

RadioRA 2 Visor Controls

RadioRA 2 Visor Controls allow lights, shades/draperies, and other equipment to be controlled from the car with just a touch of a button on a Visor Control Transmitter or a HomeLink® compatible visor control. Up to ten (10) Transmitters can be used with a Visor Control Receiver.

The Receiver provides two (2) Contact Closure Inputs (CCI) for integration with other systems and one (1) CCI for security systems. The CCIs can be configured to accept maintained or momentary contact closures. The security input is always a maintained CCI.

The Receiver also has four (4) maintained or momentary Contact Closure Outputs (CCO) to control up to four (4) garage doors or motorized gates.

Pre-printed and blank labels are included with the Visor Controls for naming scenes or buttons on both the Receiver and the Transmitter.

Model Numbers

RR-VCRX-WH*	Visor Control Receiver
LR-3B-H-SW**	Visor Control Transmitter

*Only available in White (WH).

**Only available in Snow (SW).



RR-VCRX-WH
Visor Control Receiver



LR-3B-H-SW
Visor Control Transmitter



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RadioRA 2 Visor Controls

Specifications

Model Numbers	RR-VCRX-WH, LR-3B-H-SW
Power	Receiver: 9 V $\overline{=}$ 300 mA DC adapter: Input: 120 V \sim 60 Hz 6.5 W Output: 9 V $\overline{=}$ 300 mA Transmitter: 6 V $\overline{=}$ 10 mA (2 - CR2032, included – 10 year lifetime)
Typical Power Consumption	1.6 W Test conditions: two LEDs on (two presets active), powered by the 9 V $\overline{=}$ adapter supplied, no CCOs or CClIs active.
Regulatory Approvals	DC adapter: UL Listed for U.S. and Canada, NOM Receiver/Transmitter: FCC, IC, COFETEL
Environment	Receiver: Ambient operating temperature: 32 °F to 140 °F (0 °C to 60 °C), 0% to 90% humidity, non-condensing. Indoor use only. Transmitter: Ambient operating temperature: -40 °F to 235 °F (-40 °C to 113 °C), 0%-90% humidity, non-condensing. Meets the Society of Automotive Engineers (SAE) temperature standards.
Communications	Visor Controls communicate with the system through Radio Frequency (RF). The Receiver must be located within 30 ft (9 m) of a Repeater. The typical operating distance between a Receiver and a Transmitter is 150 ft (46 m).
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.
Mounting	Mount Receiver on a wall, ceiling, or level surface using the two #6 (M3) screws provided. Clip Transmitter to a vehicle's visor.
Connections	2 Contact Closure Inputs, 1 security input, and 4 momentary or maintained Contact Closure Outputs.
Warranty	1 Year Limited Warranty. http://www.lutron.com/resiinfo

Design Features

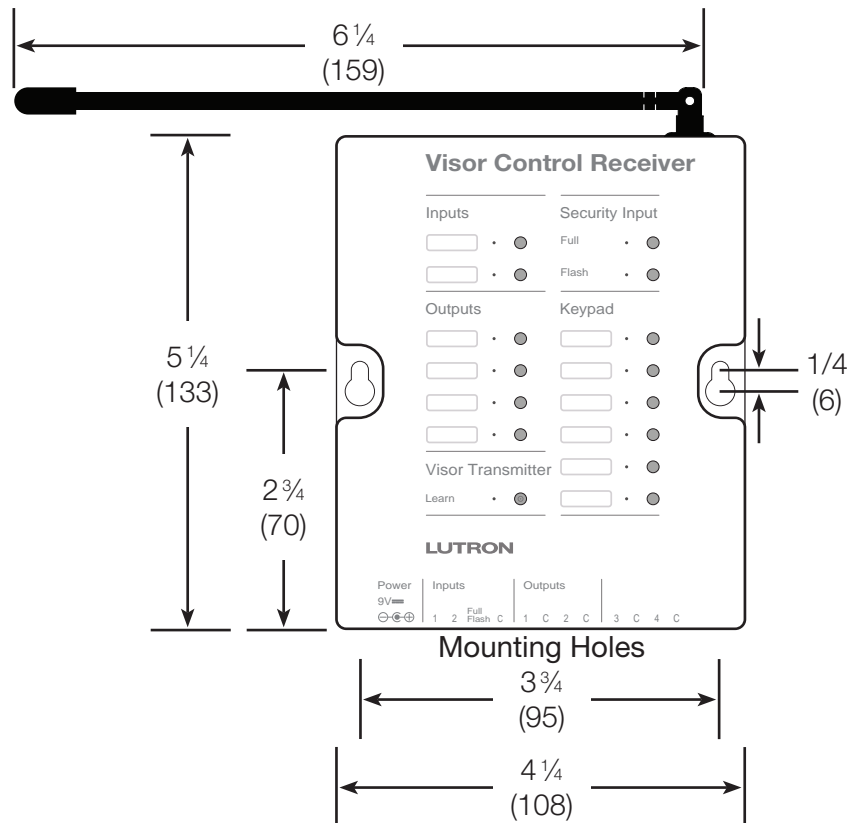
- Each output can be controlled locally at the Receiver or remotely by a Transmitter or keypad button.
- The Receiver 'Keypad' or 'Inputs' buttons can be programmed to light and shades/draperies.
- Full or Flash security options.
- The Transmitter can remotely control the 'Keypad', 'Security Input', and 'Outputs' buttons on the Receiver.

