



MORE SECURE,
MORE CONVENIENT.

SPECIFICATION

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BRD02 Traffic Detector

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Description

BRD02 is a traffic detector that adopts 24-24.25GHz Frequency Modulated Continuous Wave (FMCW) and high-speed digital signal processing technology to calculate the target distance by calculating the frequency difference between the received echo frequency and the transmission frequency. After logical operation, it performs external control and data transmission.

It is suitable for vehicle monitoring and controlling the opening and closing of barrier gate for smooth parking access.

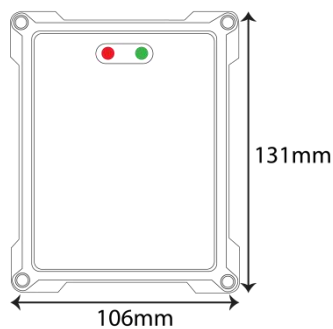
Features

- Better accuracy.** Traffic detector adopts 24-24.25GHz Frequency Modulated Continuous Wave (FMCW) and high-speed digital signal processing technology to calculate the target distance by calculating the frequency difference between the received echo frequency and the transmission frequency whereas loop detector using inductance loop coil.
- Easier installation.** Can be easily mounted on the body of barrier gate without requires ground/road surface cut and complicated wiring work. User friendly one button quick parameters setting that allow users to set detection range. Default setting is 2.5m detection range.
- Long lasting and weatherproof.** The traffic detector have strong environmental adaptability with IP67 where it can withstand of dust, sunlight and raining. It works in range of 24-24.25Ghz without effects from any climatic environment. It can last longer and requires minimum maintenance. Thus, save you time and cost in long term.
- Safety detection.** Can prevent barrier gate from accidentally hitting people whereas loop detector can only detect metal objects/ vehicle.
- Extended functionality.** It can be used to trigger detection, for example trigger camera to capture the picture or trigger the alarm in the warning zone. Can record the traffic and no data is lost when power is off.

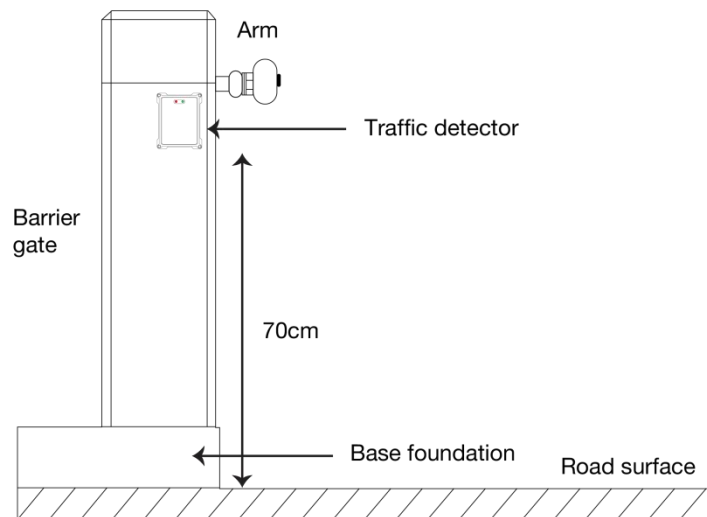
Technical Parameters

Input Voltage	DC12V, 150mA
Working Frequency	24-24.25GHz
Modulation Mode	FMCW
Sending Power	10-15dBm
Angle between the Beam and Pole	Wide wave <math>< 15^\circ</math>, Narrow wave <math>< 12^\circ</math>
Detection Distance	1 – 6 meters, ± 0.2 meters
Working Temperature	-40°C~+85°C
Protection Level	IP67
Dimension(L*W*H)	131mm x 106mm x 28.5mm

Dimension



Installation Diagram



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