

SafePass 5GF Detector

5GF Detector for Boom Gates

Hi-tech microwave sensor detects people and vehicles



The SafePass 5GF Detector accurately detects people and vehicles affording greater security and safety around boom gates.

The 5GF is the most efficient and effective alternative to loop detectors and PE beams.

Ideal for commercial and industrial situations such as factory entrances, car parks or any location where pedestrians are likely to be moving around an automatic boom gate.

No need for messy, expensive roadworks, the 5GF can be positioned anywhere providing the flexibility to accommodate a range of detection scenarios i.e. on walls and ceilings in underground car parks.

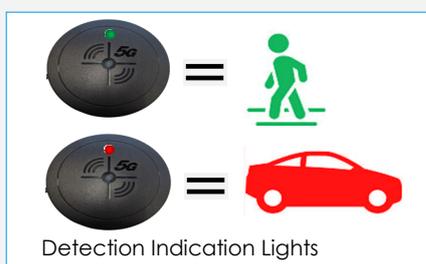
Featuring a superior detection range of 4 metres, the 5GF Detector uses cutting edge microwave technology to accurately control the boom gate's opening and closing. A fast response time of 150 milliseconds ensures an immediate reversal of the boom gate when an obstruction is detected.

The 5GF Detector can be used with any make of boom gate and completely replaces the need for safety vehicle detectors or PE beams.



The 5GF Detector features include:

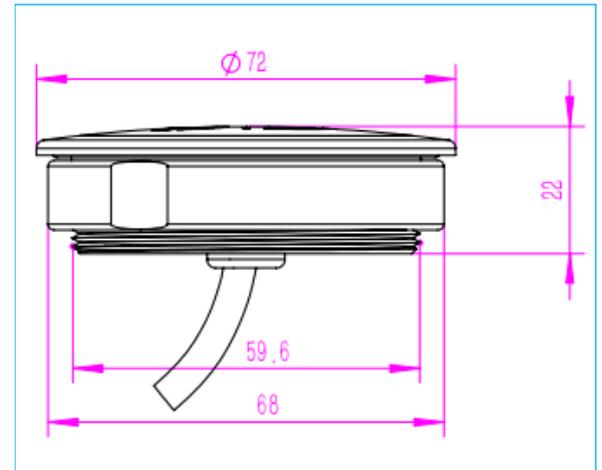
- **Reliable:** using ISM 5.8GHz band and advanced MMIC transceiver ensures the 5GF provides stable performance and high reliability
- **Easy to setup:** the hand held programmer makes it quick and easy to set up the detection area required without the need for a computer
- **Safety device:** the ability to distinguish between people and vehicles the sensor prevents the boom gate from closing when either a person or a vehicle enters the detection area
- **Easy installation:** unlike ground loops there is no need to cut into the roadway and no requirement for safety beams to protect people.
- **Tough:** Constructed of black corrosion resistant ABS material, waterproof to IP67
- **Mounting:** The sensor can be flush mounted or surface mounted.
- **LED Indication Lights:** green and red lights shows the detection area and identifies when a person enters the detection area (turns green) and when a vehicle is present (turns red)



Technical Specifications

Specification	5FG Detector
Construction Material	Black ABS Material
Size	72mm dia x 22mm deep
Installation location	600 mm to 750 mm from ground
Working frequency band	5.8GHz
Temperature	-20°C ~70°C
Humidity	95%,no condensation
Voltage	12vdc
Current	≤0.15A
Power Consumption	≤1.8W
Detection distance	20mm~4000mm
Detects	Vehicle, pedestrians
Response time	150ms

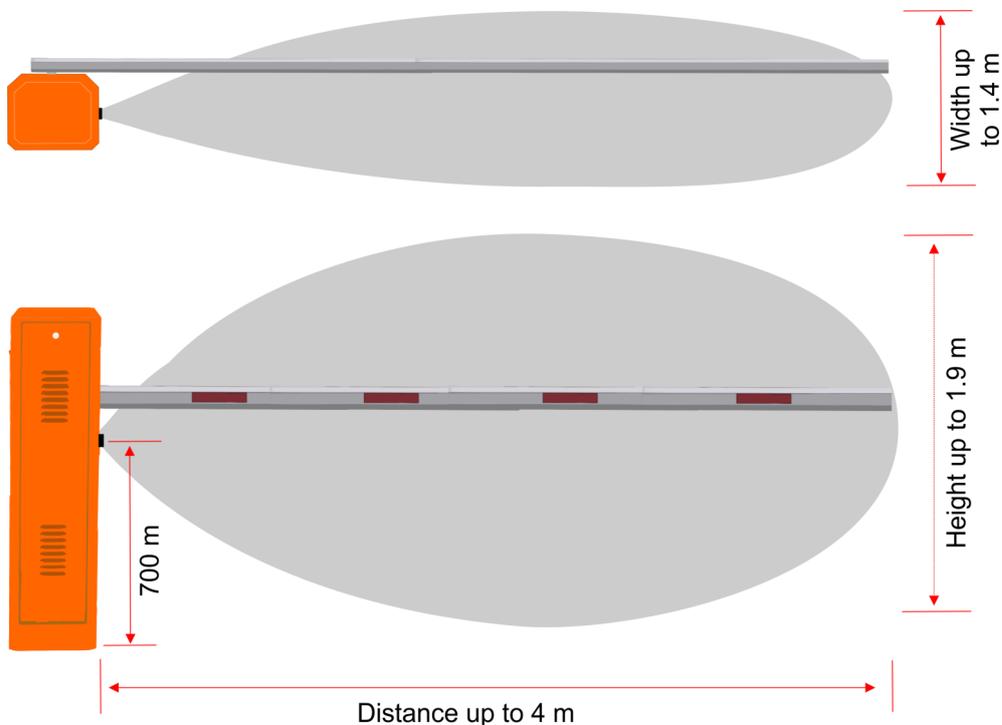
Dimensions



IMPORTANT: The pedestrian and vehicle outputs are potential free — do **NOT** connect external power.

Detection Area

When the 5GF Detector is installed at a height of **700 mm** from the ground the detection distance from the boom gate will be 4 metres. After set up the sensor will detect the area directly underneath the pole as well as either side of the pole from the cabinet during closing. The sensor ignores the pole movement, only detecting vehicles and people.



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