RadioRA 3 Sunnata Keypads

RadioRA 3 Sunnata keypads provide homeowners with a simple and elegant way to operate lights, shades / draperies, motorized screens, and many other devices.

Sunnata keypads feature large, easy-to-use buttons. LED bars on each button aid in locating the buttons in low light conditions. Keypads are available in a variety of finishes allowing the color to complement the aesthetics in a space.

Keypad markings are important for programming and use of the keypads when installed. The marking color has been chosen for increased readability. Default markings are provided as a standard while custom-personalization button kits can be designed to describe its programming and redeemed using the Lutron Designer software.

Personalized replacement button kits can be changed in the field, after installation. This allows for the keypad to be changed to a variety of finishes, colors, button configurations and personalized markings.
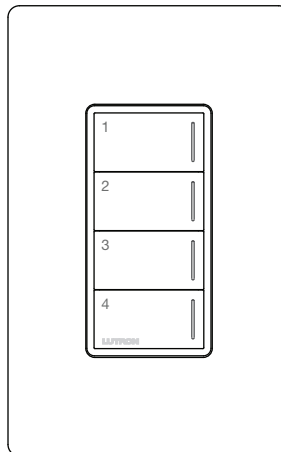
Use with Lutron Designer (Claro) wallplates. Wallplates are sold separately. Lutron Claro wallplates snap on with no visible means of attachment.
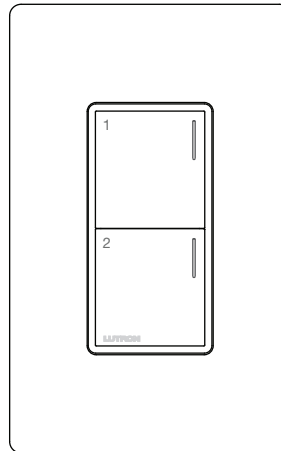
RRST-W2B
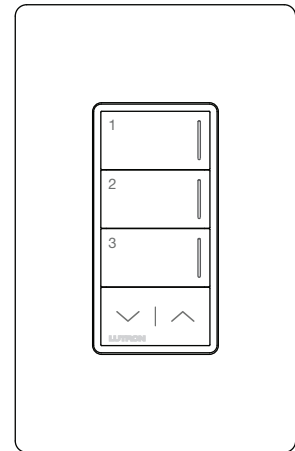
RRST-W3RL

RRST-W4B

Model Numbers

RRST-W2B-XX*	2-Button Keypad (default marking)
RRST-W3RL-XX*	3-Button Keypad with Raise / Lower (default marking)
RRST-W4B-XX*	4-Button Keypad (default marking)
STBK-W**	Replacement Button Kit

* "XX" in the model number represents color/finish code. See **Colors and Finishes** at end of document.

