

# HAWK 2

INDUSTRIAL MOTION SENSOR

## Applications

The HAWK 2 is a planar technology microwave detector working in the K band. It is the ideal solution for operating all types of fast doors and industrial gates. It detects the movement of people and vehicles in the monitored area. With an appealing style, it can also be used for operating automatic doors.

Easy to install at a height of up to 6 meters (20ft.), 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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## 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 65



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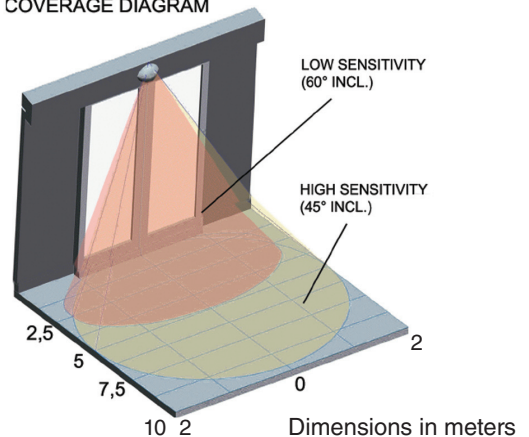


ADJUSTMENTS

## 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. 6 m                               |
| <b>Range</b>                      | 1...10 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>                 | 6.3"(160mm) x 3.8"(95mm) x 4.4"(110mm) |
| <b>Weight</b>                     | 1.0 lbs. (450 g)                       |
| <b>Housing</b>                    | ABS (plastic)                          |
| <b>Connection</b>                 | 6.5' (2m) cable                        |
| <b>Mechanical protection</b>      | IP65                                   |

COVERAGE DIAGRAM



## Ordering Information

- HAWK 2 Industrial 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 1.0 12/10/12