

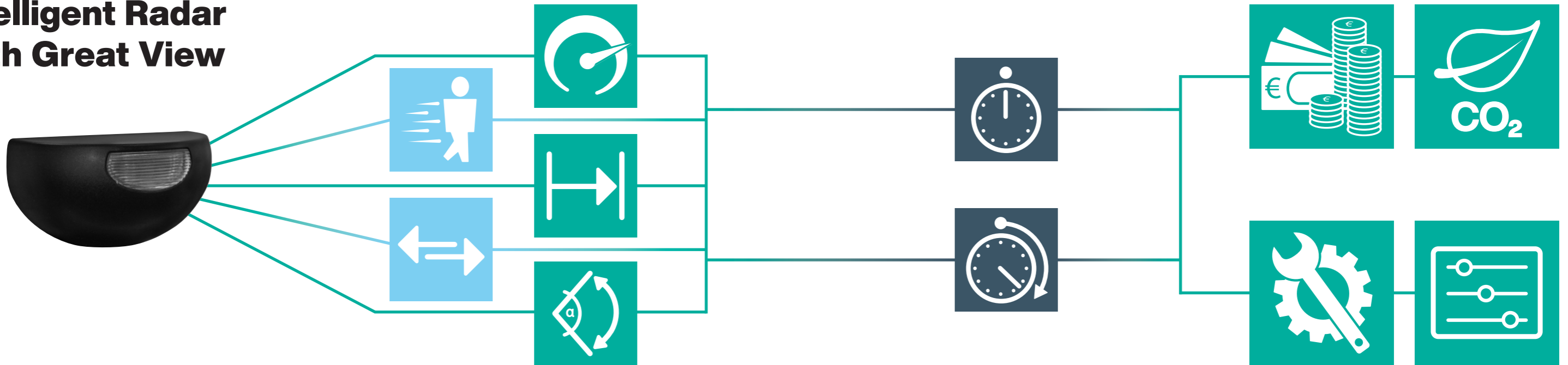
Radar MultiView RMV

Retrofit Business Use | Energy
Saving | Plug & Play

The Intelligent Radar with
Multiple View in Everyday Life



Intelligent Radar with Great View



The Radar with Groundbreaking View

Traditional door opening radar usually relies on the principle of the physical Doppler effect – by which motion and direction detection is realized. This type of radar monitors the near area in front of the door and triggers immediately the door opening impulse as soon as a person moves in the detection area.

Thanks to an additional modulation process, the Radar MultiView RMV has an additional, new type of intelligence in order to analyze and evaluate more of what is happening in front of the door. Thanks to this ability, the Radar MultiView RMV enables an even more needs based, adapted and energy saving opening phase of automatic doors.

Basis Technology + RMV Intelligence

Each radar recognizes the following data and they form the basis for the key principle of the door opening:

Movement: The radar uses movement to detect people and objects in its radar field of view.

Direction detection: The radar detects the direction of movement, whether towards or away from the door, and then activating the hardware door output signal to open the door accordingly.

In addition, the intelligent Radar MultiView RMV now has further identification features that enable a completely individually calculated door opening phase:

Speed: Using the specific modulation method, the Radar MultiView RMV determines the speed of movement of single persons, groups of people or multiple persons in line in the entire radar field of view.

Distance: The implemented modulation technology also provides the Radar MultiView RMV with absolute measured distance values of moving groups of people and individuals in reference to the radar sensor.

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

The Radar MultiView RMV Added Value

Based on the basic and additional technologies, the intelligent Radar MultiView RMV now calculates two functions – it places the door opening impulse at the right moment and defines the appropriate opening duration via the length of the signal impulse.

Individual opening moment: The Radar MultiView RMV individually controls the optimal opening point in time for each approaching person and group of people – 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.

Benefit for the Operator

Maximum cost savings: The targeted 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 CO₂ 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 MultiView RMV 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. The parameterization, preset at the factory is sufficient for the most applications.

Radar MultiView RMV	Technical Data
Sensing range	Ca. 10000 x 4500 mm (D x W) at 2200 mm mounting height and 30° inclination angle
Mounting height	Max. 4000 mm
Operating voltage	12-24VDC +/-15%
Signal output 1	PNP, shortcircuit-protected
Signal output 2	Relay, changeover contact
Operating temperature	-4 ... +140 °F
Dimensions	123 mm x 65 mm x 57 mm

Highlights

- Ideal for retrofit business
- Simple connection concept
- Plug and Play
- Energy savings also for existing installations

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



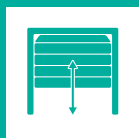
Door Automation



Barriers



Perimeter Security



Gate Automation



People Counting



Public Transport



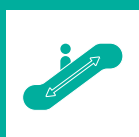
Elevators



Security



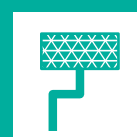
Traffic Engineering



Escalators



Fire Protection



Smart Accessories



Sensotek GmbH

Sales partner within the Pepperl+Fuchs Group

www.sensotek.com

Stuttgarter Str. 119, 73061 Ebersbach (Fils), Germany

Phone: +49 7163 93926-0

Fax: +49 7163 93926-10

info@de.sensotek.com

Subject to modifications · © Sensotek GmbH

Printed in Germany · Part. No. 020-1008 03/23 01