

HomeWorks QS Visor Controls

The HomeWorks QS 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

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

*Only available in White (WH).

**Only available in Snow (SW).



*HQR-VCRX-WH
Visor Control Receiver*



*LR-3B-H-SW
Visor Control Transmitter*



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HomeWorks QS Visor Controls

Specifications

Model Numbers	HQR-VCRX-WH, LR-3B-H-SW
Power	Receiver: 9 V DC 300 mA DC adapter: Input: 120 V AC 60 Hz 6.5 W Output: 9 V DC 300 mA Transmitter: 6 V DC 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 DC adapter supplied, no CCOs or CCI 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 Transmitter and a Receiver 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	8 Year Limited Warranty. http://www.lutron.com/resiinfo

Design Features

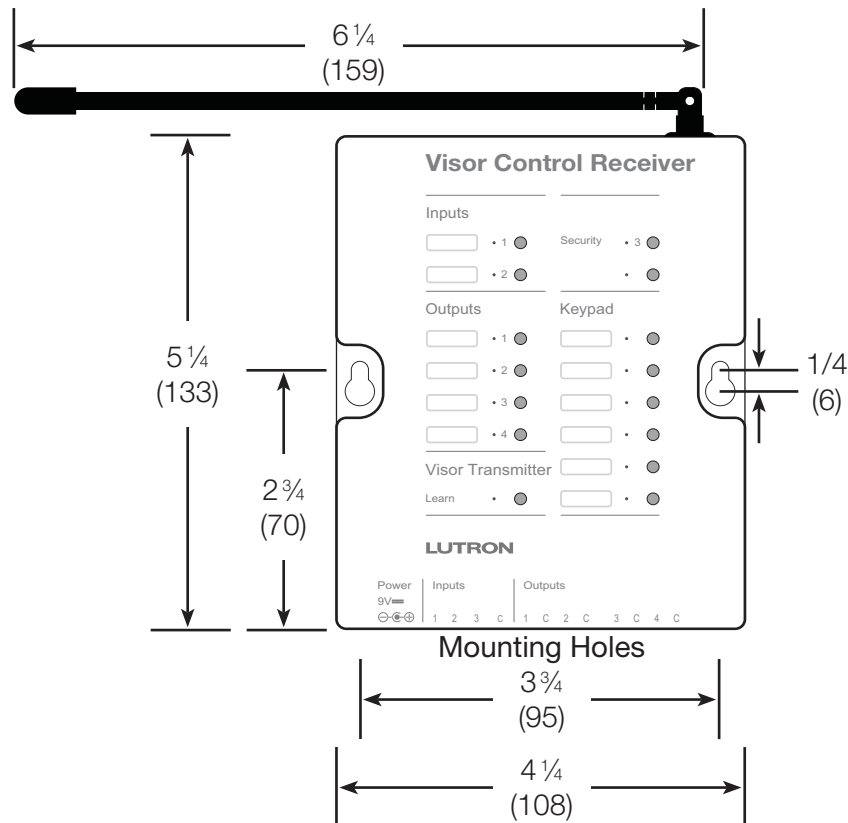
- Each output can be controlled locally at the Receiver or remotely by a Transmitter or keypad button.
- The Receiver 'Keypad' or 'Inputs' buttons can be programmed to lights and shades/draperies.
- The Transmitter can remotely control the 'Keypad', 'Security Input', and 'Outputs' buttons on the Receiver.

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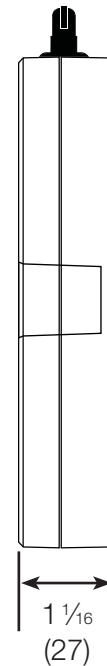
Dimensions

