

# 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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**EMX**

INDUSTRIES

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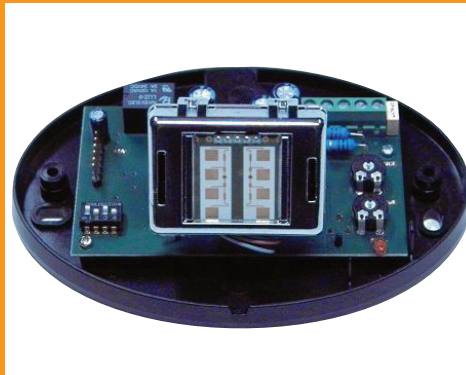
[www.emxinc.com](http://www.emxinc.com)

## 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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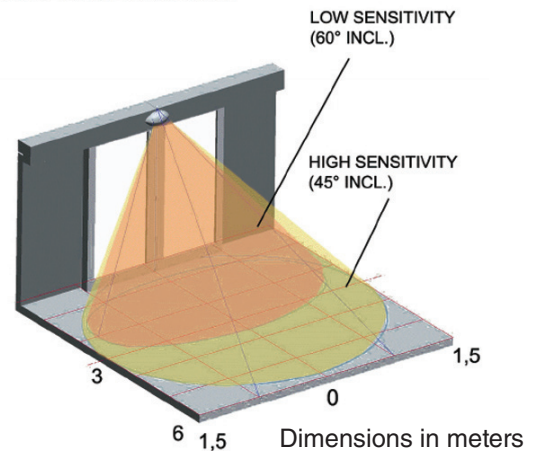


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## Technical Data

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

## COVERAGE DIAGRAM



## Ordering Information

- HAWK 1 Pedestrian motion sensor

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