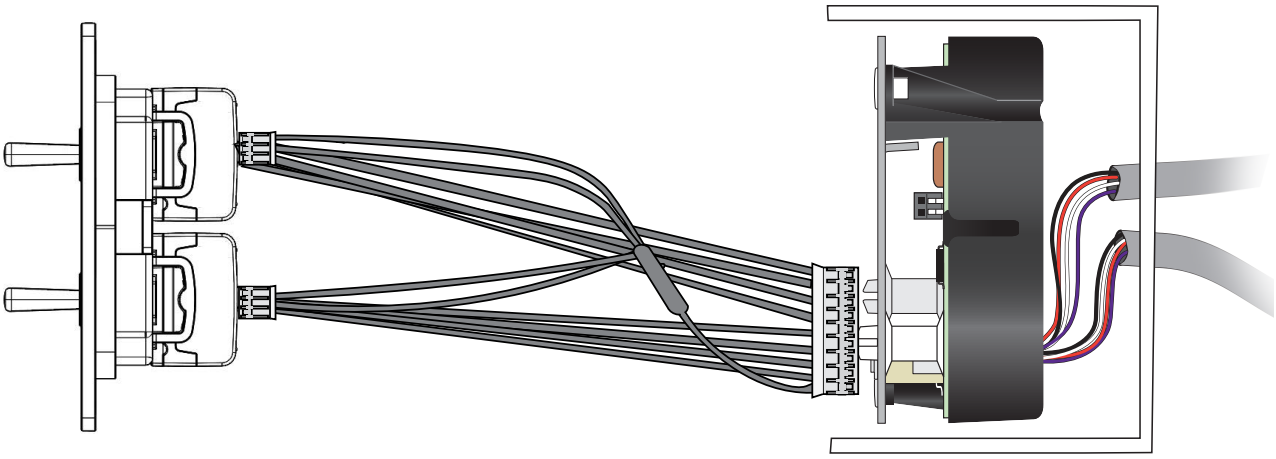
Aviena Keypad

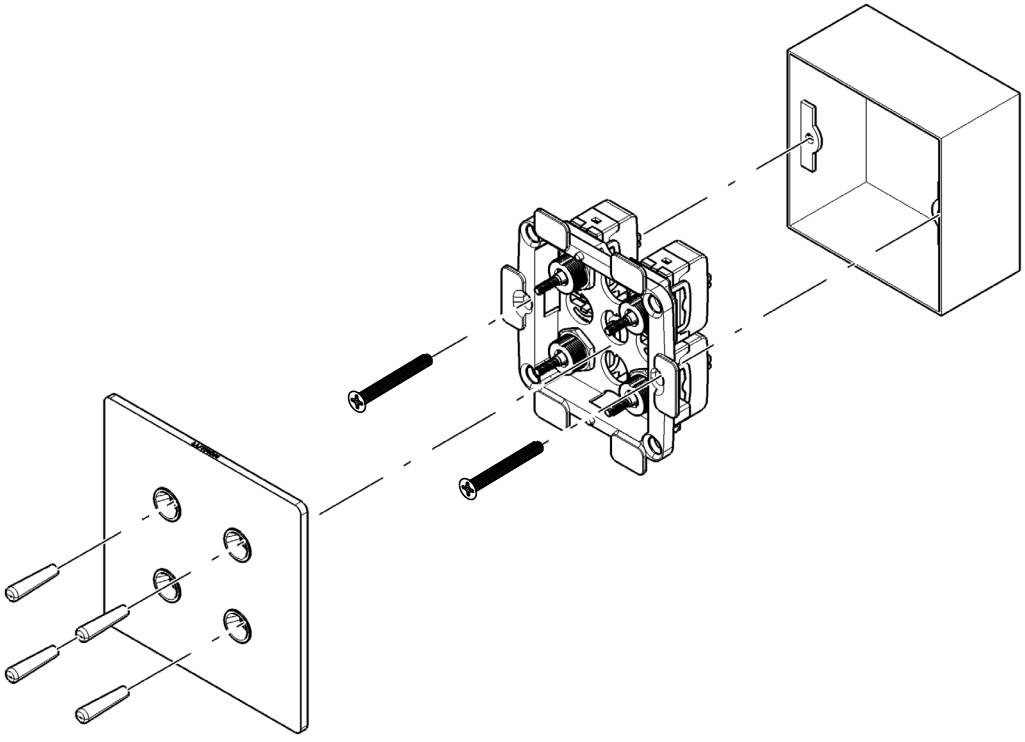
Mounting

Requires European-style, square/rectangular backboxes:
1-Gang: 2.95 in H x 2.95 in W (75 mm H x 75 mm W)
2-Gang: 2.95 in H x 5.31 in W (75 mm H x 135 mm W)
Recommended backbox depth is 2.36 in (60 mm)

Custom backboxes are available for both 1-gang and 2-gang configurations:
1-Gang: EBB-1-SQ-LV
2-Gang: EBB-1-TW-LV

A flangeless backbox is recommended for the most flush installation possible. Backboxes must be installed with the sides flush with or slightly inset to the wall surface.





Customer Assistance:
1.844.LUTRON1 (U.S.A./Canada)
+44(0)20.7702.0657 (UK & Europe)

Aviena Keypad

Finishes


Aged Brass
AB


Aged Bronze
AZ


Brushed Brass
BRB

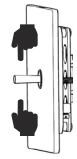
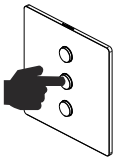
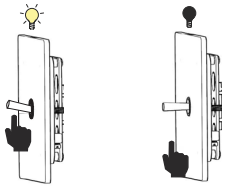
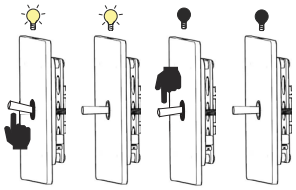
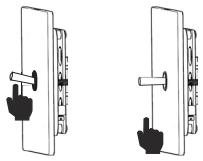
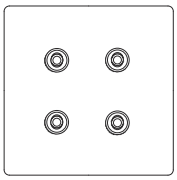
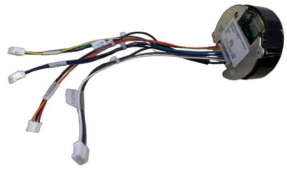

Satin Nickel
SN


Bright Chrome
BC

- Aged Brass and Aged Bronze finishes produce a unique variation in both the hue and the graining. There will be natural variation from unit to unit.
- Due to printing limitations, finishes shown cannot be guaranteed to perfectly match actual product colors.
- Keychains are available for more precise matching:
  - Signature Metal Chip Kit Demo: SM-CK-DEMO

Aviena Keypad

Terms & Definitions

Toggle Switch	A type of switch activated by pushing up or down (NOT INTO the keypad).	
Button Switch	A type of switch activated by pushing it INTO the keypad. Note that button-switches are NOT part of the Aviena product offering.	
Momentary Switch	A type of switch that is activated while pushed; then deactivated when released.	
Latched Switch	A type of switch that is activated when pushed, and remains activated when released (until pushed again). Latched switches are NOT part of the Aviena product offering.	
Center Retractable Switch	A type of switch that returns to its original position when released.	
Keypad	A device containing switches that communicates to a system. In Aviena, the keypad contains center retractable, momentary, toggle switches that connect to a CCI.	
Contact Closure Input (CCI)	A digital input that detects when a switch is activated. In Aviena, the CCI ships separately from the keypad, connects to the keypad via an included wiring harness, and communicates to a HomeWorks QSX system via the wired QS link.	

Lutron, Aviena, HomeWorks, and any related trade dress and logos are trademarks or registered trademarks of Lutron Electronics Co., Inc. in the US and/or other countries.

All other product names, logos, and brands are property of their respective owners.