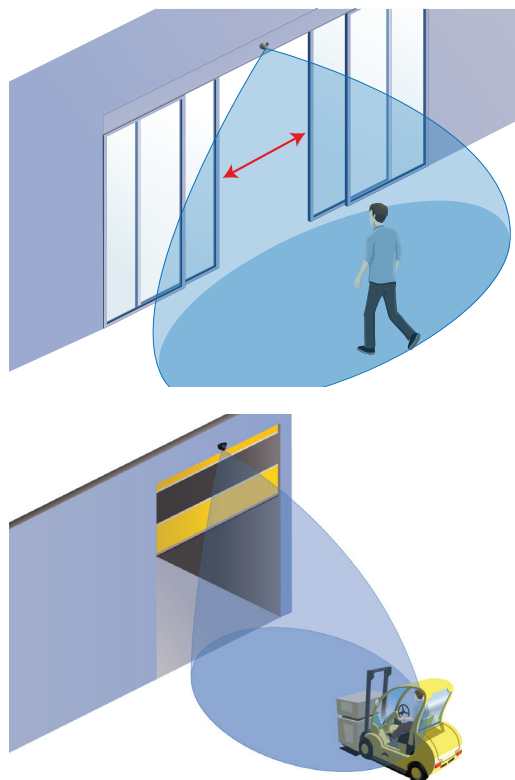


EAGLE FAMILY

OVERHEAD ACTIVATION SENSOR FOR AUTOMATIC DOORS



PRIMARY APPLICATIONS



DESCRIPTION

BEA's Eagle is an overhead motion sensor designed for the activation of automatic pedestrian doors.

The Eagle is universally compatible with all makes and models of swinging, sliding and revolving automatic doors.

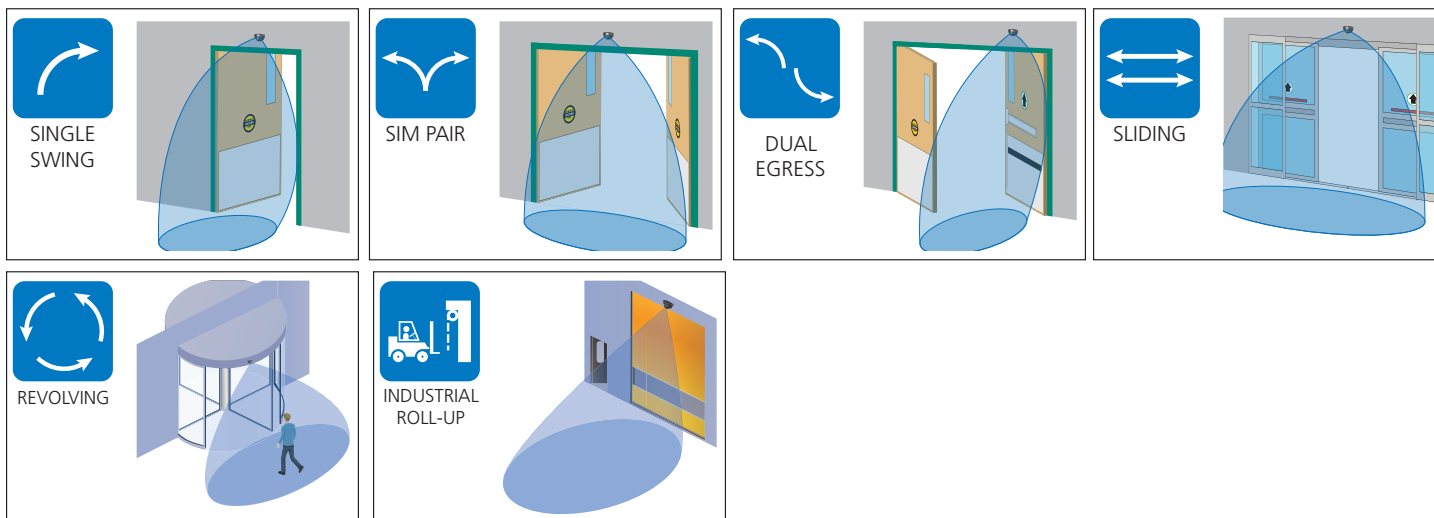
BEA's Eagle is capable of exceeding ANSI standards and meeting current FCC requirements.

Unidirectional radar increases energy efficiency by detecting approaching traffic while filtering motion away from the door.

