Dimensions

All dimensions in mm; Dimensions when installed

Order designation

Radar MultiView RMV | RMV-G2

Intelligent measuring radar, which uses modulation processes to generate a total of five measurement data in order to perfectly control the opening phase (time and duration of opening) of automatic gates as required and in an energy-saving manner.

Art.-No. 10001337

Features

- Large detection area
- Opening impulse is available as a semiconductor
- The opening time and duration of the gate are determined by the opening impulse
- Cross traffic and parallel traffic suppression
- Energy savings also for existing systems
- Classification of persons and vehicles
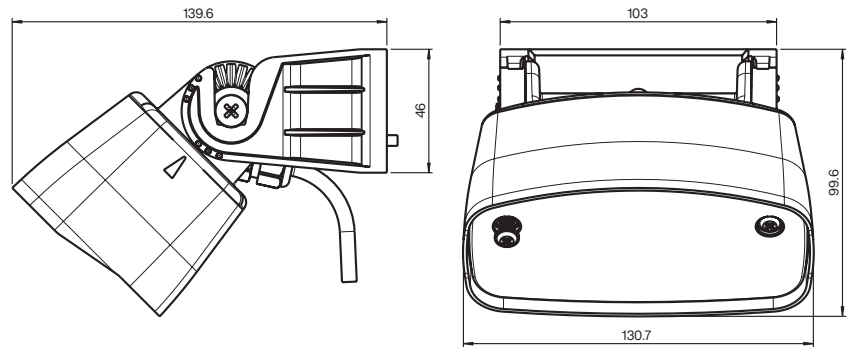- Parameterization via WEB interface and USB

Applications

- Ideal for retrofit business
- Simple connection concept

Approvals and certificates

- 2014/53/EU: This device may be operated in all countries of the European Union. In other countries, the applicable national regulations must be applied.

Technical Data

General Specifications

Function principle	Measuring Radar with 3 operating ranges: Sensing range: determined by the mounting height Activation area: adjustable to application via software parameters Close area: adjustable to application via software parameters
Classification	Persons and vehicles
Assembly positions	Above the gate, in the middle, left or right; integrated mounting aid with IMU for all 3 spatial angles
Mounting height	Min. 2 m; max. 10 m
Detection speed	Min. 0.1 m/s, max. 8.0 m/s
Setting angle	Vertical: -90° ... +90°
Operating frequencies	24.150 GHz; can be switched to 24.050 GHz and 24.250 GHz; enables the operation of 3 radar units mounted close to each other
Radaröffnungswinkel	34° x 80°
Minimum sensing area Width x depth	f (H, α) indication via Interface
Cross-traffic suppression	Adjustable: on (100%, no triggering), middle (50%), off (0%)
Opening speed of the gate	Adjustable in [m/s]
Transmitter radiated power (EIRP)	< 20 dBm
Parameter setting	Via radio, WLAN (OTA), USB
Integrated temperature	°C / °F / °K, output via interface
Aprovals and certificates	CE; UL

Indicators / Operating elements

Function indicator	1 x LED (rgb) Brightness: adjustable Ready for operation: LED flashes green - 10 s Ready for operation: LED is off, does not light up Approach: LED flashes yellow Output set: LED lights up red Parameterization: LED lights up blue, data connection established Error display: LED lights up white, flashing pattern
Control elements	None

Electrical specifications

Operating voltage	AC: 8 ... 35 V AC +/- 10% DC: 8 ... 45 V DC +/- 10%
Power consumption	< 2.5 W

Connections

2x outputs plus extension	1 x 8 pin socket
Expansion slot	1 x internal connector

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Technical Data

Connection cable set	
USB cable	2 m (not included in delivery)
cable, 8 pin plug	10 m (included in delivery)

Output	All short circuit protected, normally open/closed (NO/NC), configureable via events
Signal output 1	Solid-state relay
Switching voltage 1	Up to 60 VAC/VDC
Switching current 1	Max. 0.5 A
Holding time 1	Adjustable in [s]
Signal output 2	Solid-state relay
Switching voltage 2	Up to 60 VAC/VDC
Switching current 2	Max. 0.5 A
Holding time 2	Adjustable in [s]

Events	Events can be assigned to the outputs via parameter settings. Triggering in people; triggering for vehicles; triggering in combination; partial gate opening; fast opening; slow opening; counting of persons and/or vehicles; temperature control

Digital interface	
ESP-NOW	Short range protocol, max. 25 m

Ambient conditions	
Special features	Resistance against weather and vibrations
Operating temperature	-40 ... 80° C (-40 ... 176° F)
Storage temperature	-40 ... 80° C (-40 ... 176° F)
Relative humidity	Max. 90% non condensing

Mechanical specifications	
Degree of protection	IP67
Connection 1	8 pin socket
Housing	Polycarbonat (PC), anthrazit
Mass	650 g
Dimensions	131 mm x 73 mm x 136 mm

Parameter setting	
Method	All parameters can be sit via WEB-Interface and USB
Operating ranges	Activation area: which is inside the sensing range and can be defined as a polygon with max. 8 points. Near area: which is also inside the sensing range and can be defined as well with max. 8 points. The close area focus the door to open in any case.

Connections

8-Pin connector, male (Relay/IO plug):

1 = AC/DC IN
2 = AC/DC IN
3 = Relay 1 (NO/NC)
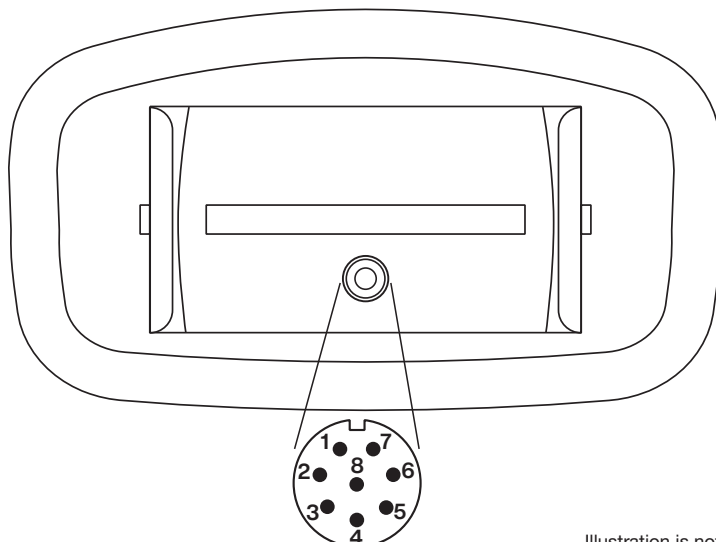**4** = Relay 1 (NO/NC)
5 = Relay 2 (NO/NC)
6 = Relay 2 (NO/NC)
7 = Extension 1
8 = Extension 2

Illustration is not to scale

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