

**Features/Benefits:**

- 12 VDC operation (down to 9 VDC)
- Convenient mounts (hardware not supplied)
- Simple electrical connections from access panel
- Optional audible indication for pedestrian detection
- Directional detecting I-R sensors

## Smart Crosswalk™ Remote Activation Device (RAD) Automatic Series

**Part Number:** LGS-RAD

**Description:** Infrared Light Beam Detector

### Application Notes:

The remote automatic detection and activation mechanism is a fully automated system using built-in sensors that detect directional movement, allowing the LightGuard System to activate for zone entry only. The RAD automatically detects the presence of pedestrians or vehicles entering the zone and sends a call signal to a flashing controller. Each zone entrance contains a pair of detectors straddling the entrance area. A typical installation will have a total of 4 RADs (2 pairs).

The controller then initiates a flashing light sequence alerting those in directional proximity to the presence of someone entering the zone. These automatic pedestrian detectors do not re-initiate the flashing sequence when pedestrians exit the crosswalk - only when they enter. RADs are used in conjunction with compatible LightGuard Systems' Smart Crosswalk controllers, as described in the LightGuard Systems Installation and User Manual. RADs can be used to trigger LGS in-roadway warning lights (IRWL), flashing LED signs and RRFBs.



### General Performance Specifications

Parameter	Value	Wiring Diagram
Maximum separation distance	40 Feet	<p><b>NOTE:</b> DISCONNECT BUZZER AFTER ALIGNMENT</p> <p>INTERNAL WIRES TO SENSORS</p> <p>FIELD WIRES TO CONTROL PANEL</p> <p>BLK</p> <p>YEL = 1A BRN = 1B BLU = 2A ORG = 2B RED</p>
Power consumption	0.5 Watt	
Operating temp	0° to 80°C	
Operating voltage	9V DC to 15 VDC	
Enclosure	NEMA 6 fiberglass	
Enclosure color	Gray (standard)	
Enclosure size	7" x 5" x 4"	
Mounting	Rear mount (bracket or wall)	
Access window/door	Pad lock latch	
Directional sensors	Infrared	
Audible detection buzzer	Optional, piezo electric	