FEATURES & BENEFITS

- Energy savings due to unidirectional detection capability
- Narrow and wide antennae included
- Advanced microprocessor screens out interferences caused by rain, snow, radio frequency and header vibration
- Motion detection feature can detect traffic moving as slow as 2.2 in./ sec.
- Compact, low profile design
- **Industrial high-mount option available (up to 16.5 feet)**

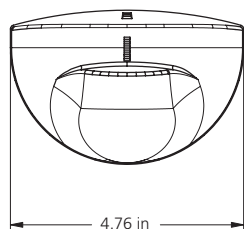
APPLICATIONS



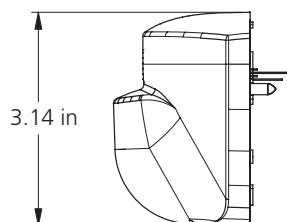
TECHNICAL SPECIFICATIONS

Technology	Microwave Doppler Radar
Detection Mode	Motion
Transmitter Frequency	24.150 GHz
Transmitter Radiated Power	< 20 dBm EIRP
Transmitter Power Density	< 5 mW/cm ²
Minimum Detection Speed	2 in/s (measuring based on optimal conditions)
Mounting Height	Eagle - 72 in to 120 in (6 ft to 10 ft) Eagle HM - 120 in to 198 in (10 ft to 16.5 ft)
Supply Voltage	12 to 24 V AC $\pm$ 10%; 12 to 24 V DC +30% / -10%
Mains Frequency	50 to 60 Hz
Maximum Power Consumption	< 2 W
Output	Relay (free of potential change-over contact) Maximum Contact Voltage 42 V AC / DC Maximum Contact Current 1 A (resistive) Maximum Switching Power 30 W (DC) / 60 VA (AC)
Cable Length	Eagle 96 in (8 ft) Eagle HM 360 in (30 ft)
Degree of Protection	IP54
Tilt Angles	0° to 90° vertical; -30° to +30° lateral
Norm Conformance	R&TTE 1999/5/EC; EMC 2004/108/EC

DIMENSIONAL DRAWINGS

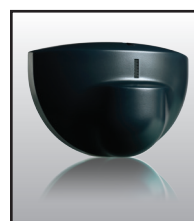


FRONT

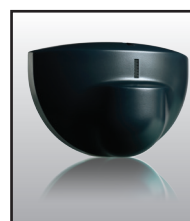


SIDE

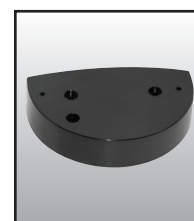
RELATED PRODUCTS



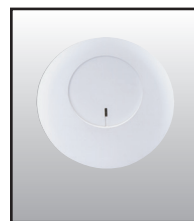
10EAGLE
MICROWAVE
MOTION SENSOR



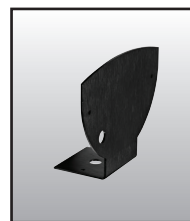
10EAGLE1HM
HIGH MOUNT FOR
INDUSTRIAL DOORS



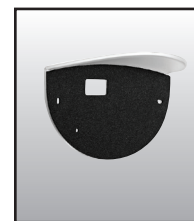
10EAGLESPACER
EXTENSION
SPACER



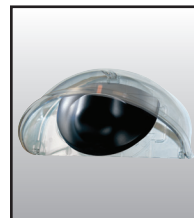
10ECA
FLUSH MOUNT
CEILING ADAPTER



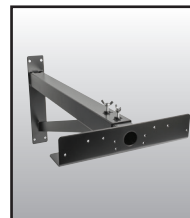
10EMB
MOUNTING BRACKET
ADAPTER



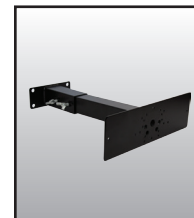
10ERA
STANDARD
RAIN COVER



10ERC
DELUXE
RAIN COVER



10INDBRACKET
INDUSTRIAL
MOUNTING BRACKET



10MINIBRACKET
SHORT ADJUSTABLE
MOUNTING BRACKET



10REMOTE
SENSOR SETUP
REMOTE CONTROL

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EAGLE FAMILY

OVERHEAD ACTIVATION SENSOR FOR AUTOMATIC DOORS

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Technical Support: 800.407.4545



BEA
A HALMA COMPANY

THE EAGLE PEDESTRIAN

Motion Detector
for Automatic Doors



**Quality
Intelligence
Precision**

Utilizing K band microwave technology the Eagle is universally compatible with all swinging, bi-folding and automatic doors while avoiding any interference from cell phones and CB radios.

