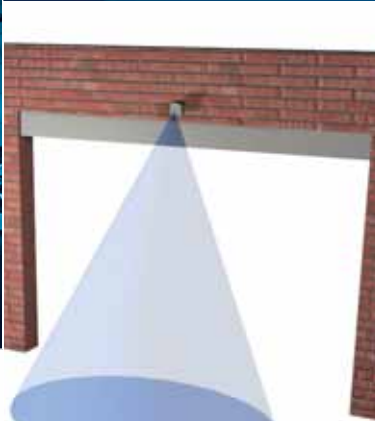


THE FALCON INDUSTRIAL

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



**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 door applications. 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 +122°. 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.

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A HALMA COMPANY



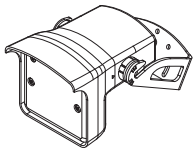
Member
American Association of
Automatic Door Manufacturers
AAADM



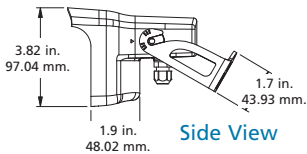
THE FALCON INDUSTRIAL

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

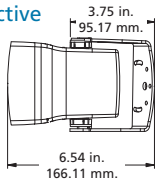
DIMENSIONAL DRAWINGS



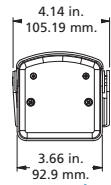
3D Perspective



Side View



Top View



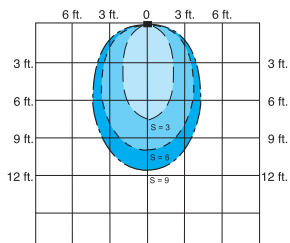
Front View

APPLICATION

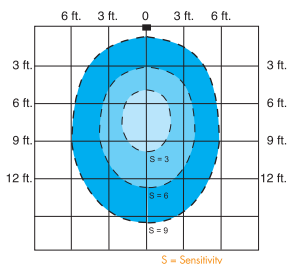


■ Microwave detection pattern for industrial doors

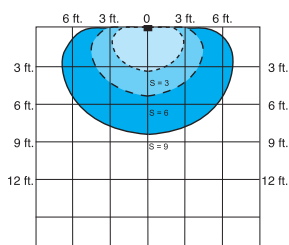
SENSING FIELDS



H=11' / Tilt angle=30



H=16' / Tilt angle=30



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

TECHNICAL SPECS

Technology
Microwave and microprocessor
Transmitter frequency
24.125 GHz
Transmitter radiated power
<20 dBm EIRP
Transmitter power density
< 5 mW/cm²
Mounting height
FALCON
from 11.5 ft. to 23 ft.
FALCON XL (Extra Low)
from 6.5 ft. to 11.5 ft.
Tilt angle
0° to 180° in elevation
Detection zone (typical)
Wide pattern (FALCON XL)
13 ft. (W) x 6.5 ft. (D)
for a mounting height of 8.2 ft.
Narrow pattern (FALCON)
13 ft. (W) x 16 ft. (D)
for a mounting height of 16 ft.
Detection mode
movement
Minimum detection speed
2.2 in./s
Supply voltage
12V to 24V AC +/- 10%
12V to 24V DC +30% / -10%
Main frequency
50 to 60 Hz
Power consumption
< 2W
Output relay
free of potential changeover
contact
Max contact voltage
42V AC/DC
Max contact current
1A (resistive)
Max switching power
30W (DC) / 60 VA (AC)
Hold time
0.5s to 9s (adjustable)
Manual adjustment
• orientation of sensing field
(mechanically)
• multiple functions
(by push buttons).
Temperature range
-22°F to 122°F (-30°C to +60°C)
Degree of protection
IP65
Product conformity
R&TTE 1999/5/EC
EMC 89/336/EEC
Dimensions
5 in. (D) x 4 in. (W) x 3 3/4 in. (H)
Weight
0.88 lbs
Housing Material
ABS and Polycarbonate
Bracket Material
black anodized aluminum
Cable length
33 ft.

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

RELATED PRODUCTS



BodyGuard

SuperScan

EagleHM

24Vac Transformer Bodymount IRIS I

CONTACT INFORMATION

BEA Inc.
RIDC Park West
100 Enterprise Drive
Pittsburgh PA, 15275
Phone 1.412.249.4100
Fax 1.888.523.2462
BEA West
190 East
Arrow Highway Suite A
San Dimas, CA 91773-3314
Phone 1.877.232.9378
Fax 1.888.523.2462