** See page 5 for specification information.

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

RadioRA 3 Sunnata Keypads

Specifications

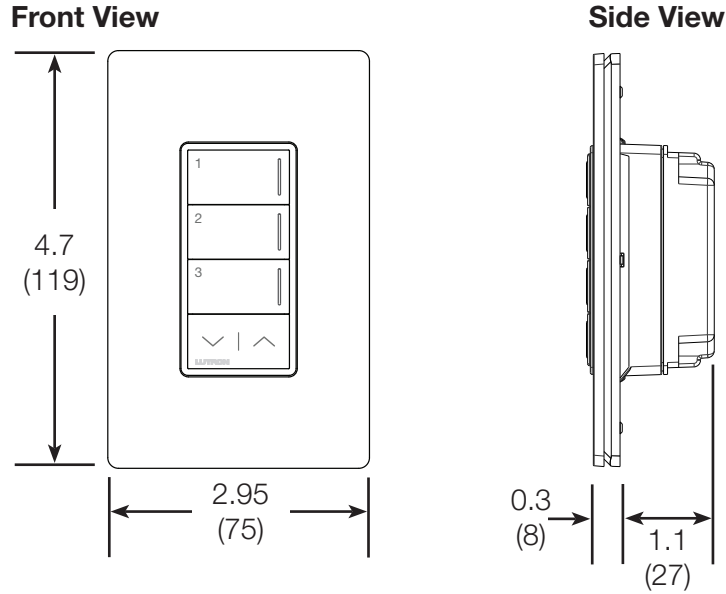|	
Model Numbers	**Keypads:** RRST-W2B, RRST-W3RL-XX , RRST-W4B **Replacement Button Kits:** STBK-W
Power	120 – 277 V∼ 50 / 60 Hz 0.25 A
Typical Power Consumption	0.25 W, 1.5 W Max Test conditions: All LEDs on, constant transmission
Regulatory Approvals	cULus, NOM, FCC, IC, IFT
Environment	Ambient operating temperature: 32 °F to 104 °F (0 °C to 40 °C), 0% to 90% humidity, non-condensing. Indoor use only.
Communications	Keypads communicate with the system through Clear Connect–Type X Radio Frequency (RF) and must be located within 75 ft (22.8 m) of a centrally located RadioRA 3 processor. Each Sunnata keypad should have at least two other non-battery powered Clear Connect–Type X devices within 25 ft (7.6 m). Clear Connect–Type X devices include the RadioRA 3 processor, Sunnata dimmers, Sunnata switches, and other Sunnata keypads. Companion dimmers / switches are not Clear Connect–Type X devices. System devices operate on a frequency of 2.4 GHz.
ESD Protection	Tested to withstand electrostatic discharge without damage or memory loss, in accordance with IEC 61000-4-2.
Surge Protection	Tested to withstand surge voltages without damage or loss of operation, in accordance with IEEE C62.41-1991 "Recommended Practice on Surge Voltages in Low-Voltage AC Power Circuits".
Power Failure	Power failure memory: Should power be interrupted, the keypad will return to its previous state when power is restored.
Mounting	Requires a U.S. wallbox. 3 ½ in (89 mm) deep recommended, 2 ¼ in (57 mm) deep minimum.
Wiring	RadioRA 3 Sunnata keypads require a 120 – 277 V∼ hot and neutral wire connection.
Warranty	1-Year Limited Warranty www.lutron.com/TechnicalDocumentLibrary/warranty.pdf

Design Features

- At the press of a single button, lights fade ON or OFF to desired levels and shades/draperies open or close to desired positions.
- Light levels and shade/drapery positions can be fine-tuned by pressing and holding the raise / lower buttons.
- Programmable to select scene or room preset levels or positions.
- Adjustable status LED intensity through system level programming.

- Configurable raise/lower selection using programming software.
  – Last button pressed (default) - devices controlled by the last button pressed will raise / lower.
  – Double-tap - devices controlled by a double-tapped button will raise /lower.
  – Programmed devices - only the devices programmed to the button will raise/lower.
- Keypads include one credit redeemable for a single custom personalized replacement button kit through the Lutron Designer software*.

* To see additional personalization options, please visit engraving.lutron.com/sunnata.

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RadioRA 3 Sunnata Keypads

Dimensions

All dimensions are shown as in (mm)

Front View

4.7
(119)

2.95
(75)

Side View

0.3
(8)

1.1
(27)