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

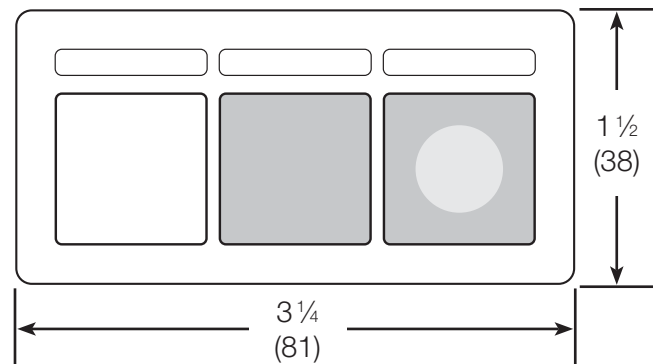
Receiver (Front)



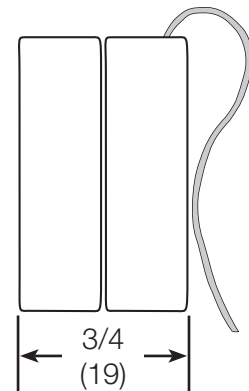
Receiver (Side)



Transmitter (Front)



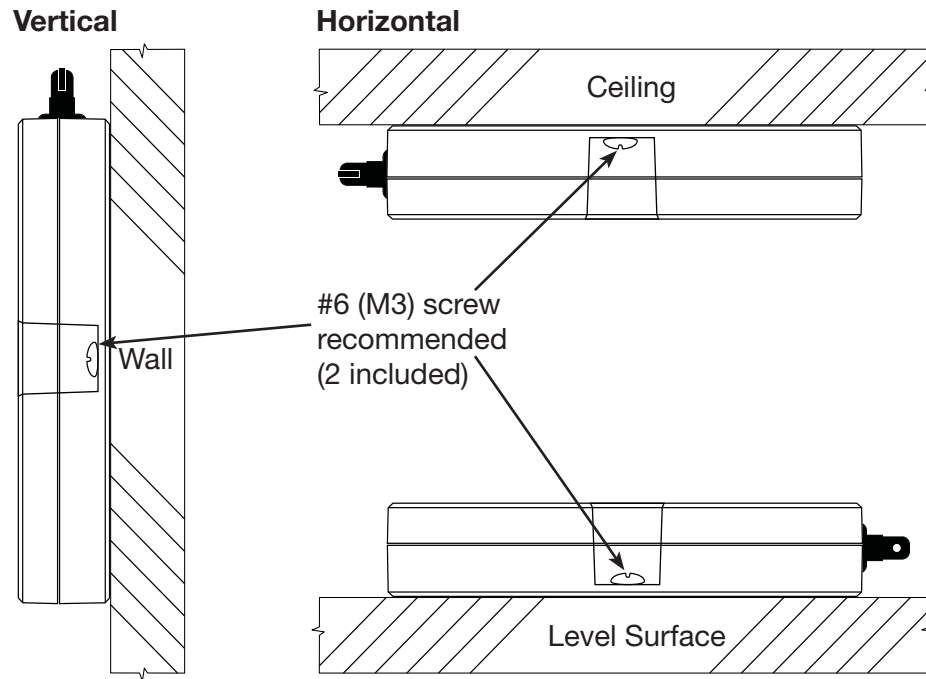
Transmitter (Side)



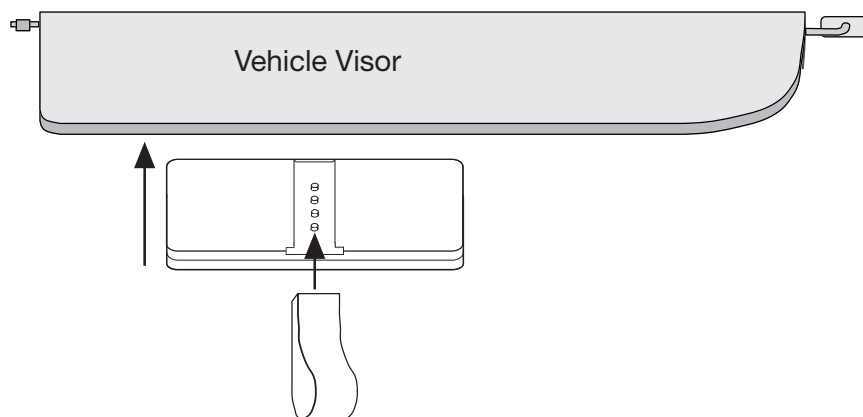
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Mounting

