

RT710905

RADAR SENSORS • RADAR SENSORS

Radar sensors are used primarily as signal transducers for controlling automatic doors and gates. They detect the movement of persons and/or industrial trucks and, at the same time, are insensitive to soiling. Objects can be detected depending on their movement direction in order to optimize the opening cycles of the gates. In doing so, it is possible to mask out people so that the sensor responds only when vehicles approach. Furthermore, it is possible to eliminate interference caused by moving objects within the detection range of the sensor. Systems that are also equipped with presence detection monitor the area in front of a gate in order to prevent the gate leaf from coming into contact with vehicles or objects.



MECHANICAL DATA

| | |
|--|-----------------|
| Ambient temperature (MAX) | 60 °C |
| Ambient temperature (MIN) | -30 °C |
| Cable length | 10 m |
| Housing material | Polycarbonate |
| Inclination angle (MAX) | 180 ° |
| Installation height | 3500 mm |
| Installation height | 2000 mm |
| Mounting height | 2.5 m |
| Number of wires | 5 |
| Optimum mounting height | 2.5 m |
| Sensor height | 102 mm |
| Sensor length | 97 mm |
| Sensor width | 127 mm |
| Suitable for degree of protection (IP) | IP65 |
| Version | Movement sensor |

ELECTRICAL DATA

| | |
|---|-------------------|
| Detection range length, radar | 2 m |
| Detection range width, radar | 4 m |
| For control of industrial doors and gates | Yes |
| Holding time | 9 s |
| Holding time | 0.5 s |
| Max. output current | 1000 mA |
| Min. speed | 0.05 m/s |
| Number of switching outputs | 1 |
| Operating voltage (MAX) | 24 V |
| Operating voltage (MIN) | 12 V |
| Power consumption | 2 W |
| Setting procedure | Manual adjustment |
| Setting via remote control | Yes |
| Switching voltage | 42 V |

ELECTRICAL DATA

| | |
|-------------------------------|----------------------|
| Transmitting frequency | 24.12 GHz |
| Transmitting power, radar | 5 mW/cm ² |
| Turn-off delay | Yes |
| Type of electrical connection | Cable |
| Type of switching function | Change-over contact |
| Type of switching output | Relay contact |
| Voltage type | AC/DC |
| With LED display | Yes |

DIMENSIONAL DRAWING**INSTALLATION**

Mounting / Installation may only be carried out by a qualified electrician!

DISPOSAL**SAFETY WARNINGS**

Before initial operation, please make sure to follow all safety instructions that may be provided in the product information!

Never use these devices in applications where the safety of a person depends on their functionality.