



BEA ARCHITECTURAL SPECIFICATION SHEET

Automatic and Industrial Door Solutions: Parallax Lite System

Product Specifications

Sensor System for fully automatic or Knowing Act swing doors that meets requirements of ANSI 156.10 (8.2.2.2). Combines use of overhead mounted presence sensors, door mounted presence sensors and header mounted activation sensors. System shall include door mounted sensors for pull side of the door only.

Activation Sensor – Swinging: Provide an automatic entrance door sensor capable of providing motion detection activation via microwave (motion detection) K-band (24.125GHz) technology.

1. Mounting Range Capabilities:
 - a. Mounting Height Standard: 84 in. to 120 in. (213.36 cm to 304.8 cm)
2. Thermal Range Requirements: Provide sensor that can be used in all climates, allow for thermal range from minus -4 degrees to 131 degrees Fahrenheit (-20 degrees Celsius to 55 degrees Celsius)
3. Activation portion of the sensor shall detect a 28 inch (71 cm) minimum high person, moving at a rate of 2.2 inches (5.6 cm) per second minimum toward the center of the door opening, within the detection areas described per ANSI 156.10
 - a. The sensor shall provide a maximum field of motion detection 13' (4 m) wide by up to 98 inches (248.92 cm) deep.
 - b. Microwave activation portion of the sensor shall have bi-directional, uni-directional or motion tracking sensing capabilities and utilize a flat planar antenna.
 - c. Provide a means to adjust the activation zone vertical angle from 0 degrees to 90 degrees as measured from the face of the door and from +15 to -15 degrees measured parallel to the face of the door.

Safety Sensor – Swinging (overhead mounted presence sensor or OHP): Provide an automatic entrance door sensor capable of proving presence detection via diffused active infrared technology. The overhead mounted presence sensor (OHP) shall detect stationary humans or equivalent within the sensing pattern. The sensor shall have a sensing pattern that is fully adjustable by remote control for sensitivity, pattern width and pattern depth. The overhead mounted sensor shall provide two independently adjustable patterns: One for the door closed position, and one for the door open position. For the door open position, the sensor shall enable an area of detection that reaches through the threshold by approximately 12 inches (30.48 cm) toward the non-swing side of the door.

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1. Mounting Range Capabilities:
 - a. Mounting Height: 84 inches to 108 inches (213.36 cm to 274.32 cm) above finished floor.
2. Thermal Range Requirements:
 - a. -22° F to 140° F (-5.5°C to 60 °C)
3. Safety portion of the sensor shall detect a 28 inch (71.12 cm) high person fully in the zone for a minimum of 30 seconds
 - a. Sensor shall provide two patterns – Open Door and Closed Door
 - b. Sensor shall provide mechanical adjustments from 0 degrees to +30 degrees
 - c. Utilize a remote control for all parameter adjustments
4. Adjustments to product must be made using a remote control
5. Product shall be installed by an AAADM certified inspector

Door Mounted Presence Sensor

1. Mounting range capabilities:
 - a. Mounting Height: Up to 108 inches (274.32 cm) above finished floor
2. Thermal range requirements: 30°F to 140°F (-1°C to 60°C)
3. Safety portion of sensor shall detect a 28 inch (50.8 cm) minimum high person. The sensor shall be mounted at the top rail of the door(s) – mid-rail mounted (or equivalent) devices shall not be acceptable. The sensor, upon detection, shall provide a relay output to serve as a switch to stop, slow, or reverse the door action. The sensor shall utilize a master and slave module configuration – up to 8 slave modules may be added to accommodate wide doors.
4. The door-mounted sensor provides protection during door travel. The sensor utilizes a “distance measurement” method of detection, and thus is not susceptible to false detections due to ever-changing background environments.
5. Sensor Dimensions: Available in lengths from 13 in. to 102 in. W x 1.89 in. H x 1.95 in. D (33.02 cm to 259.08 cm W x 4.82 cm H x 4.95 cm D) (width to suit door size).
6. Finish: Black anodized aluminum extrusion with black ABS end-caps.

Note to Specifier:

For 2-way traffic applications, an additional Eagle motion sensor is required at the swing side, beyond the swing-path of the door. The industry safety standard discourages this application. Additional requirements, not sensor related, may also be required.

Please specify the following for each respective application:

Parallax IILite – Single Swing

Parallax IILite – Double Swing

Parallax IILite DE – Dual Egress

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Technical Specs:

Bodyguard Technical Specifications			
Detection Zone (D x W) Closed Door: Open Door:	48 in. x 84 in. (Max.) (121.92 cm x 213.36 cm) 60 in. x 84 in. (Max.) (152.4 cm x 213.36 cm)		
Dimensions (L x W x H)	11.8 in. x 1.9 in. x 1.9 in. (29.97 cm x 4.83 cm x 4.83 cm)		
Supply Voltage	12 to 24 V AC/DC $\pm 10\%$ 50 to 60 Hz		
Operating Temperature	-22°F to 140°F (5.5°C to 60°C)		
Mounting Height	72 in. to 96 in. (182.88 cm. to 243.84 cm) (Recommended) 108 in. (274.32 cm) Max.		
Mounting Angle Bodyguard Only With Bodymount	Bodyguard Only: +5° (Default), +10° With Bodymount: 0°, +5°, +10°		
Max. Relay Output Contacts Max. Switching Power	60 VDC, 125 VAC; 1A 30 W (DC), 60 VA (AC)		
Relay Hold Time	0.5 to 9 s		
Immunity	Sunlight, HF Lamps, Radio/Electrical		

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	Frequencies		
Materials	ABS Plastic (Lens) Black Anodized Aluminum (Body); Ready To Pain		
Technology	Diffused Active Infrared		
Weight	1 lb, 11 oz (765 g)		