Receiver



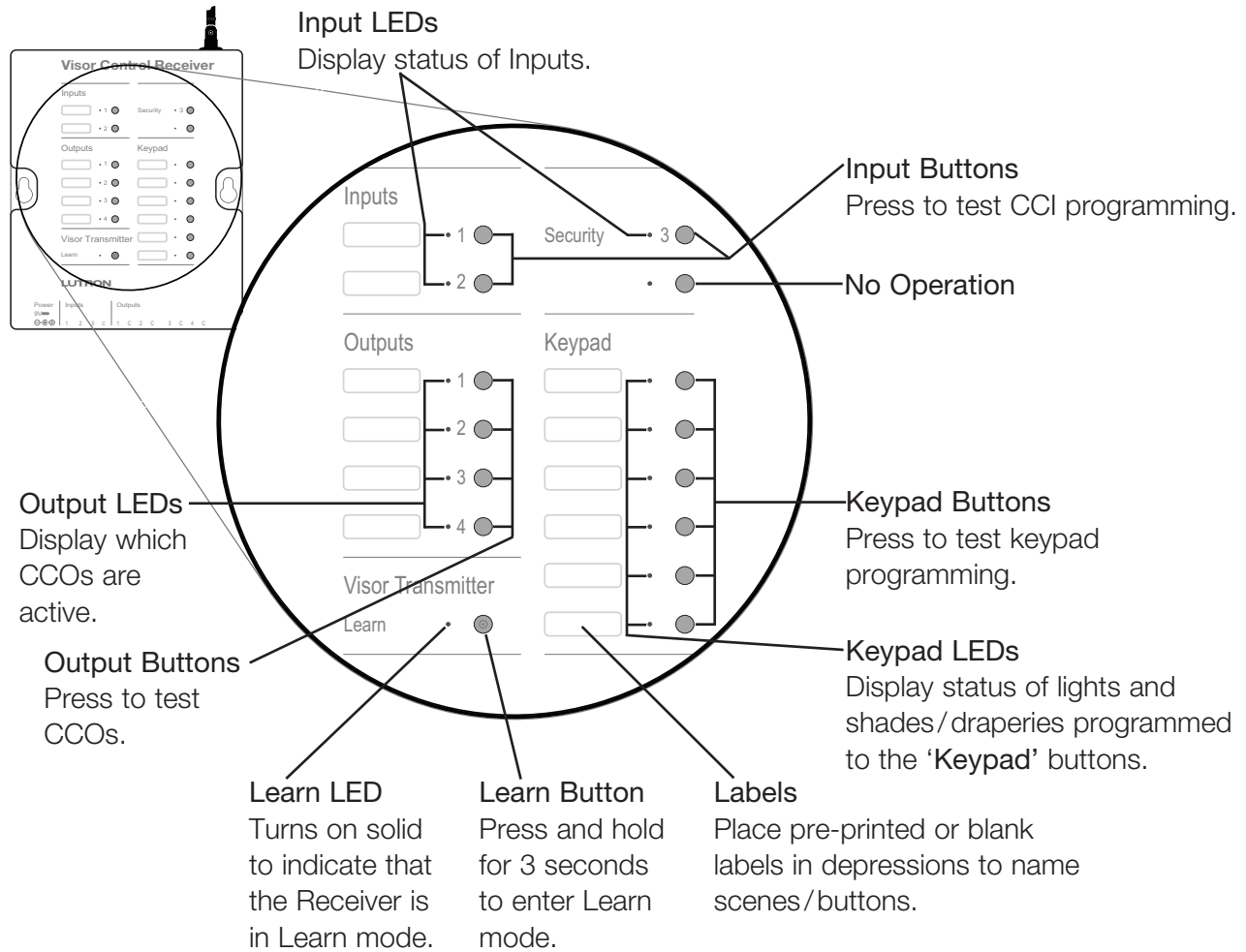
Transmitter



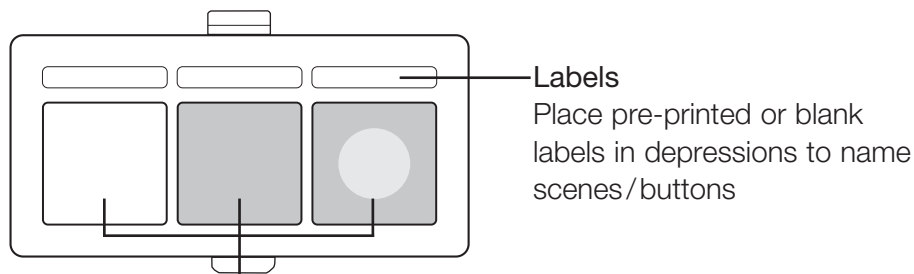
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Operation

Receiver



Transmitter

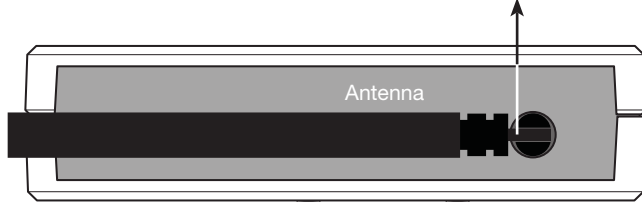


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Connections

