



# SPARROW

VARIABLE MOUNT INDUSTRIAL MOTION SENSOR



## PRODUCT



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## TECHNOLOGY



## CERTIFICATIONS



## DESCRIPTION

BEA's **SPARROW** is a highly flexible motion sensor designed to detect people and vehicles in a variety of industrial, security and pedestrian applications.

The **SPARROW**'s adjustable microwave antenna can be rotated  $\pm 120$  degrees to create different sensing fields, capable of detecting bi-directional traffic (two way), unidirectional (approach only) and unidirectional away (departure only).

The **SPARROW** is designed to operate in industrial or harsh environments. It is ideal for motion detection applications including vehicle sensing, access control and warning indication.



### Flexible Mounting

Mounting height from 6 ½ feet to 20 feet

### Adjustable For Optimal Detection

Ten sensor sensitivity settings can be applied to optimize detection



### Weather Resistant

IP64 rated enclosure for industrial and harsh environments

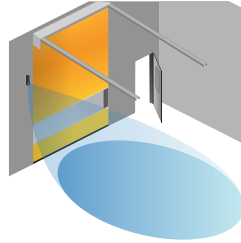
### Customizable Settings

Immunity settings can be adjusted to reduce unwanted detections caused by rain, snow and header vibrations

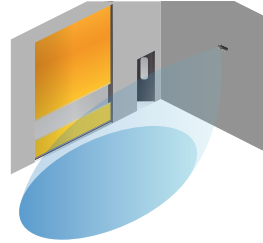
## APPLICATIONS



Versatile Mounting Options



Industrial Doors



Side Mount / Multiple



Warning Indication



Request To Exit



Light Activation

## TECHNICAL SPECIFICATIONS

<b>Technology</b>	Microwave Doppler Radar
Transmitter Frequency	24.150 GHz
Transmitter Radiated Power	< 20 dBm EIRP
Transmitter Power Density	< 5 mW / cm <sup>2</sup>
<b>Detection Mode</b>	Motion
<b>Tilt Angle</b>	0 – 90° vertical; -120 – 120° lateral
<b>Output</b>	Relay (free of potential change-over contact)
Max. Contact Voltage	42 VAC – 60 VDC
Max. Contact Current	1 A (resistive)
Max. Switching Power	30 W (DC) / 60 VA (AC)
<b>Minimum Detection Speed</b>	2 in / s (measured in the sensor axis)
<b>Frequency</b>	50 – 60 Hz
<b>Supply Voltage</b>	12 – 24 VAC ±10% 12 – 24 VDC; 30% / -10%
<b>Maximum Power Consumption</b>	< 2 W
<b>Mounting Height</b>	6½ – 20'
<b>Dimensions</b>	5½" (L) × 2¼" (H) × 2½" (W)
<b>Material</b>	ABS
<b>Color</b>	Black
<b>Weight</b>	5.8 oz
<b>Cable Length</b>	30'
<b>Temperature Range</b>	-22 – 140 °F
<b>Degree of Protection</b>	IP64
<b>Norm Conformity</b>	R&TTE 1999 / 5 / EC; EMC 2004 / 108 / EC

## PRODUCT SERIES



**10SPARROW**  
Variable mount  
motion sensor



**10REMOTE**  
BEA universal remote  
control



**10INDBRACKET**  
Industrial extension  
bracket

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