

CARLO GAVAZZI
Automation Components



*IRS Series
Long Range
Motion Radar Sensor*



Sense

IRS - Long Range Motion Radar Sensor

Carlo Gavazzi, a leading manufacturer of automation products for the industrial and commercial door and gate market, has introduced a new motion radar sensor. The IRS Series is a digital unidirectional long range motion sensor, operating in the K-band (24.125GHz), for trouble-free opening of all types of industrial automatic doors. It can be adapted to any application without additional accessories and can also be set up and controlled by an infrared remote control. It can be mounted up to 7m (23ft) high, to detect either people or vehicles, whether they're moving towards or away from the sensor. Like most other microwave detectors equipped with a planar flat antenna, the sensor works on an echo Doppler signal principle for detecting movement.



Cost Saving



Long Term Reliability



Simplified Set-Up

Advanced Technology

Microprocessor technology allows the sensor to filter out interference from weather conditions, making it suitable for outdoor use. This also provides increased protection from external noises from cell phones, radios and heaters.

Technology

The IRS motion radar sensor controls automatic doors utilizing a Doppler shift effect for detecting movement.

Comfort

All functions of the IRS can be controlled via an infrared remote control, thus providing a means for easy adjustment and modification.

Vehicle, Person and Direction Detection

The IRS Series is capable of discriminating between people and vehicles. It can also detect the direction of movement, whether it's forward or backwards.

Lateral Traffic Suppression

It prevents an industrial door from being inadvertently operated by people, vehicles or objects that are only moving or walking past the door, but not moving towards it.

Approvals

All motion radar sensors are approved according to the relevant European and North American safety standards, including UL 325.

CE0682 FC cRU US

ID:U7PRAD01-02

Market Applications

Doors & Entrances

The IRS Series long range motion radar sensor can be used for controlling of all types of industrial doors. Thanks to its ability to discriminate from people and reject the lateral traffic, it is the ideal solution for the opening of industrial doors. Additionally, it is equipped with a planar antenna, which provides accuracy for stability of the sensing..



Product Features

Environment

IP65 protection, which is sealed against dust and humidity.

Mounting Height

It can be mounted at any height from 2.5m (8.2ft), up to 7m (23ft).

AC and DC Supply Voltage

All the devices can be supplied by 12-24VAC/DC, with the AC frequency between 50 and 60Hz.

Low Power Consumption

The power consumption of the device is less than 1.2W (VA).

IRS 01

Long Range Motion Radar Sensor

IRS 00 RC

IRS Infrared Remote Controller

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