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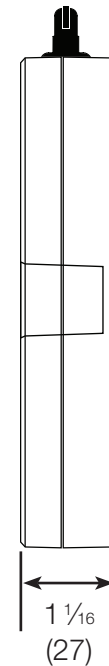
Dimensions

All dimensions are shown as $\frac{\text{in}}{\text{(mm)}}$

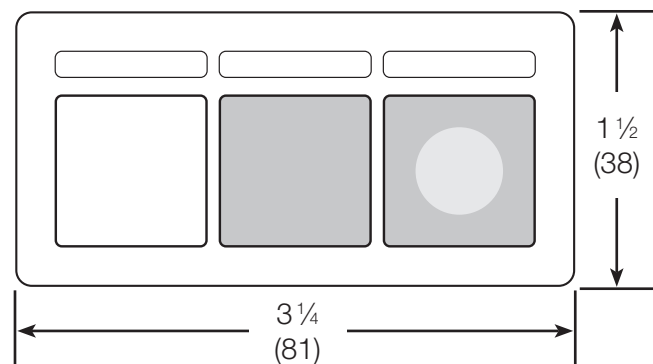
Receiver (Front)



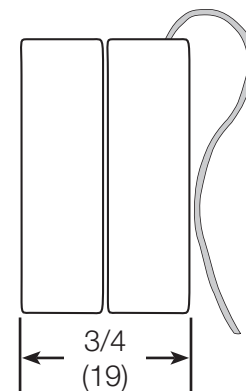
Receiver (Side)



Transmitter (Front)



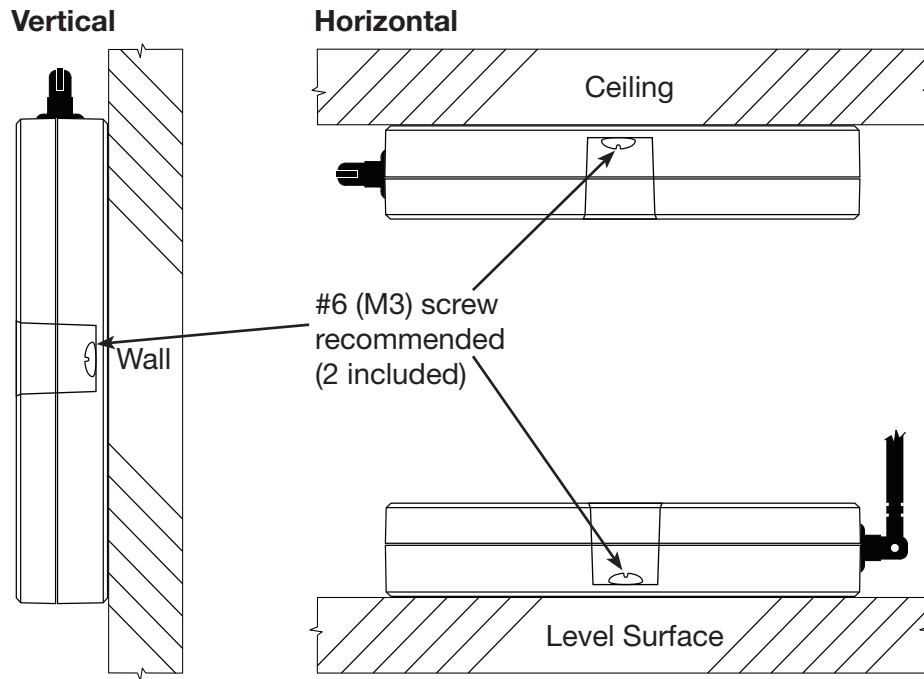
Transmitter (Side)



