

## 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

<b>Model Numbers</b>	RR-VCRX-WH, LR-3B-H-SW
<b>Power</b>	Receiver: 9 V $\equiv$ 300 mA DC adapter: Input: 120 V $\sim$ 60 Hz 6.5 W Output: 9 V $\equiv$ 300 mA Transmitter: 6 V $\equiv$ 10 mA (2 - CR2032, included – 10 year lifetime)
<b>Typical Power Consumption</b>	1.6 W Test conditions: two LEDs on (two presets active), powered by the 9 V $\equiv$ adapter supplied, no CCOs or CClIs active.
<b>Regulatory Approvals</b>	DC adapter: UL Listed for U.S. and Canada, NOM Receiver/Transmitter: FCC, IC, COFETEL
<b>Environment</b>	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.
<b>Communications</b>	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).
<b>ESD protection</b>	Tested to withstand electrostatic discharge without damage or memory loss, in accordance with IEC 61000-4-2.
<b>Surge Protection</b>	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.
<b>Mounting</b>	Mount Receiver on a wall, ceiling, or level surface using the two #6 (M3) screws provided. Clip Transmitter to a vehicle's visor.
<b>Connections</b>	2 Contact Closure Inputs, 1 security input, and 4 momentary or maintained Contact Closure Outputs.
<b>Warranty</b>	1 Year Limited Warranty. <a href="http://www.lutron.com/resiinfo">http://www.lutron.com/resiinfo</a>

### Design Features

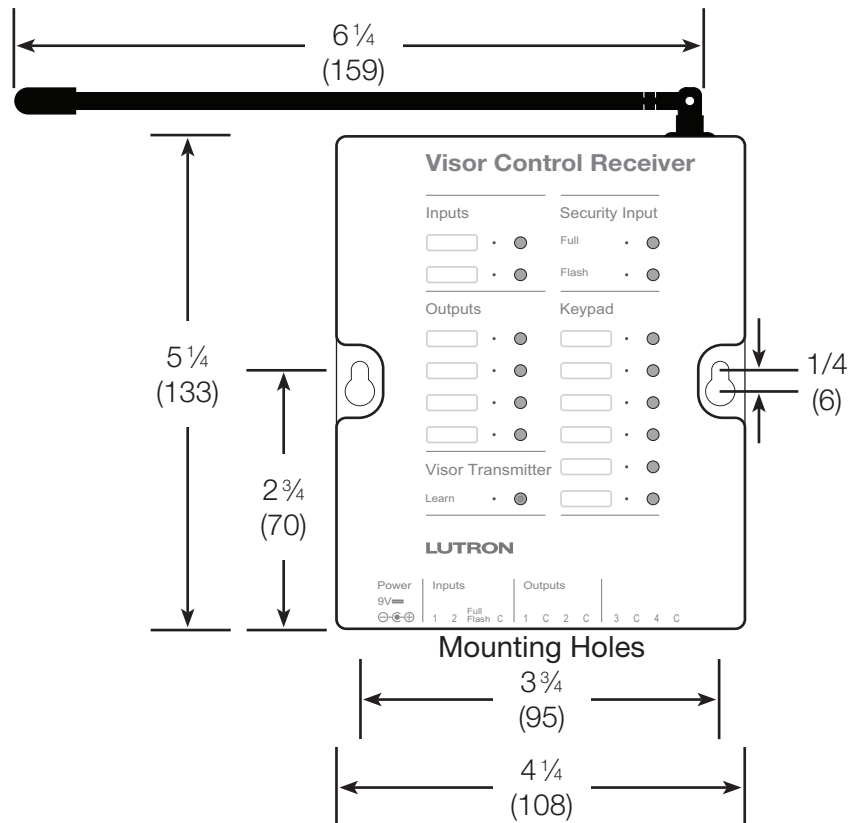
- Each output can be controlled locally at the Receiver or remotely by a Transmitter or keypad button.
- The Receiver 'Keypad' or 'Inputs' buttons can be programmed to light and shades/draperies.
- Full or Flash security options.
- The Transmitter can remotely control the 'Keypad', 'Security Input',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

