

# Secumatic

## Sensors

Pedestrian detection

Radar 520

Information here needs to be added.



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**SECUMATIC B.V.**

SUPPLIER OF SOLUTIONS IN ACCESS-, SECURITY- AND AUTOMATION-TECHNOLOGY

- The latest generation of door radar
- small and compact design
  - high accuracy
  - high sensitivity
  - large, adjustable coverage
  - high immunity to interference
  - fast response time
  - wall or ceiling mounting
  - integrated weather roof optional



Radar 520



Radar-remote

## Technical Data

Operating principle	Microwave module	Ambient temperature	-20 °C to 60 °C / 248 - 333 K
Detection speed	min. 0.1 m/s (measured in sensor axis)	Relative humidity	Max. 90%, not condensing
Approvals	CE	Installation height	Max. 4000 mm
Detection field angle	0° - 90° in 5° steps	Degree of protection	IP 54
Sensing range	At inst. height of 2200 mm and 30° angle: Wide: 4500 x 2000 mm (WxD) Narrow: 2000 x 4500 mm (WxD)	Connection	4-pin connecting plug (2 m connecting cable with preassembled connecting plug included in delivery package)
Operating frequency	24.05 GHz - 24.25 GHz K band	Housing material	ABS
Operating mode	Radar motion sensor	Weight	130 g
Function display	Red LED	Transmitting power	< 20 dBm EIRP
Operating controls	Potentiometer for adjusting sensitivity Predetermined breakaway tab for relay switching mode	Dimension without weather cap:	101 mm (w) x 61 mm (h) x 59 mm (d)
Operating voltage	12 - 36 V DC / 12 - 28 V AC	Dimension with weather cap:	120 mm (w) x 73 mm (h) x 74 mm (d)
Current consumption	< 50 mA		
Power consumption	< 1.7 W at 36 V DC   < 1.2 W at 28 V AC		
Signal output	Relay, 1 NO contact		
Operating mode	Active/passive		
Switching voltage	Max. 48 V AC / 48 V DC		
Switching current	Max. 0.5 A AC / 1 A DC		
Switching power	Max. 24 W / 60 VA		
Off-delay time	0.5 s		

## Ordering Information

- Radar 520 Stereo radar motion detector with directional detection
- Radar 500 Mono radar motion detector
- Radar-remote The remote control

Warranty Secumatic B.V., the product described herein for a period of 2 years under normal use and service from the date of sale to our customer. The product will be free from defects in material and workmanship. This warranty does not cover ordinary wear and tear, abuse, misuse, overloading, altered products, or damage caused by the purchaser from incorrect connections, installation or lightning damage. There is no warranty of merchantability. There are no warranties expressed, implied or any affirmation of fact or representation which extend beyond the description set forth herein. Secumatic B.V. sole responsibility and liability, and purchaser's exclusive remedy shall be limited to the repair or replacement at Secumatic's option of a part or parts not so conforming to the warranty. In no event shall Secumatic B.V. be liable for damages of any nature, including incidental or consequential damages, including but, not limited to any damages resulting from non-conformity defect in material or workmanship.

