

RO570900

Sensor for automatic industrial doors

Dimensions **270 x 58 x 57mm**

Installation height 2 ... 4m



- / 2 x 24 IR-Spots
- / Radar sensor with large detection field
- / LCD-Display
- / Adjustable detectopn zone
- / Cable connection

**Motion- and presense-
sensor for industrial doors**



Description

The **RO570900** combines two technologies: the radar senses any approaching movement towards the door, while the infrared technology senses the presence of people and objects in the area around the closing zone of the door.

48 infrared spots, distributed over 2 curtains, detect the presence in the immediate vicinity of the door closing area and prevent the door from touching people and / or objects.

A 32-Bit-microprocessor optimizes the processing from the environment and offers permanent performance and stability regardless of background changes.

The built-in LCD display shows text and symbol and facilitated the setting.

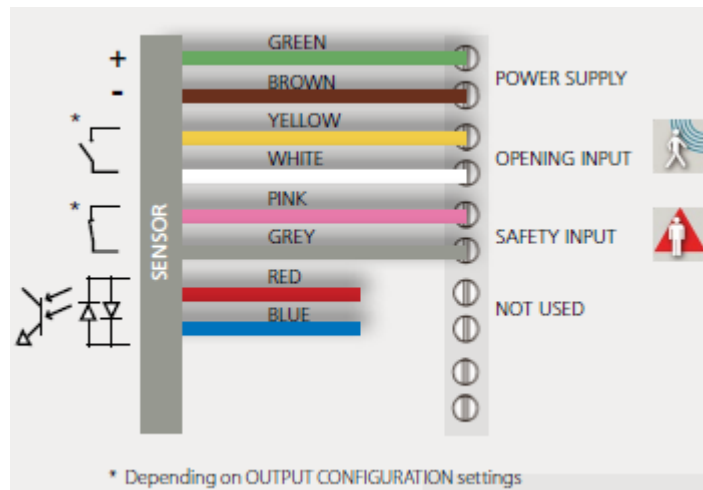
Four infrared spots, visible on the floor, appear during configuration. This means that the angle of inclination of the first safety curtain is easily and optimally aligned.

Technical data

Technology	Microwave doppler radar Transmitter frequency: 24.150 GHz Transmitter radiated power: < 20 dBm EIRP Transmitter power density: < 5 mW/cm2	Active infrared with background analysis Spot: 5 cm x 5 cm (typ) Number of spots: max. 24 per curtain Number of curtains: 2
Detection mode	Motion	Presence
Detection field	4.5 m x 2.5 m*	3.5 m x 0.5 m *
Tilt angle	15 °- 45 °	-7 ° - +4 ° (adjustable)
Output	Solid-state-relay (potential and polarity free) Max. contact current: 100 mA Max. contact voltage: 42 V AC/DC	Solid-state-relay (potential and polarity free) Max. contact current: 100 mA Max. contact voltage: 42 V AC/DC
Hold time output signal	from 0.5 s to 9 s (adjustable)	from 0.3 s to 1 s (not adjustable)
Min. detection speed/ Typical response time	5 cm/s	< 200 ms (max. 500 ms)
LED signals	Green	Red
Mains frequency	50 to 60 Hz	
Supply voltage	12V - 24V AC +/- 10 % 12V - 30V DC - 5%/+10% (to be operated from SELV compatible power supplies only)	
Mounting height	2 m to 4 m **	
Dimensions	269.3 mm (L) x 57.3 mm (H) x 57.9 mm (W)	
Materials/ colour	ABS + LURAN S/ Black or white	
Temperature range	-25°C to +55°C; 0-95% relative humidity, non condensing	
Protection degree	IP54	
Norm conformity	RED 2014/53/EU; RoHS 2 2011/65/EU	

* at 3,5m mounting height/ ** depending on size and nature off he target

Connection area:



ACCESSORY



Remote control **AR000001**



Rain cover **AR000002**



Mounting plate **AR000003**



Infrared spotfinder **AO000293**

Warning: If this has a direct impact on personal safety, the use of these products is prohibited.