## RadioRA 2 Visor Controls

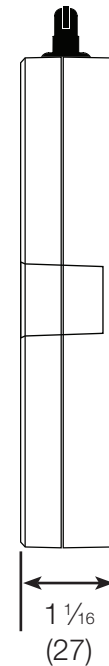
### Dimensions

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

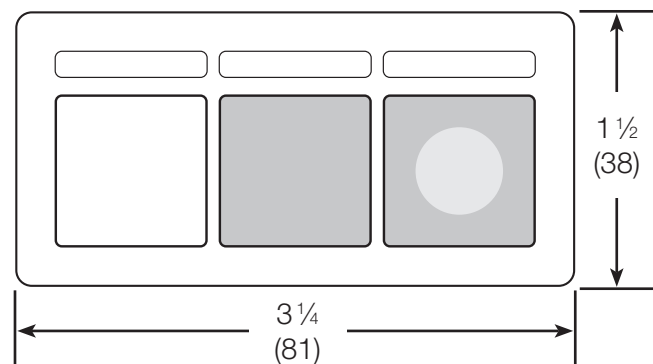
**Receiver (Front)**



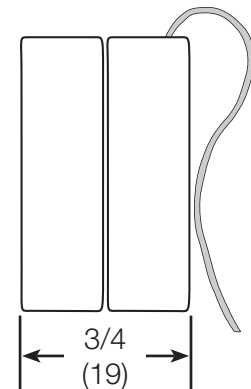
**Receiver (Side)**



**Transmitter (Front)**



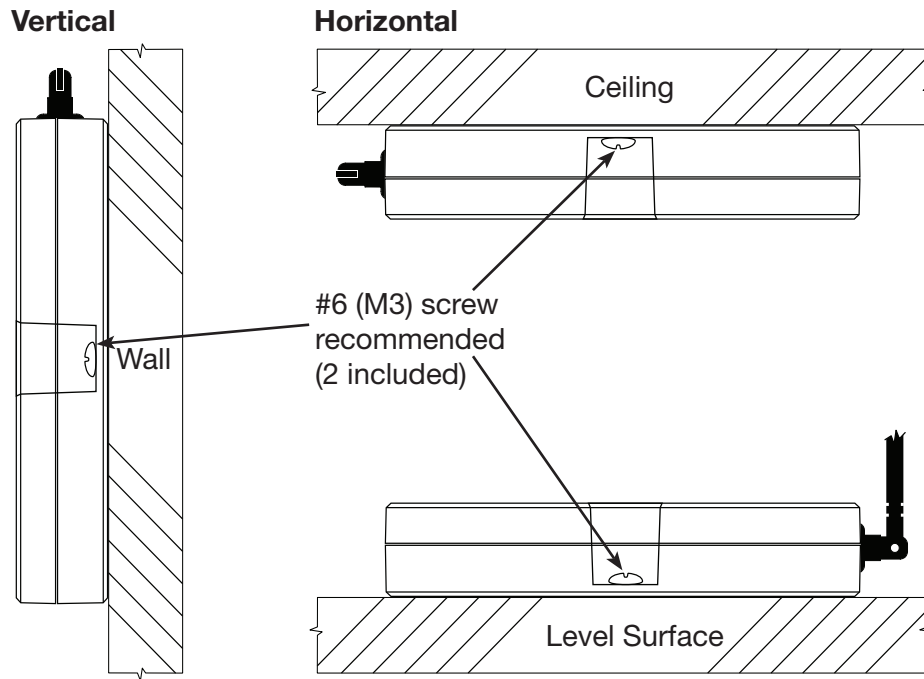
**Transmitter (Side)**



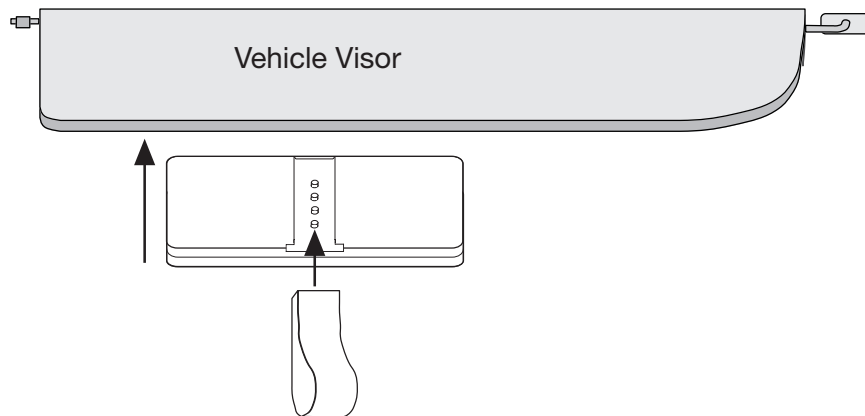
## RadioRA 2 Visor Controls

### Mounting

#### Receiver



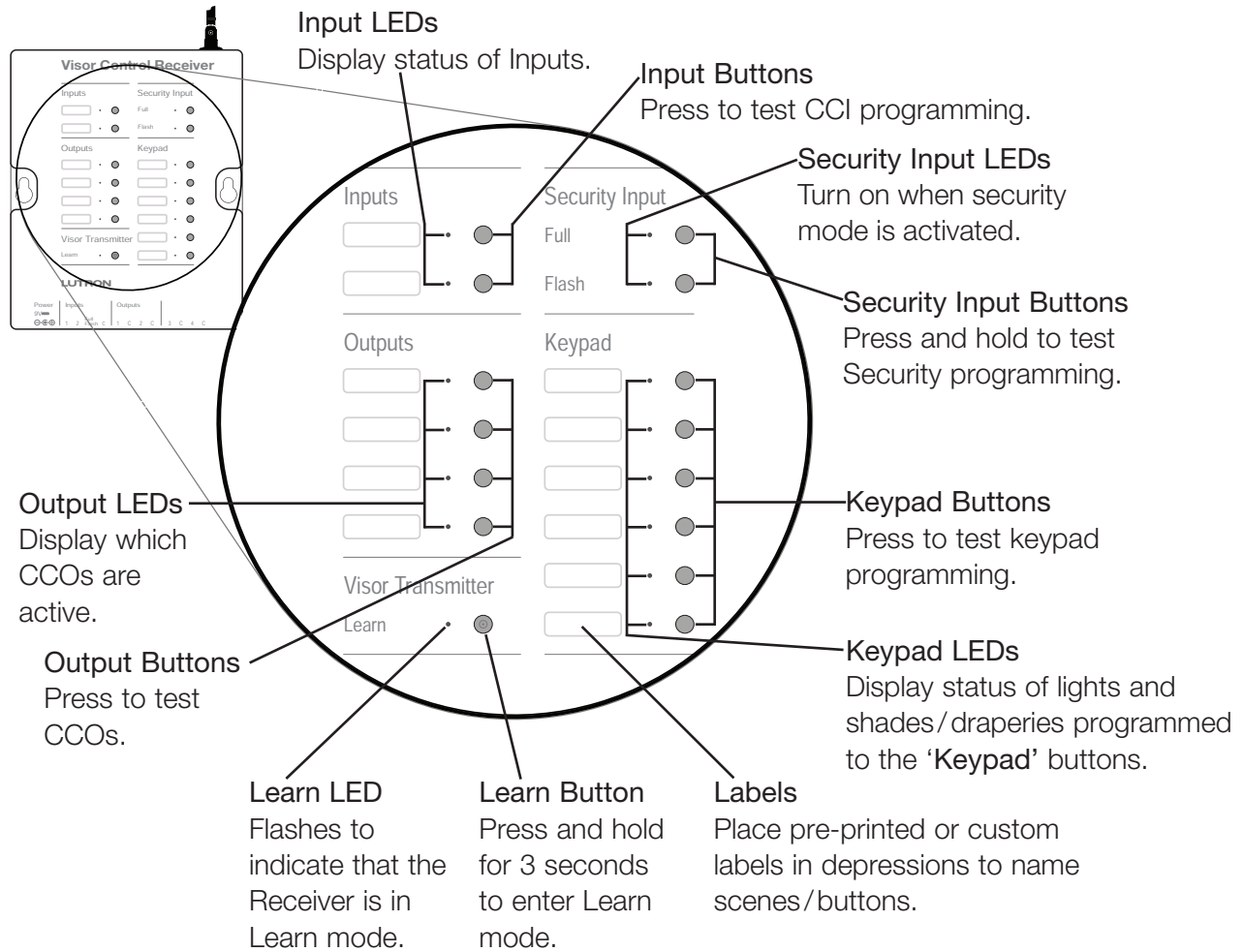
