

BeA 10EAGLE

BEA 10EAGLE Pedestrian Motion Detector User Manual

Model: 10EAGLE

INTRODUCTION

The BEA 10EAGLE Pedestrian Motion Detector is designed for use with automatic doors, providing sophisticated motion tracking and precise activation zones. This device offers enhanced energy conservation features and multiple motion detection options to suit various operational requirements. This manual provides essential information for the proper installation, operation, and maintenance of your 10EAGLE motion detector.

SAFETY INFORMATION

Please read all instructions carefully before installation and operation. Failure to follow these instructions may result in injury or damage to the device. Keep this manual for future reference.

- Ensure power is disconnected before performing any installation, wiring, or maintenance.
- Installation should be performed by qualified personnel in accordance with local electrical codes and regulations.
- Do not expose the device to excessive moisture or extreme temperatures.
- Use only specified power sources and wiring as detailed in the wiring instructions.
- Verify proper operation after installation and before regular use.

SETUP AND INSTALLATION

The BEA 10EAGLE is designed for wall mount installation. Proper setup is crucial for optimal performance and safety.



Figure 1: Front view of the BEA 10EAGLE Pedestrian Motion Detector. This image shows the compact, black housing with a red indicator

Mounting

The device is designed for wall mounting. Select a location that provides an unobstructed view of the detection area for automatic doors. Ensure the mounting surface is stable and capable of supporting the device's weight.

Wiring

The 10EAGLE operates on a corded electric power source. Wiring connections are specific and may differ from other sensors. **It is imperative to consult the detailed wiring instructions provided with the product packaging for correct connections.** Incorrect wiring can lead to malfunction or damage. Pay close attention to the terminals for power input and signal output to the automatic door system.

Configuration and Adjustment

The 10EAGLE features extra immunity protection and allows for precise activation zone adjustments. Refer to the product's specific configuration guide for details on setting detection parameters, including sensitivity and detection field size. This ensures the sensor accurately detects pedestrians while minimizing false triggers.

OPERATING INSTRUCTIONS

The BEA 10EAGLE utilizes sophisticated motion tracking to detect pedestrian movement for automatic door activation. It can detect speeds as low as 2.2 inches per second, ensuring reliable operation even for slow-moving individuals.

Motion Detection Options

The device offers three primary motion detection options:

- **Bi-directional:** Detects movement in both directions (approaching and departing) within the detection zone.
- **Uni-directional:** Configured to detect movement in a single direction, typically for entry or exit only.
- **Uni-MTF (Motion Tracking Feature):** A specialized uni-directional mode that enhances energy conservation by optimizing detection based on the direction of travel.

The selected detection option should align with the specific traffic flow requirements of the automatic door system. Refer to the product's advanced settings guide for instructions on switching between these modes.

MAINTENANCE

Regular maintenance ensures the longevity and reliable performance of your BEA 10EAGLE motion detector.

- **Cleaning:** Periodically clean the sensor's lens and housing with a soft, dry cloth. Avoid abrasive cleaners or solvents that could damage the surface.
- **Inspection:** Annually inspect the wiring connections for any signs of wear, corrosion, or looseness. Ensure the mounting is secure.
- **Functionality Test:** Regularly test the sensor's detection capabilities by walking through its activation zone to ensure the automatic door responds correctly.

If any issues are observed during maintenance, refer to the Troubleshooting section or contact support.

TROUBLESHOOTING

This section addresses common issues you might encounter with the BEA 10EAGLE motion detector.

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Door does not activate when approached.	No power to sensor. Incorrect wiring. Detection zone too small or misaligned. Sensor obstructed or dirty.	Check power supply and connections. Verify wiring against the provided instructions. Adjust detection zone settings. Clean sensor lens; remove obstructions.
Door activates without presence of a person (false trigger).	Detection zone too wide or sensitive. Environmental interference (e.g., moving objects, strong air currents).	Reduce sensitivity or narrow detection zone. Identify and mitigate sources of interference.
Sensor indicator light is off or blinking abnormally.	Power issue. Internal fault.	Check power connections. If problem persists, contact technical support.

