



# SPARROW

VARIABLE MOUNT INDUSTRIAL MOTION SENSOR



## LEARN MORE



click or scan

## 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



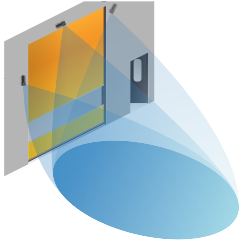
### Weather Resistant

IP64 rated enclosure for industrial and harsh environments

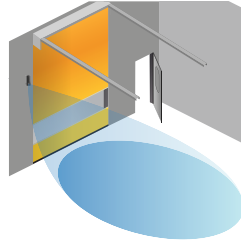
### Customizable Settings

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

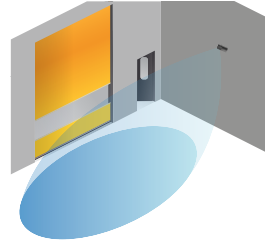
## APPLICATIONS



Versatile Mounting Options



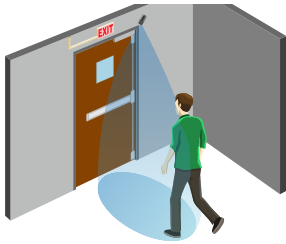
Industrial Doors



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

**DISCLAIMER** Information is supplied upon the condition that the persons receiving it will make their own determination as to its suitability for their purposes prior to use. In no event will BEA be responsible for damages of any nature whatsoever resulting from the use of or reliance upon information from this document or the products to which the information refers. BEA has the right without liability to change descriptions and specifications at any time.