record RIC 290

Combined sensor device RIC 290 with microwave- and active infrared technology

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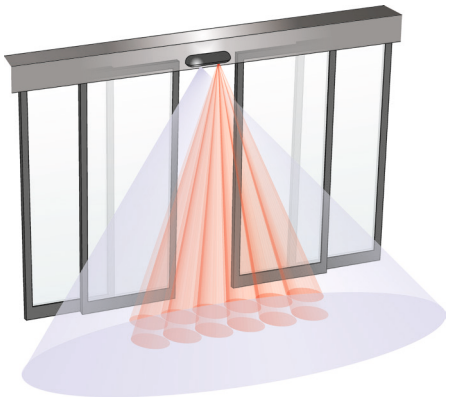
Brief description

The record RIC 290 sensor device uses microwave and active infrared technology. It is equipped with both a combination of motion and presence detectors that trigger opening and closing operations with a high level of security and reliability. The device actively communicates with the door control, and recognizes persons in the passage area. A light curtain also prevents collisions with the door leaves.

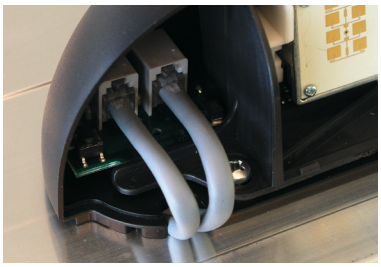


Permanent monitoring

The interacting communication protocol CAN-bus used in the record 290 series gives us two major benefits: ease of installation and outstanding level of safety due to 100% detection of all possible issues with the sensor.

The wiring is simple and extremely reliable, resulting in stable connectivity between sensors, the operating unit and the door drive.

The CAN-bus protocol technology comes from the automotive industry, allowing error diagnostics in the vehicle. Likewise, each component of the door system communicates with the other, and identifies them. Every malfunction occurring during operation is logged in a fault memory, and can be read during the next service. Interaction with the user or service personnel is on a very advanced level; feedback, modes and also messages are displayed on the user console monitor. The partly unstructured and lengthy troubleshooting of earlier times – particularly as a result of loose contacts – is ruled out.



Part of a system

A decisive contribution to the success of our products is the fact that we are one of the few manufacturers of automatic doors that develops and makes both the hardware and software found in our control and sensor devices. This enables us to implement the improvements made by our developers and engineers in the most effective way possible by allowing the coordination of individual improvements on an on-going basis.

Benefits

- Developed in parallel and perfectly harmonized with our record door drives
- System integration and self-learning capability
- Time saving, quick and simple commissioning
- Outstanding reliability due to CAN-bus technology

Commissioning

The commissioning of the sensors occurs via record FPC 902, the standard tool for our automatic door systems. You choose from 5 pre-programmed scenes (standard, supermarket, nursing home, pavement, niche), adjust field dimensions and other parameters like filter settings. After the automatic self-learning procedure the set-up is completed.

Technical Specifications

Supply voltage	11 – 31 VDC
Connected load	< 2 W
Installation height max.	3 m
Protection class	IP 54
Motion detector RAD	
Frequency	24.125 GHz
Power output	< 10 mW
Performance level	PL "d", Cat. 3
Response time, max.	< 50 ms
Presence detector AIR	
Wavelength infrared	870 nm
Performance level	PL "c", Cat. 2
Response time, max.	< 500 ms

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Local sales contacts: www.record.group/countries

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