The Eagle's technologically advanced microprocessor screens out interferences caused by rain, snow, radio frequency and header vibration. Slower moving individuals are also protected by the Eagle's highly sensitive 2.2 inches per second motion detection feature.

While exceeding ANSI standards and meeting FCC requirements the Eagle also employs sophisticated motion tracking technology for unidirectional sensing when energy conservation is critical.

The adjustable 3-D planar antenna assures the activation pattern is positioned precisely where it needs to be according to traffic conditions.

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COMPANY



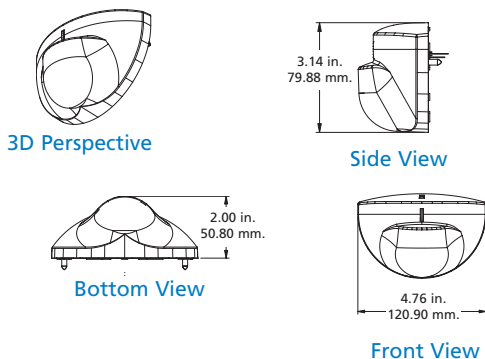
AAADM American Association of
Automatic Door Manufacturers

ARCAT

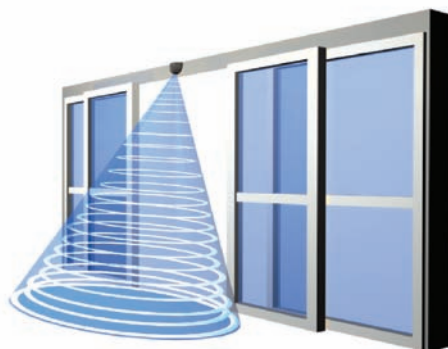


BEA
OPEN UP NEW HORIZONS

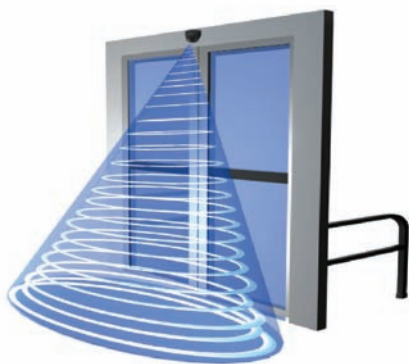
DIMENSIONAL DRAWINGS



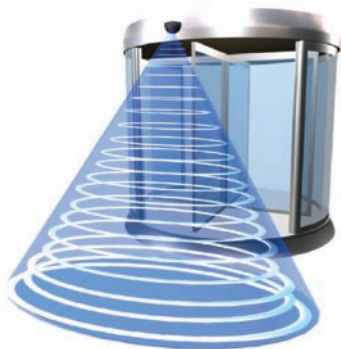
APPLICATIONS



- The Eagle's flat antenna provides a stable detection that can detect people approaching the door from odd angles.



- The Eagle offers extra immunity protection for precise activation zones needed on swinging doors.



- The Eagle provides a very wide and deep activation field, excellent for revolving doors.

TECHNICAL SPECS

Frequency

24.125 GHz

Supply voltage

12 to 24 VAC: $\pm 10\%$:

12 to 24 VDC: -10% / $+30\%$:

Mounting height

Normal

7'

Maximum

10'-0"

Tilt angle

0° to 90° vertical

-15° to +15° lateral

Detection area

Wide

13ft (W) x 6.5ft (D)

Narrow

6.5ft (W) x 8.2ft (D)

(supplied as optional)

Minimum detection speed

2.2 in/sec. (measured in axis)

Power consumption

< 2 W

Standard output relay

Max contact voltage

60 VDC / 125 VAC

Max contact current

1A (resistive)

Max switching power

30W (DC) / 60VA (AC)

Hold time

0.5 sec. to 9 sec. (adjustable)

Temperature range

-4°F to 131°F

Dimensions

4.75in (W) x 3.15in (H)

x 2.0in (D)

Weight

0.5lbs

Material

ABS

Housing color

Black. Can be painted with non-metallic paint

Cable length

6ft

THE EAGLE PEDESTRIAN

Motion Detector for Automatic Doors

EAGLE COMPONENTS



- 1 Removable plug connector
- 2 Remote controlled receiver
- 3 Serial communication connector
- 4 LED (detection indication)
- 5 Sensitivity adjustment buttons
- 6 Antenna bracket front adjustment
- 7 Planar antenna (wide or narrow)
- 8 Rotating drum for lateral adjustment
- 9 Remote Control

RELATED PRODUCTS



Contact Information

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