HR-Robus
Industrial Door Microwave Motion Sensor

Product Name
HR-Robus
Industrial Door Microwave Motion Sensor

Contact Information
MS SEDCO
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Product Description
BASIC USE
The HR Robus is a microwave motion sensor for activating automatic industrial doors. Features include a speed selectable switch that makes the unit capable of detecting pedestrians and/or vehicles. Detection mode is selectable between approach-only, depart-only, or bidirectional motion.

Microwave technology allows the HR-Robus to detect larger objects, such as forklift trucks, up to 26.3 feet away. Maximum pattern size is approximately 16.4 feet wide at 26.3 feet from the unit, at a mounting height of 23 feet, and is adjustable via programming, tilt angle, and mounting height. The HR-Robus is not affected by air motion, change in temperature, humidity, color or background variations.

Technical Data
- Unidirectional & Bidirectional Detection
- Can Be Mounted Up To 23 Feet Above Floor
- Easy To Install and Set-Up
- Easy Sensitivity and Hold Time Adjustments via Programming
- UV Stabilized ABS Plastic Enclosure
- Optional Robus-RC remote control for easy setup

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Model</th>
<th>HR-Robus</th>
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<tbody>
<tr>
<td>Frequency</td>
<td>24.150 - 24.250 GHz (K-Band)</td>
</tr>
<tr>
<td>Detection Method</td>
<td>Doppler Shift Radar</td>
</tr>
<tr>
<td>Detection Pattern</td>
<td>Selectable, via tilt angle and mounting height</td>
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<tr>
<td>Detection Angle</td>
<td>Adjustable, in 15° increments</td>
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<tr>
<td>Directionality</td>
<td>Selectable, Unidirectional or Bidirectional</td>
</tr>
<tr>
<td>Range</td>
<td>Adjustable (via tilt angle, programming, and mounting height)</td>
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<tr>
<td>Max. Mounting Height</td>
<td>23’ (7m)</td>
</tr>
<tr>
<td>Power Requirements</td>
<td>12 to 28V AC or 12 to 36VDC</td>
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<tr>
<td>Current Consumption</td>
<td>50mA @ 24V DC</td>
</tr>
<tr>
<td>Power Consumption</td>
<td>&lt;1W</td>
</tr>
<tr>
<td>Relay Outputs</td>
<td>Vehicle Relay Output, N.O./N.C.</td>
</tr>
<tr>
<td>Pedestrian Relay Output, N.O./N.C.</td>
<td></td>
</tr>
<tr>
<td>Hold Time</td>
<td>Adjustable, 0.5 to 300 Seconds</td>
</tr>
<tr>
<td>Temperature</td>
<td>-22°F to 140°F (-30°C to 60°C)</td>
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</tbody>
</table>

Color | Flat Black |
Enclosure | Ground plate ABS, Cover Polycarbonate |
Weight | 0.7 lb. (320g) without cable |
| 1.4 lb. (650g) with cable |
Size | 5.16”W x 2.87”H x 3.86”D |
| 131mmW x 73mmH x 98mmD |

Optional Robus-RC Remote Control
APPLICABLE STANDARDS
American National Standards Institute (ANSI) - Building Hardware Manufacturer’s Association (BHMA) - ANSI/BHMA A156.10.

APPROVALS
FCC, CE, IC

Detection Area
Installation Height 16.4’ (5m)

Availability & Cost
AVAILABILITY
Available internationally from manufacturer’s authorized distributors; contact MS SEDCO for the location of nearest distributor.

COST
Cost information on MS SEDCO products is available from the manufacturer’s distributors.

Warranty
A three year warranty is available from the manufacturer covering defects in materials and workmanship. Contact MS SEDCO for details.

Technical Services
MS SEDCO’s staff of factory trained sales and service personnel offer design assistance and technical support. Local distributors are also available to assist in selecting appropriate devices for specific uses and to provide onsite installation.