

BEAMGUARD30

PS-BD30R - Reflective Beam Detector

THE ENGINEERING IS DONE 30-Foot Reflective Safety Detection

Details

Part Number	PS-BD30R
Part Name	BeamGuard30 Reflective Beam Detector
Type	Reflective Beam Sensor
Dimensions	4.5 x 2.1 x 2.0 in
Material	Protective plastic housing
Finish	Amber / black
Rating	Weather-protected cover
Power Input	9-24 VAC / 12-24 VDC

- 30 ft reflective detection range
- ~30 ms response time
- Single sensor with remote reflector
- 3 A relay output
- Adjustable swivel alignment
- Power and signal LED diagnostics

Solution

Long-range photoelectric detection for overheight alerts, gate-arm safety, exit-warning systems, doors, ramps, and parking facilities.

Description

BeamGuard30 is a self-contained retroreflective photoelectric detector that combines the transmitter and receiver in one weather-protected housing. A visible red beam is aimed at the supplied reflector; when a vehicle, pedestrian, or object interrupts the return signal, the relay changes state. The adjustable swivel simplifies alignment across lanes and openings up to 30 ft.

Operations

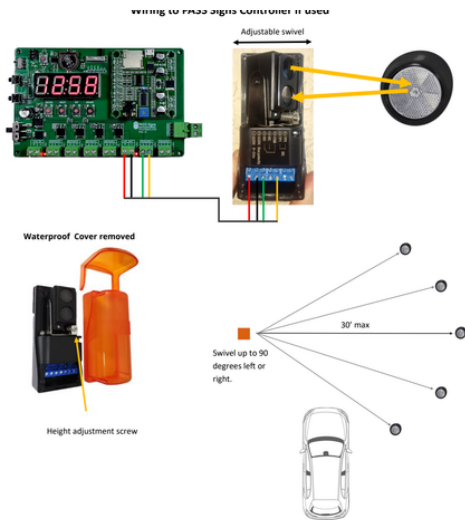
Mount the sensor and reflector facing each other, connect 9-24 VAC or 12-24 VDC power, and align until the red validity indicator confirms a strong return. Green indicates power; flashing green indicates a weak signal. Beam interruption operates the 3 A relay in about 30 ms for fast control or warning response.



Includes

- (1) PS-BD30R BeamGuard30 sensor
- (1) Reflective target
- Adjustable swivel mounting base
- Weather-protected cover
- Quick setup guide

Wiring & Alignment



Application

- Overheight vehicle alerts
- Gate-arm safety protection
- Exit warning systems
- Overhead / roll-up doors
- Parking garages and ramps
- Facility safety zones

Performance Specs

Detection Range	30 ft
Response Time	~30 ms
Light Source	740 nm red
Relay Output	3 A
Operating Temp	-4 to +158 °F



Product & Applications