For issues not covered here, or if troubleshooting steps do not resolve the problem, please contact BEA Incorporated technical support.

SPECIFICATIONS

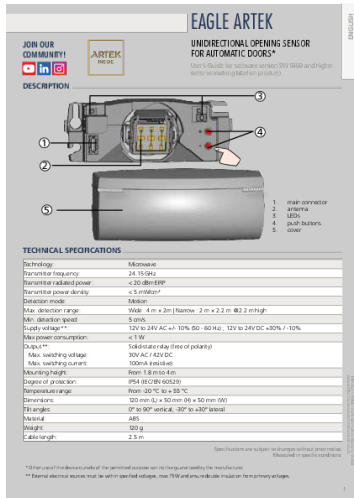
Feature	Detail
Brand	BeA
Model Number	10EAGLE
Color	Black
Power Source	Corded Electric
Mounting Type	Wall Mount
Item Weight	0.01 Ounces
Package Dimensions	6.14 x 4.45 x 3.35 inches
Recommended Uses	Walkway, Automatic Doors
Detection Speed	As low as 2.2 inches per second
Motion Detection Options	Bi-directional, Uni-directional, Uni-MTF

WARRANTY AND SUPPORT

For information regarding product warranty, please refer to the documentation included with your purchase or visit the official BEA Incorporated website. For technical assistance, troubleshooting beyond this manual, or replacement parts, please contact BEA Incorporated customer support directly.

Manufacturer: BEA Incorporated

Documents - BeA – 10EAGLE



[Eagle Artek Unidirectional Opening Sensor for Automatic Doors - User Guide & Specifications](#)

Comprehensive user guide for the BEA Eagle Artek Unidirectional Opening Sensor. Covers installation, technical specifications, settings, troubleshooting, and compliance for automatic door systems. Model SW 0100 and higher.

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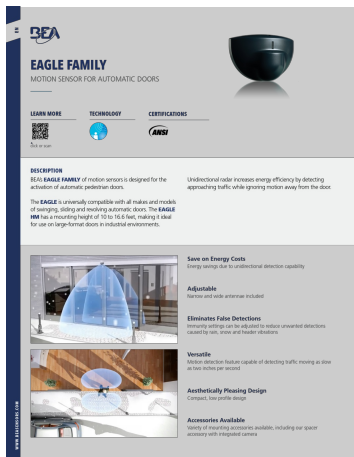


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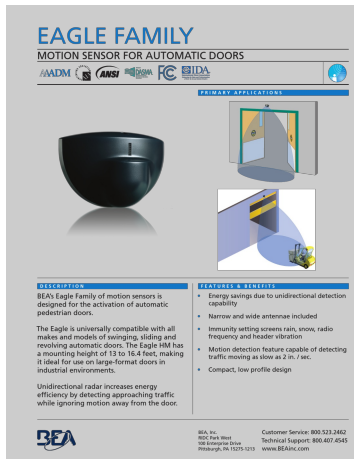


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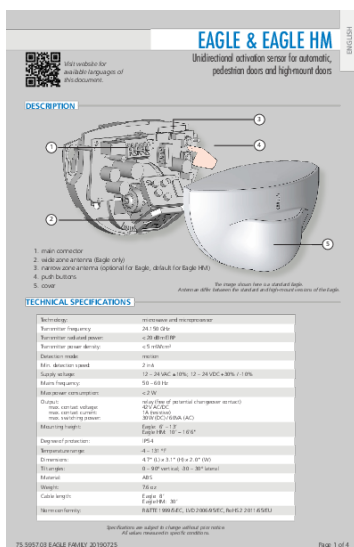


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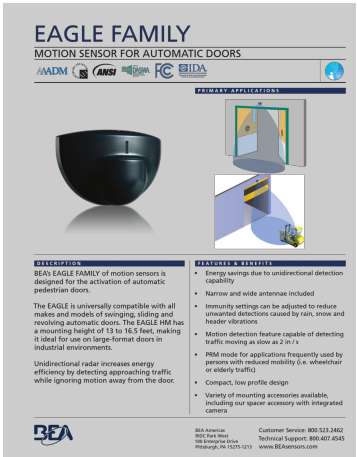
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