



### 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
- Cable connection
- 2 semiconductor relay outputs
- Classification of person/vehicle, one separate exit per class
- 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
- Parameterization via WEB interface

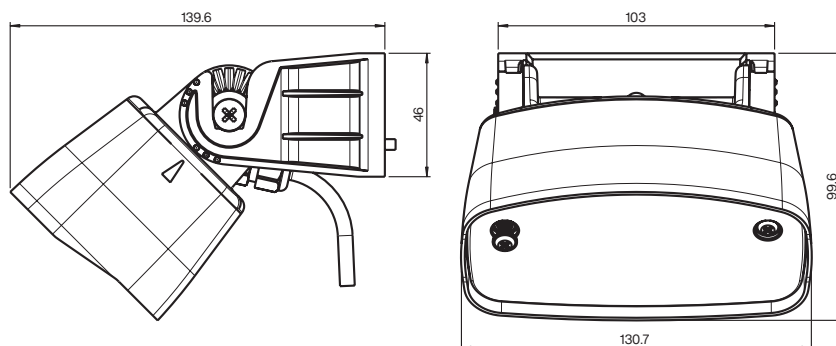
### Applications

- 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.

### Dimensions



All dimensions in mm; Dimensions when installed

### Technical Data

General Specifications	
<b>Function principle</b>	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
<b>Classification</b>	Persons and vehicles
<b>Assembly positions</b>	Above the gate, in the middle, left or right; integrated mounting aid with IMU for all 3 spatial angles
<b>Mounting height</b>	Min. 2 m; max. 10 m
<b>Detection speed</b>	Min. 0.1 m/s; max. 8.0 m/s
<b>Setting angle</b>	Vertical: -90° ... +90°
<b>Operating frequencies</b>	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
<b>Radar apertur angle</b>	34° x 80°
<b>Minimum sensing area Width x depth</b>	f (H, α) indication via Interface
<b>Cross-traffic suppression</b>	Adjustable: on (100%, no triggering), middle (50%), off (0%)
<b>Opening speed of the gate</b>	Adjustable in [m/s]
<b>Transmitter radiated power (EIRP)</b>	< 20 dBm
<b>Parameter setting</b>	WLAN (OTA)
<b>Integrated temperature</b>	°C / °F / °K, output via interface
<b>Approvals and certificates</b>	CE
Indicators / Operating elements	
<b>Function indicator</b>	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
<b>Control elements</b>	None
Electrical specifications	
<b>Operating voltage</b>	AC: 8 ... 35 V AC +/- 10% DC: 8 ... 45 V DC +/- 10%
<b>Power consumption</b>	< 2.5 W
Connection cable	
<b>Cable, 6 pin open ends</b>	8 m (included in delivery)



Technical Data

Output	All short circuit protected, normally open/closed (NO/NC), configureable via events
Signal output vehicles	Solid-state relay
Switching voltage vehicles	Up to 60 VAC/VDC
Switching current vehicles	Max. 0.5 A
Holding time vehicles	Adjustable in [s]
Signal output persons	Solid-state relay
Switching voltage persons	Up to 60 VAC/VDC
Switching current persons	Max. 0.5 A
Holding time persons	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	Cable, 6-pin, open ends
Housing	Polycarbonat (PC), anthrazit
Mass	650 g
Dimensions	131 mm x 73 mm x 136 mm
Parameter setting	
Method	All parameters can be set via WEB-Interface
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

Fixed cable connection, 6-pin:

AC/DC IN / 0V	BN (brown)
AC/DC IN / +UB	GN (green)
Relay 1* (NO/NC)	WH (white)
Relay 1* (NO/NC)	YE (yellow)
Relay2** (NO/NC)	GY (grey)
Relay2** (NO/NC)	PK (pink)

\* = Vehicle semiconductor relay  
\*\* = Persons semiconductor relay

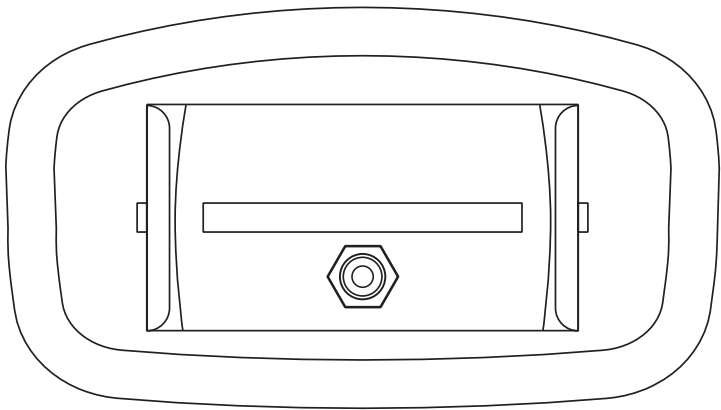


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