SuperScan Technical Specifications

Technology	Focused Active Infrared	Output Maximum Contact Rating Hold Time	Single Relay 1 A @ 30 V (resistive) 0.1 to 4.5 seconds
Detection Mode	Presence	Response Time	< 50 ms
Measurement of Distance	Triangulation	Material	Aluminum, ABS plastic / acrylic
Adjustable Detection Range	Minimum: 27 in. (68.58 cm) Maximum: 144 in. (365.76 cm)	Housing Color	Dark Bronze Anodized
Temperature Range	-30°F to 140°F (-34°C to 60°C)	Maximum Number of Modules	1 – 10; 1 Master + up to 8 Slaves
Supply Voltage	12 to 24 VAC / VDC; ±10%	Degree of Protection	IP53
Relay Hold Time Potentiometer Range	0.1 s to 4.5 s		

Eagle Technical Specs

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Technology	Microwave
Transmitter Frequency	24.150 GHz
Transmitter Radiated Power	< 20 dBm EIRP
Transmitter Power Density	< 5 mW/cm ²
Detection Mode	Motion
Minimum Detection Speed	2 in/s (<i>measuring based on optimal conditions</i>)
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 Maximum Contact Voltage Maximum Contact Current Maximum Switching Power	Relay (<i>free of potential change-over contact</i>) 42 V AC/DC 1 A (resistive) 30 W (DC) / 60 VA (AC)
Degree of Protection	IP54
Tilt Angles	0° to 90° vertical; -30° to +30° lateral
Norm Conformity	R&TTE 1999/5/EC; EMC 2004/108/EC

Dimensions:

Bodyguard

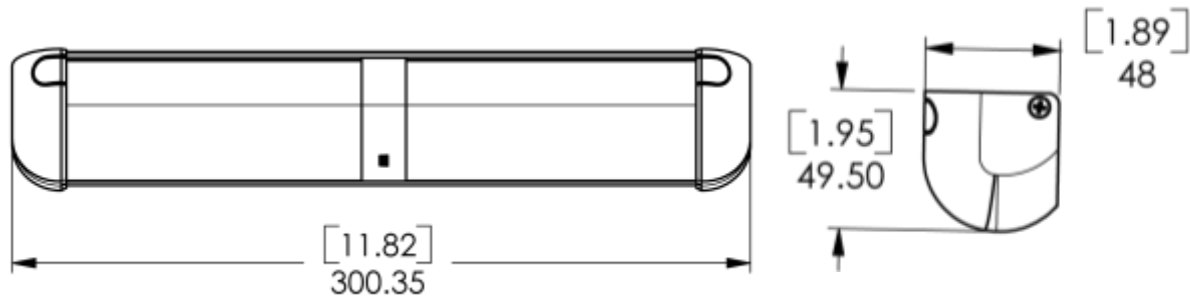
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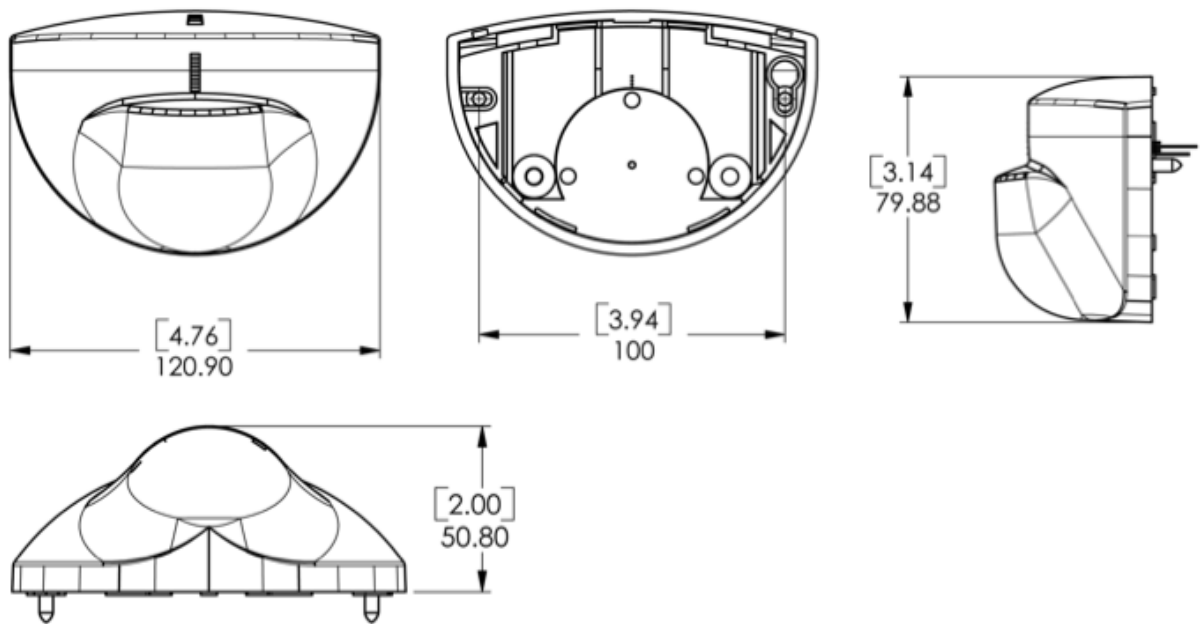


SuperScan

LENGTHS:

10SSI13	- 330mm (13 in)
10SSI	- 876mm (34.5 in)
10SSII	- 876mm (34.5 in)
10SSIII	- 876mm (34.5 in)
10SSII40	- 1013mm (40 in)
10SSII42	- 1067mm (42 in)

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