Receiver (Top)

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



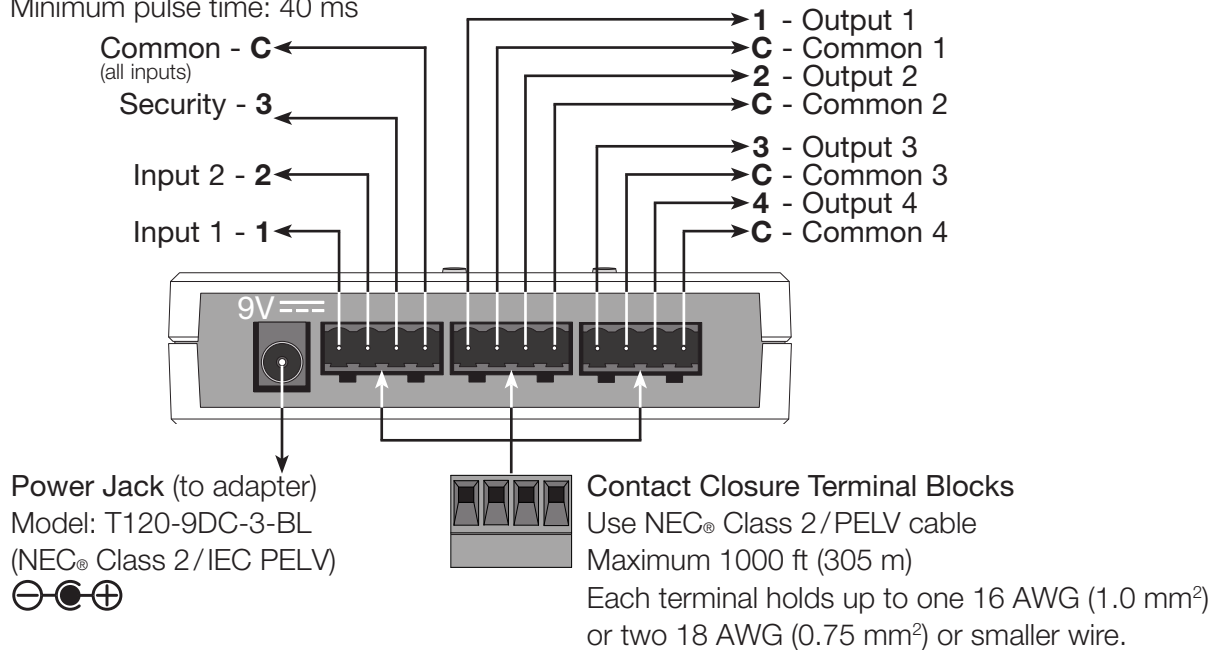
Receiver (Bottom)

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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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

