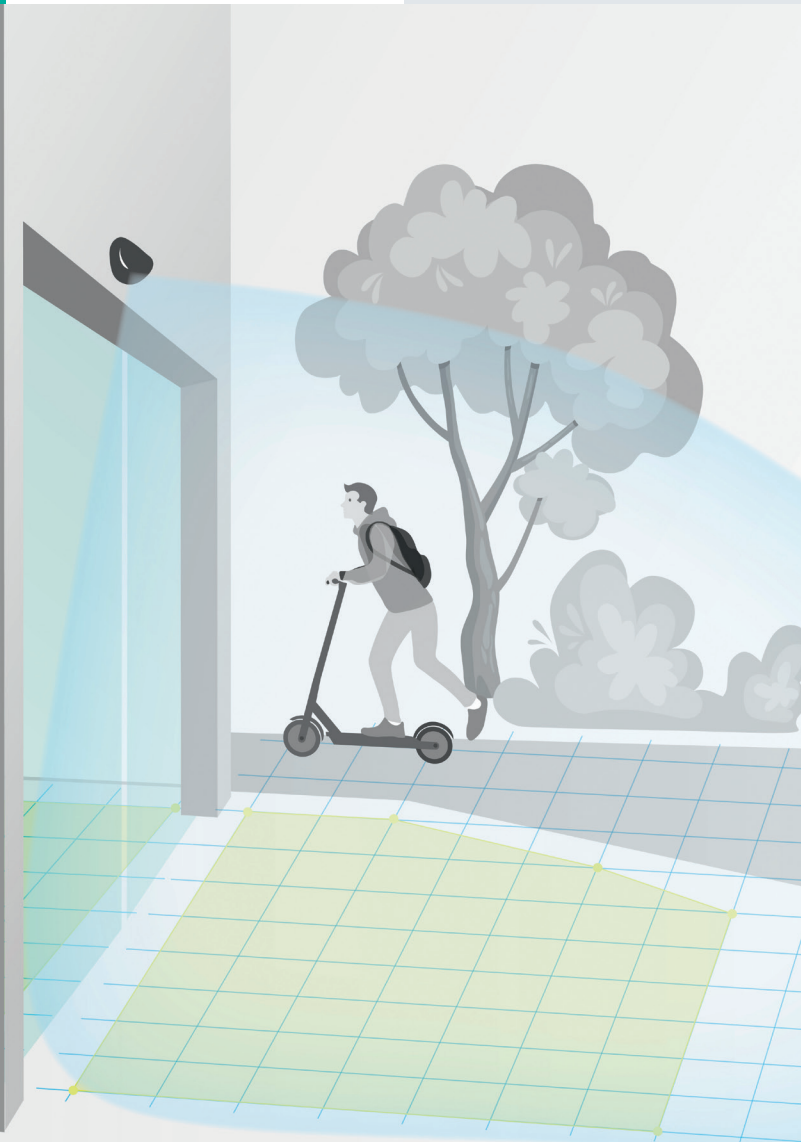
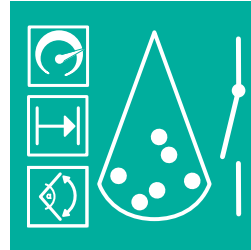


 **Radar  
MultiView RMV<sup>®</sup>**

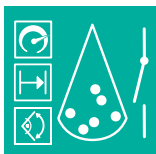
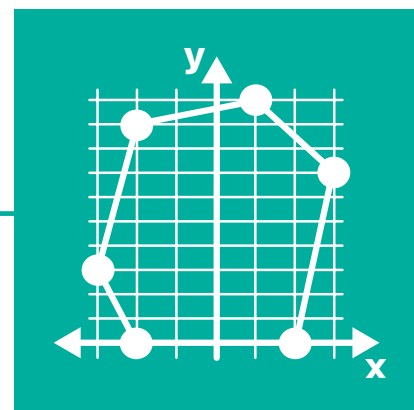
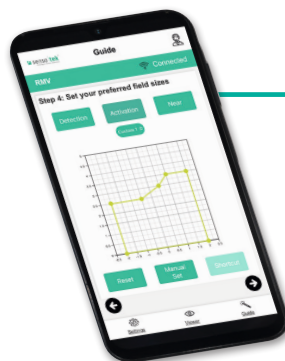
# RMV-D2

The Measuring 2-D Radar with  
Dynamic View in Everyday Life

Measuring hits Switching | Smart  
Configuration | Demand-led  
Opening



# Measuring 2-D Radar with Adjustable Activation Areas



## Measuring hits Switching

Conventional door opening radar usually relies on the principle of the physical Doppler effect. This enables the detection of

 **Motion** and  **Direction**

in the detection area and triggers immediately the door opening impulse – it's just switching.

Thanks to an additional modulation process, the **Radar MultiView RMV | RMV-D2** has a new type of intelligence in order to analyze and evaluate more of what is happening in front of the door. Therefore the RMV-D2 measures the following conditions:



**Speed:** Using the specific modulation method, the Radar RMV-D2 determines the speed of movement of persons in the entire radar field of view.



**Distance:** The implemented modulation technology also provides the RMV-D2 with absolute measured distance values of moving persons towards the radar sensor.



**Angle:** This information is used to determine very precisely whether a person intends to enter through the door or is just passing it, making it unnecessary to open the door.



