



### Order designation

Radar MultiView RMV | RMV-G2

Intelligent measuring 2-D-radar, utilizing a modulation processes to generate a total of five measurement data sets in order to perfectly control the opening time and duration of automatic gates in an energy-efficient and effective way.

**Art.-No. 10001337**

### Features

- Large detection area
- Fixed cable connection
- 2 semiconductor relay outputs
- Classification of person/vehicle, one separate output per category
- The opening pulse determines the opening time and duration of the gate
- Cross traffic and parallel traffic suppression
- Improved energy efficiency, even for existing installations
- Parameterization via WEB interface

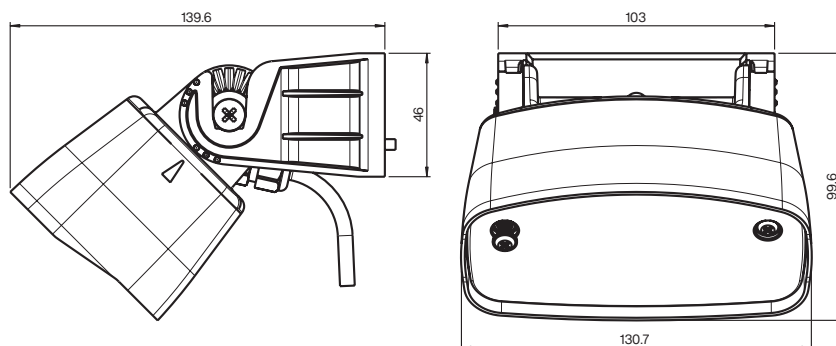
### Applications

- 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 2-D-Radar with 3 operating areas: Detection area: determined by the mounting height Activation area: adjustable to application via Web-Interface Near area: adjustable to application via Web-Interface
<b>Classification</b>	Person and vehicle
<b>Mounting position</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>Radar 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>Transmitter radiated power (EIRP)</b>	< 20 dBm
<b>Radar aperture 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>Parameter settings</b>	WLAN (OTA)
<b>Integrated temperature reading</b>	°C / °F / °K, output via interface
<b>Approvals and certificates</b>	CE
<b>Indicators / Operating elements</b>	
<b>Function indicator</b>	1 x LED (rgb)
<b>Control elements</b>	None
<b>Electrical specifications</b>	
<b>Operating voltage</b>	AC: 8 ... 35 V AC +/- 10% DC: 8 ... 45 V DC +/- 10%
<b>Power consumption</b>	< 2.5 W
<b>Radiated frequencies</b>	
<b>BLE (Bluetooth®)</b>	2.402 GHz ... 2.480 GHz
<b>Transmission power</b>	< 10 mW
<b>WLAN</b>	2.412 GHz ... 2.472 GHz
<b>Transmission power</b>	< 100 mW
<b>Radar</b>	24.050 GHz ... 24.250 GHz
<b>Transmission power</b>	< 10 mW
<b>Connection cable</b>	
<b>Cable, 8 pin open ends</b>	6 m (included in delivery)



## Technical Data

<b>Outputs</b>	Short circuit protected, normally open/closed (NO/NC) and event (see below) configureable via WEB-Interface
<b>Signal output relay 1</b>	Solid-state relay
<b>Switching voltage relay 1</b>	Up to 60 VAC/VDC
<b>Switching current relay 1</b>	Max. 0.5 A
<b>Holding time relay 1</b>	Adjustable in [s]
<b>Signal output relay 2</b>	Solid-state relay
<b>Switching voltage relay 2</b>	Up to 60 VAC/VDC
<b>Switching current relay 2</b>	Max. 0.5 A
<b>Holding time relay 2</b>	Adjustable in [s]
<b>Events</b>	Events can be assigned to the outputs via parameter settings. Triggering on people; triggering for vehicles; triggering in combination; partial gate opening; fast opening; slow opening; counting of persons and/or vehicles; temperature control
<b>Digital interface</b>	
<b>ESP-NOW</b>	Short range wireless protocol, max. 25 m
<b>Ambient conditions</b>	
<b>Special features</b>	Resistance against weather and vibrations
<b>Operating temperature</b>	-40 ... 80° C (-40 ... 176° F)
<b>Storage temperature</b>	-40 ... 80° C (-40 ... 176° F)
<b>Relative humidity</b>	Max. 90% non condensing
<b>Mechanical specifications</b>	
<b>Degree of protection</b>	IP67
<b>Connection</b>	Fixed cable, 8-pin, open cable ends
<b>Housing</b>	Polycarbonat (PC), anthrazit
<b>Mass</b>	650 g
<b>Dimensions</b>	131 mm x 73 mm x 136 mm
<b>Parameter setting</b>	
<b>Method</b>	All parameters can be set up via WEB-Interface
<b>Operating ranges</b>	Detection area of up to 10 x 10m, depending on mounting height and setting angle Activation area: configureable inside the detection area as a polygon with max. 8 points. Near area: configureable inside the detection area as a polygon with max. 8 points.

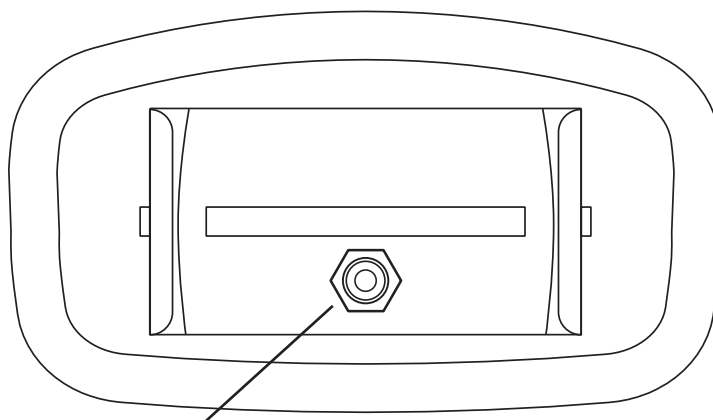
## Connections

### Fixed cable connection, 8-pin:

AC/DC*	BN (brown)
AC/DC*	GN (green)
Relay 1 **	GY (grey)
Relay 1	PK (pink)
Relay 2 **	YE (yellow)
Relay 2	WH (white)
Do not connect	RD (red)
Do not connect	BU (blue)

\* = Polarity is not relevant

\*\* = NO or NC contact function and activation for "Person" or "Vehicle" is configureable



Fixed cable connection

Illustration is not to scale.