#### Transmitter



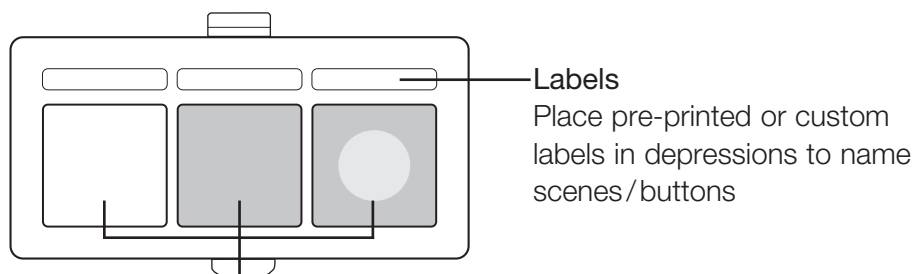
## RadioRA 2 Visor Controls

### Operation

#### Receiver



#### Transmitter

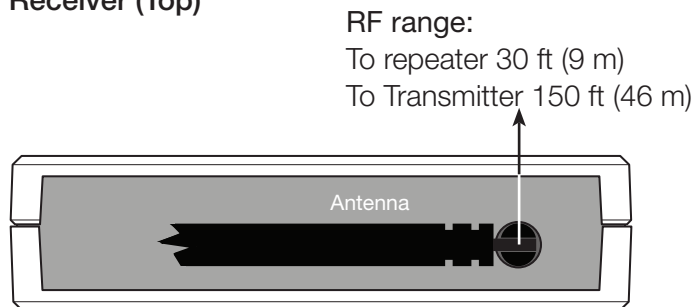


**Visor Control Transmitter Buttons**  
Press to activate functions remotely.

## RadioRA 2 Visor Controls

### Connections

#### Receiver (Top)



#### 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<sub>DC</sub>

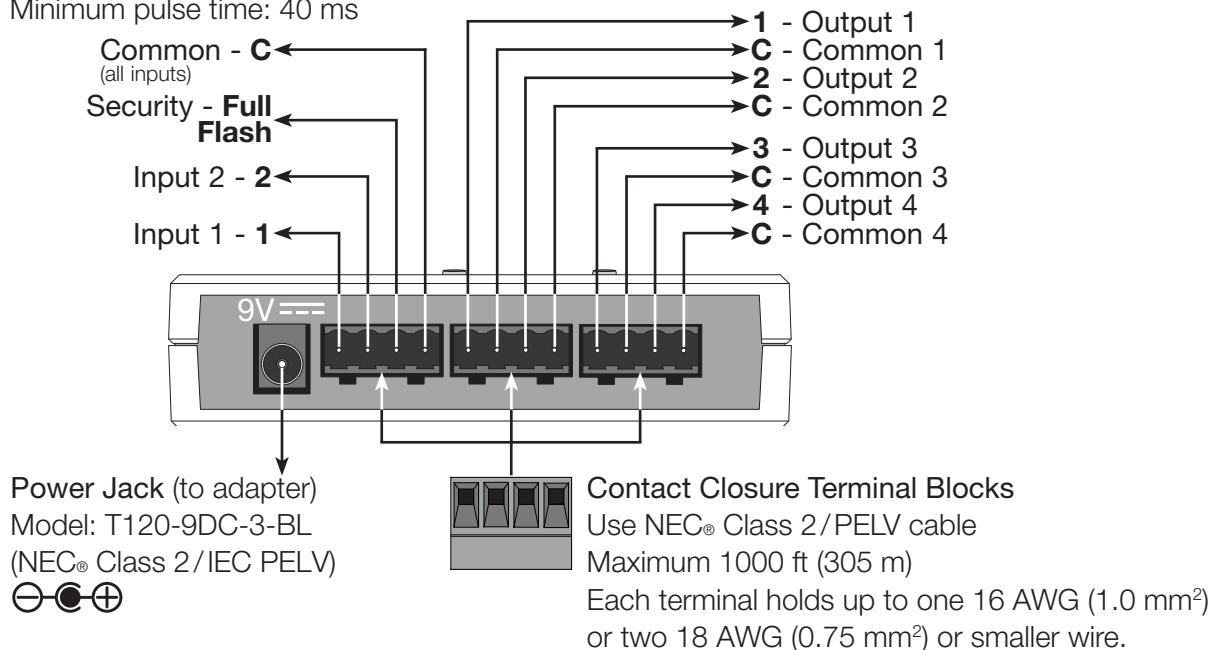
Minimum pulse time: 40 ms

##### Contact Closure Outputs (CCO)

Max Voltage / Current: See **Relay Contact Ratings** below.

Listed Class 2 / Certified PELV

Minimum close time: 500 ms



#### Relay Contact Ratings

Voltage	Resistive Load	Inductive Load
Up to 30 V <sub>DC</sub>	1 A	0.2 A
Up to 30 V <sub>AC</sub>	1 A	0.1 A
Up to 60 V <sub>DC</sub>	0.5 A	Do not use.

## RadioRA 2 Visor Controls

### Wiring Diagram

