

HAWK 1

PEDESTRIAN MOTION SENSOR

Applications

The HAWK 1 is a planar technology microwave detector working in the K band. It is the ideal solution for operating all types of automatic doors. It detects the movement of people in the monitored area.

Easy to install at a height of up to 3 meters (10ft.), it has a versatile mechanical orientation system for accurate positioning to the required coverage area.

The detection sensitivity and direction of movement (toward, away or both) are programmed by DIP switch setting. A microprocessor processes the received Doppler signals and provides a set of form C relay contacts for external connection.

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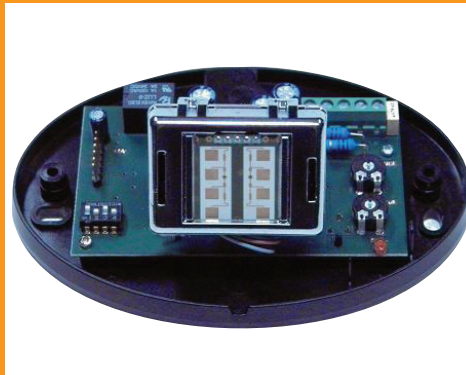
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Indicators & Controls

- Planar technology in K band
- Programmable functions
- Directional sensitivity, toward, away, both
- High coverage area resolution
- Easy installation and adjustment
- Degree of protection IP 55
- Wall or ceiling installation



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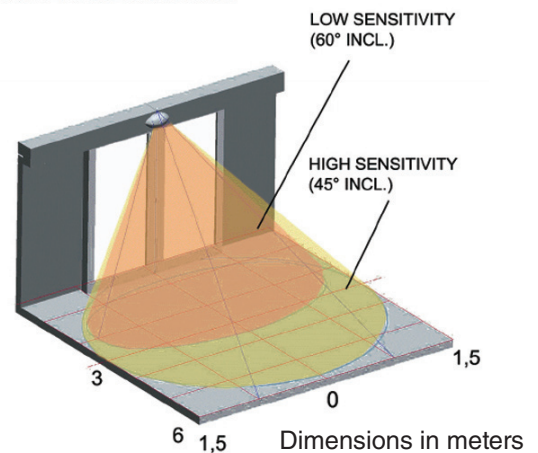


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Technical Data

Operating frequency	24.150 GHz
Output power (EIRP)	<20dBm
Detectable speed	0.1 m/s min.
Vertical directionality	0...60°
Horizontal directionality	+/- 45°
Installation height	Max. 3 m
Range	1...5 m adjustable
Relay control time	1...6 sec. adjustable
Relay output configuration	Form C (SPDT)
Relay contact rating	1A @ 24V AC/DC
Detection indicator	Red LED
Operating temperature	-4°F...122°F (-20°C...50°C)
Supply Voltage	12...24 VDC/VAC
Operating current	Max. 40mA
Dimensions	5.5"(140mm) x 4.0"(100mm) x 2.8"(70mm)
Weight	0.55lbs. (250 g)
Housing	ABS (plastic)
Connection	5 position terminal block
Mechanical protection	IP55

COVERAGE DIAGRAM



Ordering Information

- HAWK 1 Pedestrian motion sensor

WARRANTY EMX INC. 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, 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. EMX Inc. sole responsibility and liability, and purchaser's exclusive remedy shall be limited to the repair or replacement at EMX's option of a part or parts not so conforming to the warranty. In no event shall EMX Inc. 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. Rev 1.1 02/05/13