Universal Opening Sensor
for high mounting applications

- Effective Detection up to 17 ft. mounting heights
  perfect for large industrial doors.

- BEA’s K-Band microwave technology can detect
  movements at rates as slow as 2.2 in./second.

- 3-Mode directional sensing towards the door (Unidirectional),
  towards or away from the door (Bidirectional),
  or a combination of both (Motion Tracking Feature)
  for safety and energy efficiency.

- Easy set up with the BEA remote control eliminates the need
  for ladders and minimizes downtime with your industrial door.

- With adjustable relay hold times, normally open or normally closed contacts,
  the Eagle HM can accommodate any industrial door or gate application.

- Safe, reliable and fast detection for industrial applications.
INDUSTRIAL DOOR OPENING SENSOR
EAGLE HM

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

ERA
Rain cover accessory
EBA
Another mounting possibility
ECA
Accessory for mounting in false ceiling

Technology
microwave and microprocessor
Frequency emitted
24.125 GHz
Power density emitted
< 5 mW/cm²
Mounting height
10 to 17 ft.
Tilt angles
from 0° to 90° vertical / from -30° to 30° lateral
Detection area (typical)
13 ft. x 8.2 ft.
Detection mode
Motion: unidirectional / bidirectional / unidirectional with motion tracking
Detection speed (minimum)
2 in/sec. (measured in axis of sensor)
Supply voltage
12 V to 24 V AC ±10% / 12 V to 24 V DC +30% / -10%
Mains frequency
50 to 60 Hz
Power consumption
< 2 W
Output
1 maximum contact voltage
1 maximum contact current
1 maximum switching power
Output hold time
0.5 second to 9 seconds (adjustable)
Free Potential Contact / Dry Contact Relay
60 V DC / 125 V AC
30 W (DC) / 60 VA (AC)
Remote control adjustment
(Manual adjustments also available)
• sensitivity
• hold time
• immunity to vibrations (normal or strengthened)
• configuration of relay (active, passive, ON or OFF)
• Directional detection modes

Temperature range
-4°F to 131°F
Immunity electromagnetic compatibility
(EMC) in accordance with 89/336/EEC
Dimensions
4.75in. (W) x 3.15in. (H) x 2in. (D)
Weight
0.5 lbs.
Material
ABS
Housing color
anthracite gray [standard], aluminum finish or white
Cable length
12 ft.
Degree of protection
IP54

1 Connection block
2 Infrared receiver
3 Communication connector
4 LED
5 Sensitivity adjustment buttons
6 Antenna bracket front adjustment
7 Planar antenna
8 Ring for lateral adjustment

Sensing fields
Tilt Angle = 20°; Mounting Height = 15 ft.; Sensitivity = 9

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