## Intend Evaluation

Based on the measurement data, the intelligent measuring RMV-D2 now calculates the appropriate opening process and determines the two resulting actions:



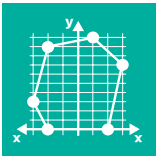
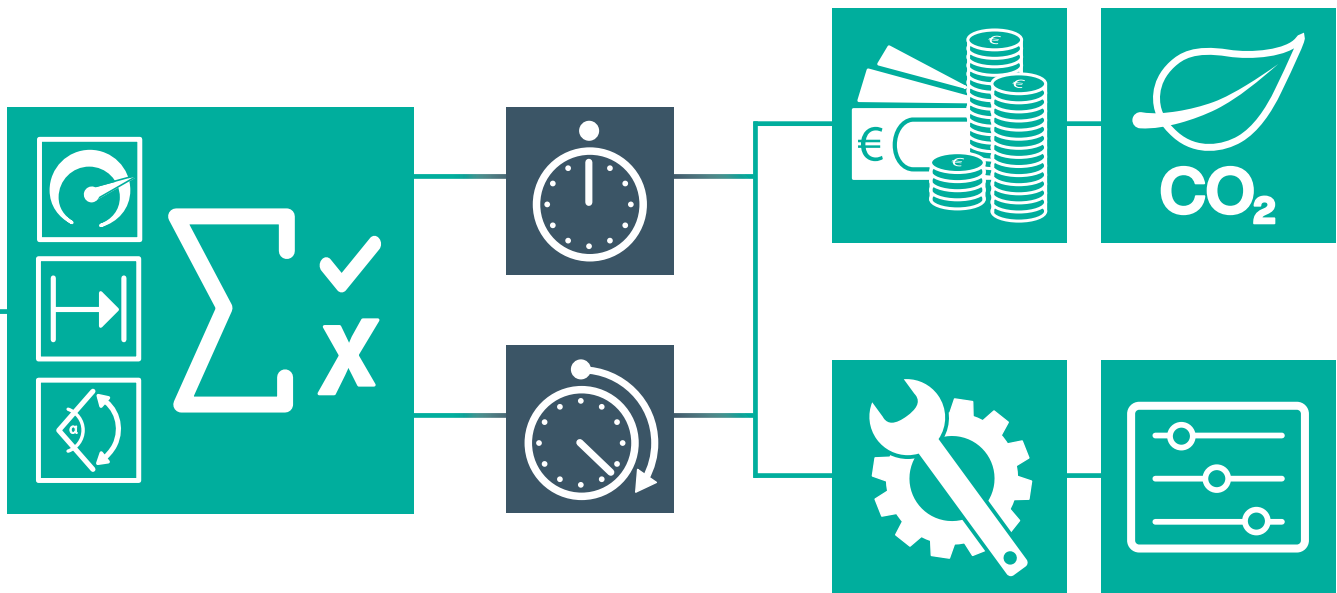
**Individual opening moment:** As the most important action, the Radar RMV-D2 individually controls the optimal opening point in time for each approaching person – adjusted to e. g. fast or slow walking.



**Individual opening duration:** With the knowledge of the movement speed of the approaching person, the length of the opening time is precisely calculated and the door only stays open as long as for the passage time required.

## Radar MultiView RMV | RMV-D2 Technical Data

Parameter	Technical Data
Sensing range	f (H, α) Display via interface; typ. 30° angle of inclination
Mounting height	Max. 4000 mm
Operating voltage	AC: 8 ... 35 V AC +/- 10% DC: 8 ... 45 V DC +/- 10%
Signal output	Solid-state relay
Operating temperature	-40 ... +176 °F
Dimensions	123 mm × 65 mm × 57 mm



### Smart Configuration

The sensor is parameterized via an integrated web server using a smartphone or tablet.

Two separate areas can be individually defined for the measuring RMV-D2 according to customer requirements: the activation area and the close-up area. The activation area can be defined, for example, with a maximum of 8 points in the form of a polygon.

This makes it possible to prevent unwanted opening of the door, which in turn has economic and financial benefits for the operator.

### Highlights

- Simple configuration with smartphone or tablet
- Individually adjustable activation areas
- Full door leaf blanking function
- Plug and Play
- Cloning of final configured settings to other sensors
- Higher energy savings thanks to optimum cross-traffic suppression
- Improved CO<sub>2</sub> footprint, also for existing systems

### Benefits for the Operator



**Maximum cost savings:** The specifically measured and calculated door opening impulse results in direct operating cost savings for the door system and improves the energy balance sheet of the building through the idealized operation of the door.



**Maximum energy savings/optimized ecological balance:** By opening entrance doors as required, the consumption of fossil fuels for heating systems and the electricity consumption for air conditioning systems is minimized and thus the CO<sub>2</sub> footprint is reduced, which is reflected in the ecological balance sheet and the sustainability reporting of a company.



**Minimum material wear/maintenance:** By opening and closing the entrance door as needed, the intelligent Radar RMV-D2 prevents unnecessary door openings – mostly caused by opening impulses from people who only approach the building up to a certain distance or passing by – and thus reduces the wear and tear of the door and the maintenance intervals.



**Minimum assembly and parameterization effort:** The assembly effort is reduced to the purely mechanical and electrical installation by smartphone or tablet.

# Your Specialist in the Field of Entrance Automation for the Following Market Segments:



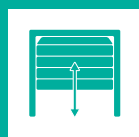
Door Automation



Barriers



Perimeter Security



Gate Automation



People Counting



Public Transport



Elevators



Security



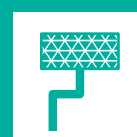
Traffic Engineering



Escalators



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