Mounting and Parts Identification

Keypad Mounting Screws

Button Membrane

Buttons

Wallplate Adapter

Wallplate adapter and wallplate purchased separately

Wallbox

Replacement Button Kit

Keypad

Wallplate

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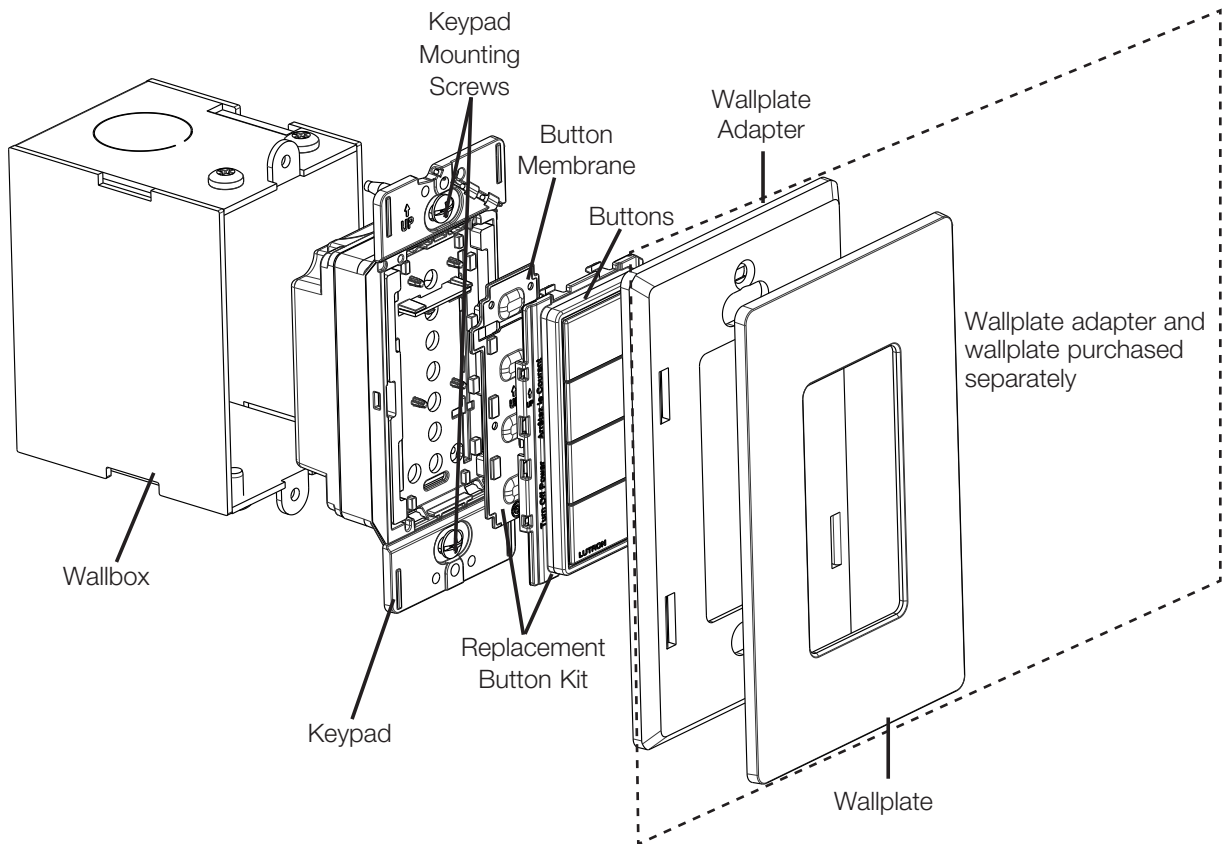
RadioRA 3 Sunnata Keypads

Operation

Status LEDs
Show which keypad button has been activated.
Pressed (active) button LEDs are brighter than other buttons.*

Keypad Buttons
Press to activate desired levels or positions.