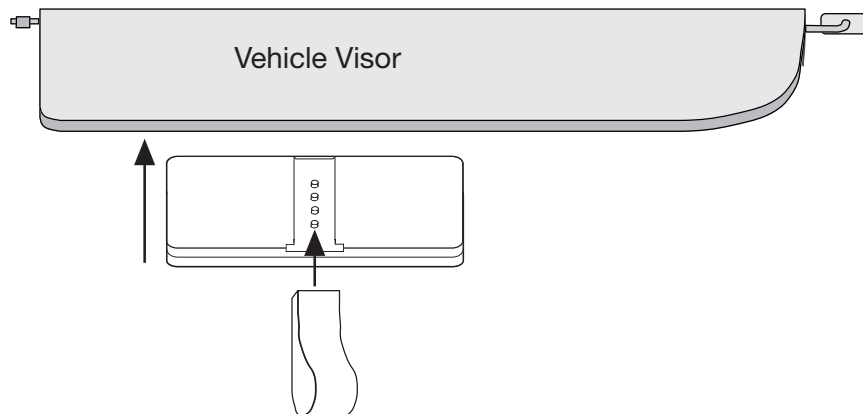
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Mounting

Receiver



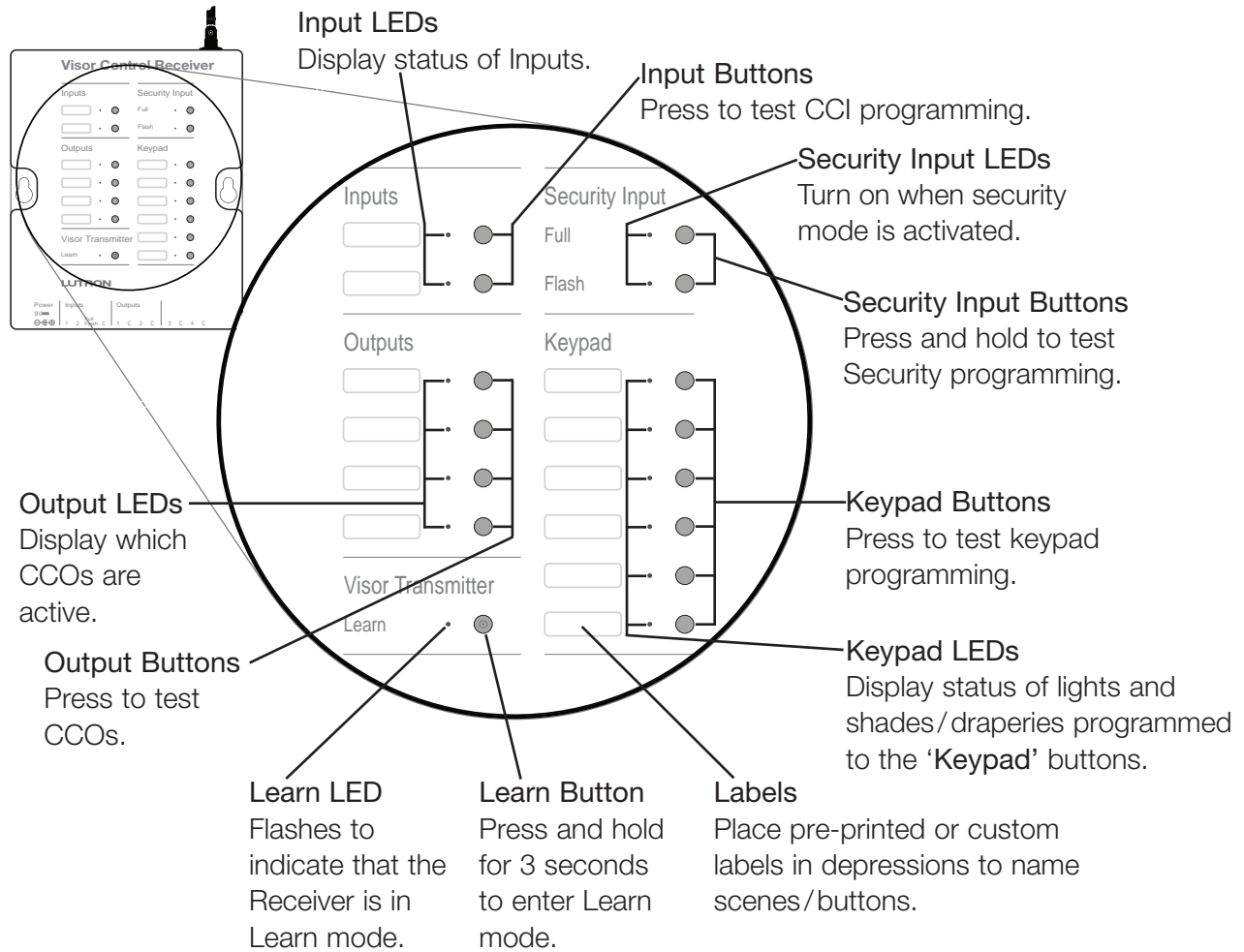
Transmitter



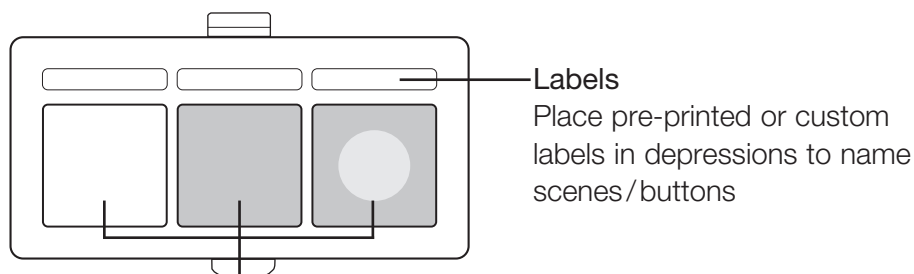
RadioRA 2 Visor Controls

Operation

Receiver



Transmitter



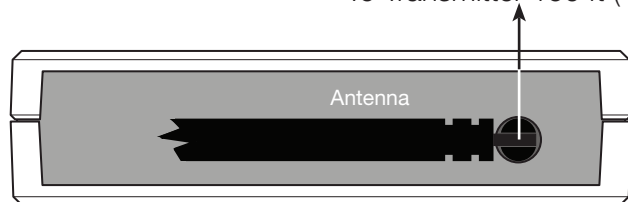
Visor Control Transmitter Buttons
Press to activate functions remotely.

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Connections

Receiver (Top)

RF range:
To repeater 30 ft (9 m)
To Transmitter 150 ft (46 m)



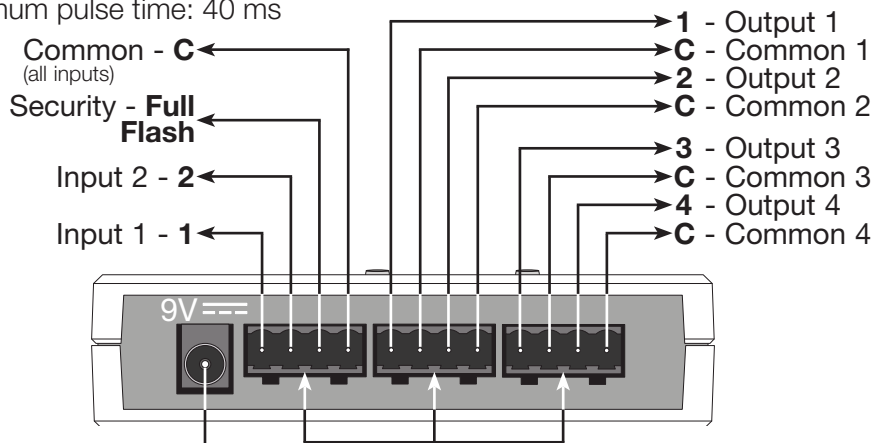
Receiver (Bottom)

Contact Closure Inputs (CCI)

Dry contacts only.
ON saturation: <math><1 V_{DC}</math> at 2 mA
OFF leakage: <math><1 \mu A</math> at 9 V_{DC}
Minimum pulse time: 40 ms

Contact Closure Outputs (CCO)

Max Voltage / Current: See **Relay Contact Ratings** below.
Listed Class 2 / Certified PELV
Minimum close time: 500 ms



Power Jack (to adapter)
Model: T120-9DC-3-BL
(NEC® Class 2/IEC PELV)
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Contact Closure Terminal Blocks
Use NEC® Class 2/PELV cable
Maximum 1000 ft (305 m)
Each terminal holds up to one 16 AWG (1.0 mm²)
or two 18 AWG (0.75 mm²) or smaller wire.

Relay Contact Ratings

Voltage	Resistive Load	Inductive Load
Up to 30 V _{DC}	1 A	0.2 A
Up to 30 V _{AC}	1 A	0.1 A
Up to 60 V _{DC}	0.5 A	Do not use.

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Wiring Diagram

