

NARROW BEAM

PS-VMD-NB - Motion Detector

THE ENGINEERING IS DONE Targeted Motion Detection

Details

Part Number	PS-VMD-NB
Part Name	Narrow Beam Motion Detector
Type	24.125 GHz Microwave Radar
Dimensions	5.5 x 1.75 in
Material	ABS plastic
Finish	Black
Rating	IP54
Power Input	12-30 VDC / 12-24 VAC

- 3-6 ft focused detection width
- Ceiling or wall mount up to 15 ft
- Vehicles, bicycles, and pedestrians
- 0.5 second response; 1-6 second hold
- Normally open dry-contact relay
- Red LED activation feedback

Solution

Focused microwave motion detection for narrow parking lanes, garage aisles, roll-up doors, gates, warning signs, alarms, and pedestrian zones.

Description

PS-VMD-NB targets motion across a narrow 3-6 ft path to reduce false activations from adjacent traffic. It detects vehicles, bicycles, and pedestrians, with a built-in red LED confirming relay activation. The IP54 ABS housing supports covered parking and other protected traffic-control locations.

Operations

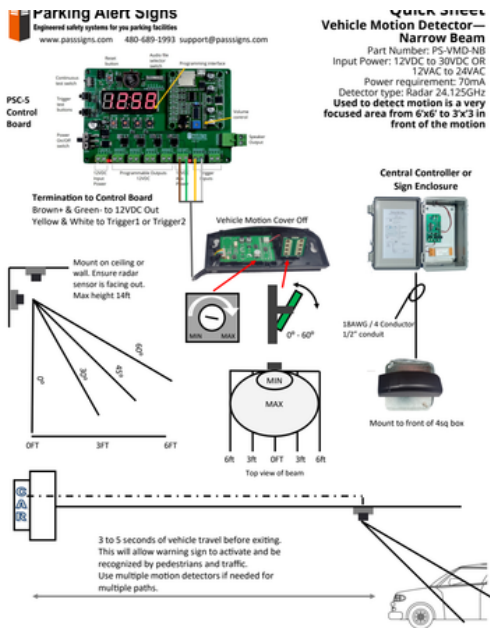
Mount on a ceiling or wall with the sensor facing the travel path. Aim from straight down to 60 degrees and place the vehicle detection point 3-5 seconds before the intended activation location. On detection, the normally open dry contact closes in about 0.5 seconds and remains active for an adjustable 1-6 seconds.



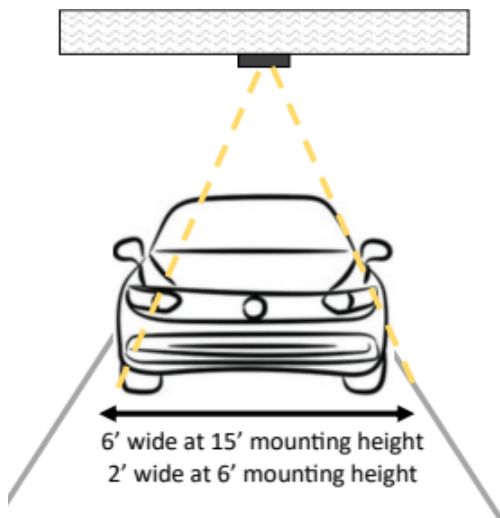
Includes

- (1) PS-VMD-NB sensor
- (2) mounting screws
- 5 ft pre-attached cable
- Adjustable swivel mount
- Setup / wiring guide

Mounting & Wiring



Coverage & Product



Applications

- Parking Alert Sign activation
- Roll-up doors and gates
- Barrier controls
- Vehicle and bicycle lanes
- Pedestrian warning zones
- Lights and alarms

Performance Specs

Detection Distance	Up to 15 ft
Beam Width	3-6 ft
Response Time	Approx. 0.5 sec
Relay Hold	1-6 sec
Power Input	12-30 VDC

