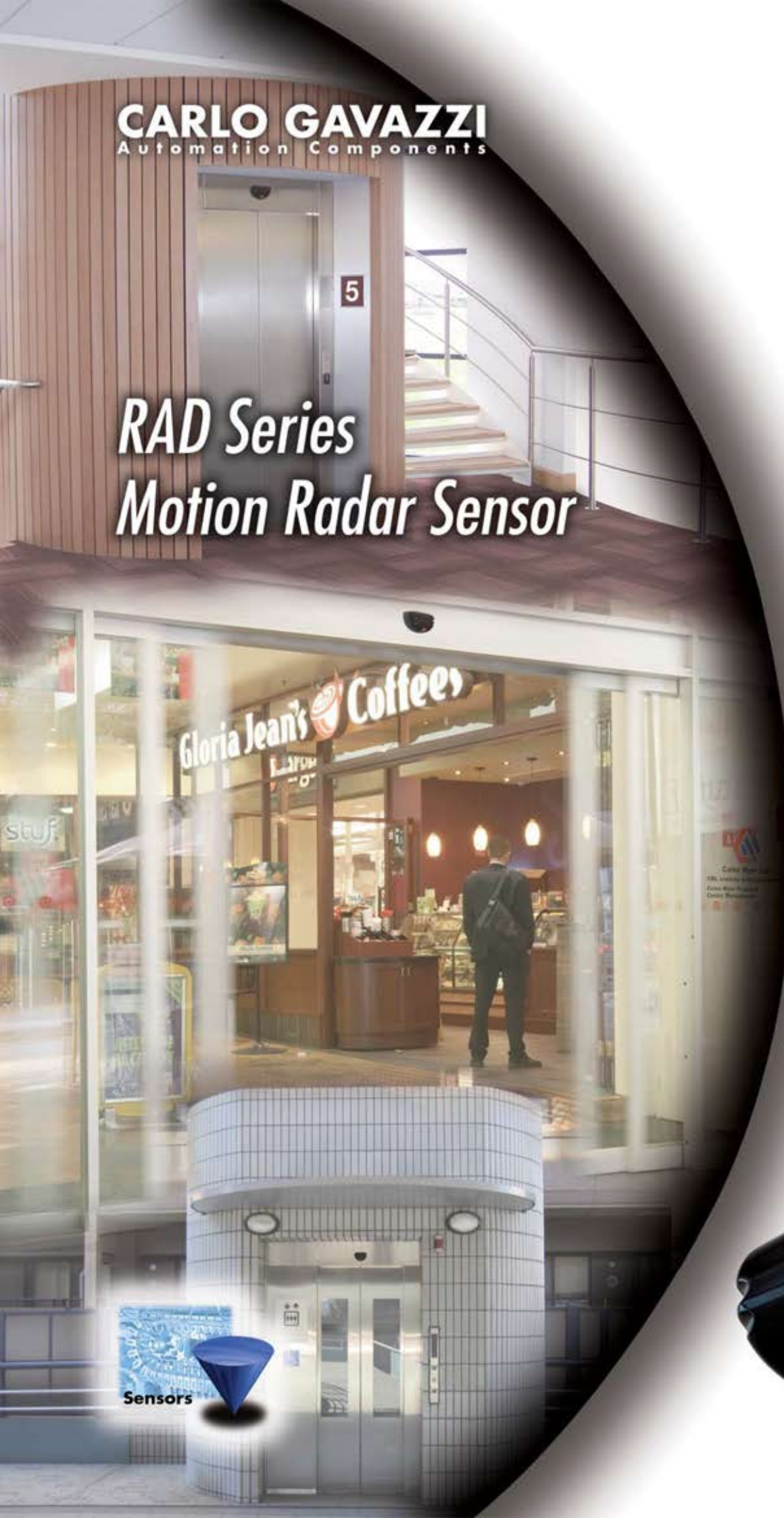


CARLO GAVAZZI
Automation Components



RAD Series Motion Radar Sensor



RAD Series Motion Radar Sensor

Carlo Gavazzi, a leading manufacturer of industrial and commercial door and gate automation products has introduced a new family of motion radar sensors, the RAD Series. Operating in the K-band (24.125GHz), these new sensors can be used for trouble-free opening of all types of automatic doors (sliding, swinging, folding, revolving, high-speed doors, overhead doors, etc.), for commercial and pedestrian applications. Two different products are available in bi-directional (detecting motion towards and away from the sensor) or uni-directional and bi-directional (detecting motion towards or/and away from the sensor).



**Space
Optimization**



**Cost
Saving**



**Long Term
Reliability**



**Simplified
Set-Up**



Accuracy of the Device

3-D adjustability of the sensor position offers precise orientation of the activation pattern. Microprocessor technology allows the sensors to filter out possible weather condition interference (allowing for conditional outdoor use), and provides increased protection against external noises, such as cell phones, radios, and heaters.

Technology

The motion radar sensor activates automatic doors utilizing a doppler shift effect for detecting movements.

Comfort

All functions of the RAD Series can be controlled via an infrared remote controller, allowing for easy adjustments and modifications.

Quasi Presence Feature

With its Quasi Presence adjustment, the sensor can be programmed to open doors in the presence of slow moving people or objects, and to prevent doors from closing prematurely.

Approvals

All motion radar sensors are approved according to the related European and North American safety standards, including UL 325.

CE0682 **FC** **UL** US

ID:U7PRAD01-02

Market Applications

Doors & Entrances

Motion radar sensors are typically used for the free opening of all types of automatic doors (sliding, swinging, folding, revolving, high-speed doors, overhead doors, etc.). It is especially appropriate for environment with traffic flow, as well as in entrances and exits that must be opened automatically.

It also provides better accessibility for people with mobility problems, avoiding any risk of contact with doors such as the sliding doors.

Lift & Escalators

Radar motion sensors are suitable for lift cabin, access control and as starting sensors for escalators. Thanks to the uni-directional feature it prevents doors from closing when people are approaching the lift.

It also is a good solution when used to start an escalator when people are approaching it. Therefore the RAD Series provides a means to save energy when nobody is nearby.



Product Features

Mounting Height

They can be mounted at heights up to 4 meters (13 feet).

AC and DC Supply Voltage

All the devices can be supplied by 12 to 24VAC/DC, with the AC frequency being 50 to 60Hz.

Low Power Consumption

The power consumption of the device is less than 0.5W (VA).

Part Numbers

RAD 01	Bidirectional detection mode
RAD 02	Uni- and bi-directional detection mode
RAD 00 RC	Infrared remote controller

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