

Falcon

The world's only
overhead industrial
sensor capable of
parallel traffic
discrimination!



***The ultimate industrial
door sensor solution!***

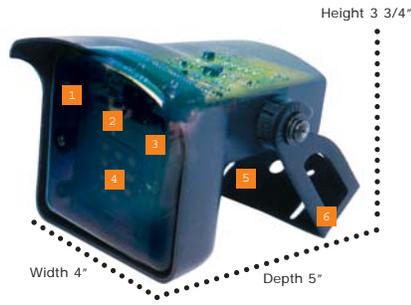
Quality, Intelligence, Precision

- Fully customizable to your application
 - Allows for uni- or bi-directional sensing, plus the unique ability to open a door when traffic is moving away from the sensor only.
 - Ability to discriminate between pedestrian and vehicular traffic.
 - Excellent, economical alternative to loop detectors.
- Universal compatibility with an industrial door
 - Falcon is compatible with multiple industrial applications; roll-up door, high speed door, cold storage door, industrial sliding door or warehouse doors.
 - Sensor can be set vertically from 0 degrees to 180°.
 - An optional extension bracket allows the Falcon to be mounted up to 3 ft. away from the face of the door.
- Tough construction to handle the most extreme condition
 - The ABS/polycarbonate construction is NEMA-4 rated (completely dust proof and weatherproof) and can operate from -22 degrees to +140°
 - Offers high immunity to electrical, mechanical, weather-related, and radio interferences.
- Fast and easy set-up and tune-up
 - All key parameters of the sensor - such as sensitivity, relay hold time and configuration, pedestrian discrimination, and detection mode - can be made via remote control. All adjustments can easily be made from the ground level - no ladders required.

Heavy-Duty Extension Bracket extends up to 3' from the wall



The remote control allows you to easily modify your Falcon settings



Falcon Components

- 1 Green LED
- 2 Receiver
- 3 Red LED
- 4 Planar antenna
- 5 NEMA 4 connector
- 6 Adjustable mounting bracket
- 7 HD bracket
- 8 Remote control

Falcon Technical Specifications

| | |
|--------------------------------|---|
| Technology | Microwave and microprocessor |
| Transmitter frequency | 24.125 GHz |
| Tilt angle | 0° to 180° in elevation |
| Detection mode | Movement |
| Minimum detection speed | 2.2 in/sec (in the sensor axis) |
| Supply voltage | 12V to 24V AC +/- 10% 12V to 24V DC +30%/ -10% |
| Supply frequency | 50 to 60Hz |
| Power consumption | < 2W |
| Mounting height | Typical: 11.5 ft. to 23ft. XL: 6.5 ft. to 11.5 ft. |
| Output relay | Switch over contacts, free of potential charge-over contacts, Normally Open and Normally Closed |
| Max switching current | 1A (resistive)/5 Amp max Draw |
| Hold time | 0.5sec to 9sec (adjustable) |
| Temperature range | -22°F to + 140°F |
| Degree of protection | IP65 (NEMA 4 enclosure) |
| Dimensions | 5" (D) x 4" (W) x 3.75" (H) |
| Weight | 0.8 lbs |
| Material | ABS and Polycarbonate |
| Bracket | black anodized aluminum |
| Cable length | 33 ft. |
| Cable diameter | 0.1" (minimum) / 0.2" (maximum) |

Contact Information

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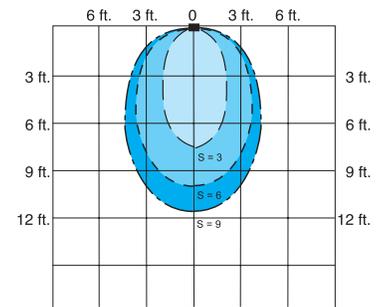
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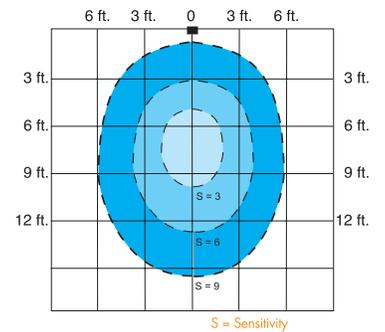
Applications



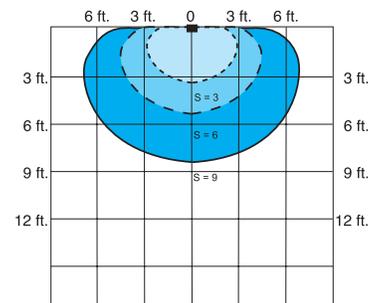
Sensing Fields



H=11' / Tilt angle=30



H=16' / Tilt angle=30



H=8' / Tilt angle=30 (XL Version)