Raise/Lower Buttons
Press to raise/lower desired levels.
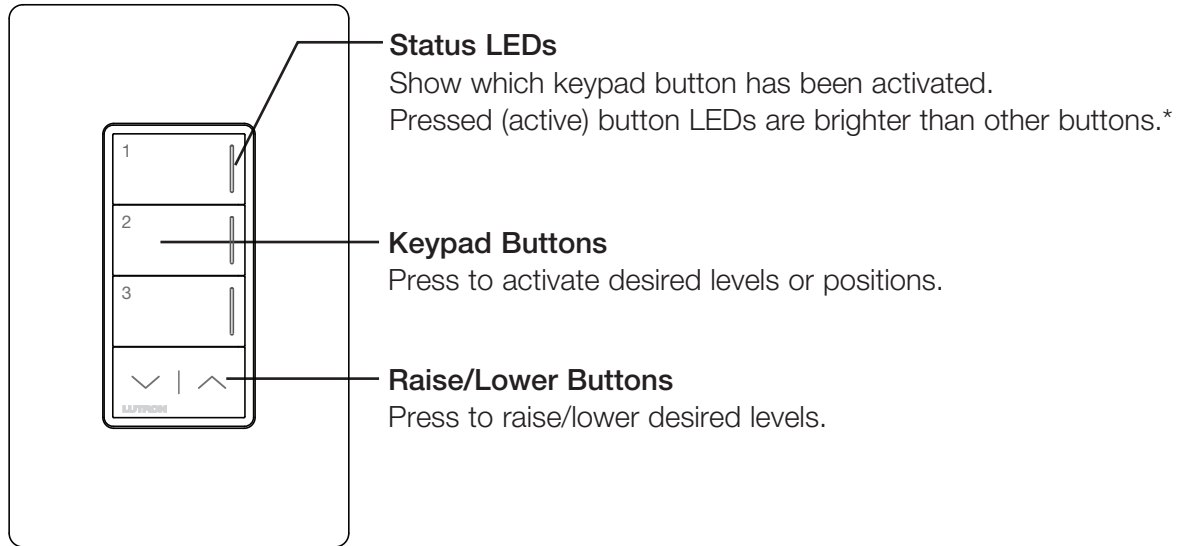
* This behavior is programmable in the system software.

Wiring Diagram

Insert and twist to tighten

Hot/Live

Black

Bare

Ground

Neutral
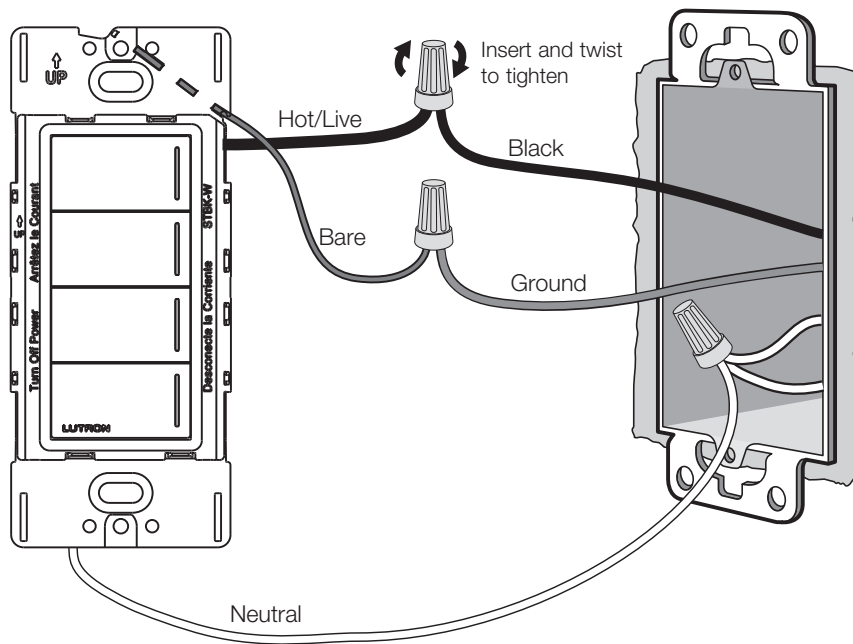
RadioRA 3 Sunnata Keypads

Keypad Selection Guide

Component
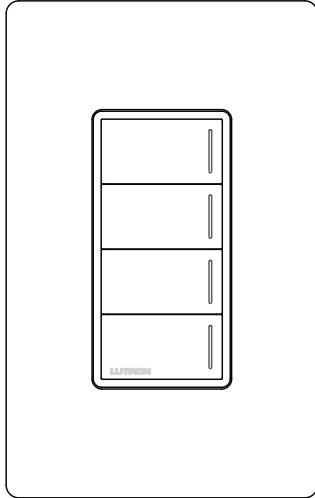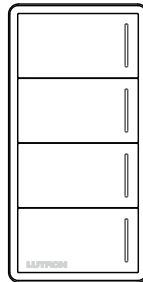
Keypad   Button Kit only

