



**AFR01** - Anti-Fall Radar Detector

## AFR01

### Anti-Fall Radar Detector

The AFR01 is a non-contact detection device for targets such as vehicles and pedestrians. It works in the millimeter wave band. The radar detector transmit linear frequency-modulated continuous wave signals to the target to perform high-speed real-time processing on the target's reflected echoes to achieve fast target detection.

The AFR01 has the advantages of convenient installation and maintenance. Damage to the road surface can be avoided without any impact to vehicle access with this application of advanced technology, The Anti-Fall Radar is reliable and stable in operation, with a low cost vs. performance. The unit is user presetable of the detection distance, works in all-weather condition and compatible with straight or foldable barrier arm.

### Technical Specification

Center Frequency	24 GHz
Vertical Beam Width	43°
Horizontal Beam Width	11°
Coverage Range	0 m~6 m
Distance Adj. Range	2.0 m~6 m (8 levels)
Response Time	100ms
Inspection Miss Rate	0.1%
Detection Miss Rate	0.1%
False Detection Rate	0.05%
Dimensions	105 mm×78 mm×26 mm
Weight	85g
Waterproof	IP65
Supply Voltage Range	DC 6V~18V
Supply Current	less than 90 mA/12V
Operating temperature	-40°C~ +85°C
Humidity	relative humidity 99% at 25°C.

### Features

- Zero Blind Zone without Detection Distance
- Weatherproof
- Detection Accuracy
- Work Reliability
- Easy to Install
- Low Cost Maintainance
- Convenient Power Supply
- Adaptable to Any Environment