Button Configuration
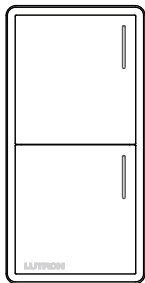
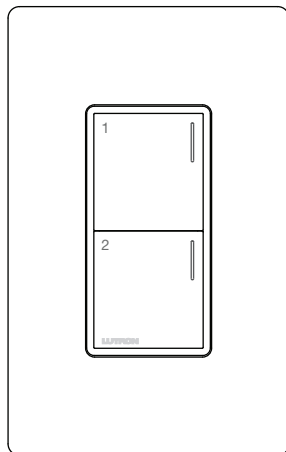2-Button   3-Button with   4-Button
             Raise/Lower
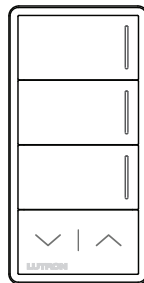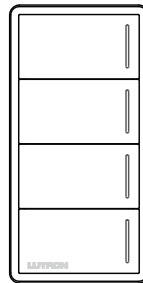
RadioRA 3 Sunnata Keypads

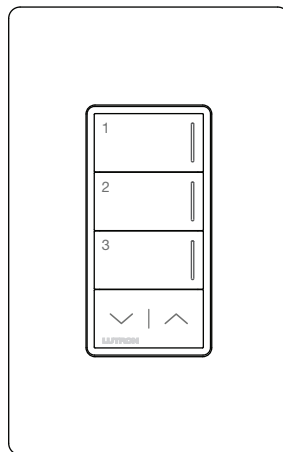### Keypad Selection Guide (continued)

Button Text / Icons
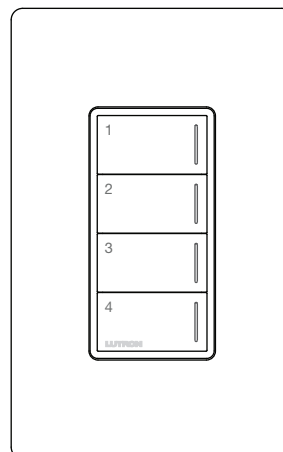
Lutron Defined (default) (Keypad only)

Default marking icons shown below. These keypad models include a redeemable personalization credit for ordering a custom-personalized button kit at a later time through the Lutron Designer software.

RRST-W2B   RRST-W3RL   RRST-W4B

Personalized (Replacement Button Kits only)

Final personalization to be specified in myProjects. Visit engraving.lutron.com/sunnata for personalization options. Personalization must be defined at the time of order.

Note: Button Kit orders cannot be manufactured until printing personalization is received.

RadioRA 3 Sunnata Keypads

Colors and Finishes
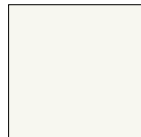
Gloss Finishes

White
WH

Ivory
IV

Light
Almond
LA

Black
BL

Satin Finishes

Brilliant White
BW

Glacier White
GL

Snow
SW

Architectural
White
RW

Lunar Gray
LG

Mist
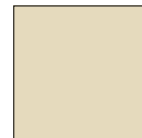MI

Pebble
PB

Cobblestone
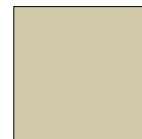CS

Slate
SL

Midnight
MN

Biscuit
BI

Sand
SD

Taupe
TP

Pumice
PM

Clay
CY

Sage
SA

Espresso
EP

Truffle
TF

Deep Sea
DE

Signal Red
SR

- Due to personalization limitations, colors and finishes shown cannot be guaranteed to perfectly match actual product colors.
- Color chip keychains are available for more precise color matching:
  Gloss Finishes- DG-CK-1
  Satin Finishes - SF-CK-1
  For coordinating wallplates and accessories, visit lutron.com/claro

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