

# FOCUS FAMILY

## FOCUSED ACTIVE INFRARED PRESENCE SENSORS



### PRIMARY APPLICATIONS



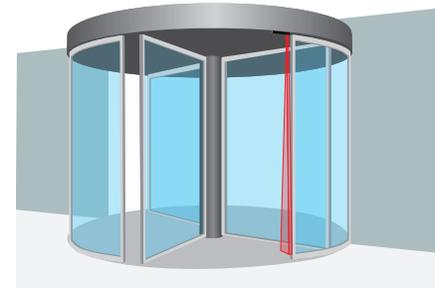
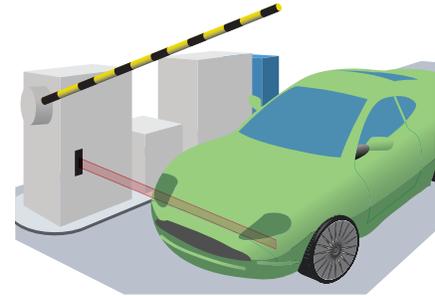
FOCUS 2



SMART FOCUS



FOCUS



### DESCRIPTION

BEA's Focus family consists of focused active infrared-based presence sensors designed to effectively detect people and objects. These compact sensors can be used in a variety of applications where space may be limited or additional detection is required to complement pre-installed sensors, such as on revolving doors where pinch-zone protection is needed.

The Focus 2 offers the same protection as the Focus but can be recess mounted.

The Smart Focus provides internal and external self-monitoring. Single button setup ensures easy installation in most common applications.

The Focus family can be used on revolving doors, drive-thru windows, and in industrial applications such as gate and access control.

### FEATURES & BENEFITS

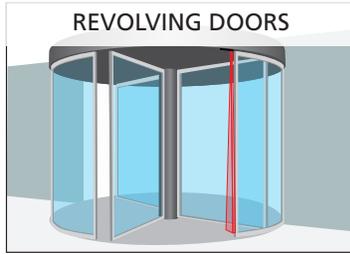
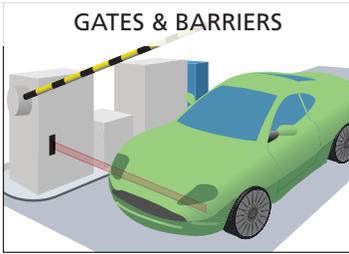
- Low profile, recessed-mount enables Focus 2 and Smart Focus to protect pedestrians from contact with the moving door
- Smart Focus is fully monitored (not the Focus or Focus 2)
- Smart Focus has push button setup
- Ideal for drive-thru / pass-thru applications
- Horizontal mount for use in gate and barrier applications



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## APPLICATIONS



## TECHNICAL SPECIFICATIONS

### 10FOCUS & 10FOCUS2

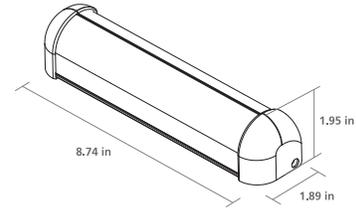
<b>Technology</b>	Focused Active Infrared
<b>Detection Mode</b>	Presence
<b>Power Supply</b>	24 VAC / VDC ±10%
<b>Current Consumption</b>	60 mA (On); 30 mA (Off)
<b>Output Interface; Relay</b>	Relay; max. contact rating is 1 A @ 30 V (resistive)
<b>Detection Range</b>	0 ft – 8.2 ft
<b>Distance Adjustment</b>	2 ft – 8 ft, rotating cam with linear adjustment
<b>Detection Time</b>	< 50 ms
<b>Detection Signal Duration</b>	Infinite Presence Detection
<b>LED Indications</b>	Green LED = Detection
<b>Operating Temperature Range</b>	–30 °F – 140 °F
<b>Connection to Controller</b>	5-conductor cable
<b>Relay Output</b>	NO or NC

### 10SMARTFOCUS

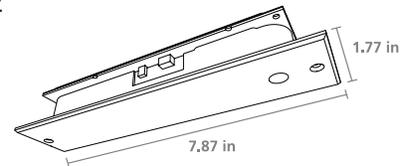
<b>Technology</b>	Focused Active Infrared
<b>Detection Mode</b>	Presence detection by distance measurement
<b>Detection Field</b>	1.38 in × 2.76 in @ 7.25 ft mounting height
<b>Light Indicator</b>	Red LED: is ON during detection Orange LED: flashes 1x after power on
<b>Response Time</b>	64 ms
<b>Mounting Height</b>	2 ft – 10 ft
<b>Supply Voltage</b>	12 – 24 VAC / VDC –5% / 10%
<b>Mains Frequency</b>	50 – 60 Hz
<b>Max. Current Consumption</b>	120 mA @ 24 VAC / 80 mA @ 24 VDC
<b>Standard Output</b>	Relay (free of potential contact) Max. Contact Voltage 42 VAC / VDC Max. Contact Current 1 A (resistive) Max. Switching Power 30 W (DC) / 60 VA (AC)
<b>Monitoring Input</b>	1 optocoupler (free of potential contact) Max. Contact Voltage 30 V Voltage Threshold High state: > 10 V Low state: < 1 V
<b>Hold Time</b>	0.5 s
<b>Reflectivity</b>	min. 10% at IR-wavelength of 850nm
<b>Temperature Range</b>	–13 °F – 131 °F (–25 °C – 55 °C); 0 – 95% rel. humidity, non-condensing
<b>Degree of Protection</b>	IP53
<b>Dimensions</b>	5.67 in (W) × 1.57 in (H) × 1.97 in (D)
<b>Length of Main Cable</b>	8.2 ft
<b>Norm Conformity</b>	EN 61000-6-2; EN 61000-6-3; EN 50581; EN ISO 13849-1 Performance Level «C» CAT. 2 (under the condition that the door control system monitors the sensor at least once per door cycle)

## DIMENSIONAL DRAWINGS

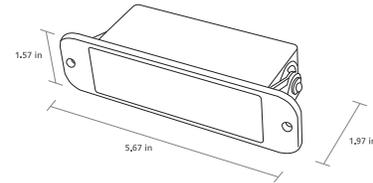
### FOCUS



### FOCUS 2



### SMART FOCUS



## RELATED PRODUCTS



**10FOCUS**  
SURFACE MOUNT,  
PRESENCE SENSOR



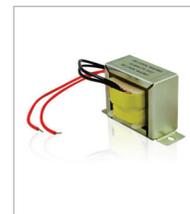
**10SMARTFOCUS**  
RECESSED,  
PRESENCE SENSOR



**10FOCUS2**  
RECESSED,  
PRESENCE SENSOR



**10SMARTFOCUSMA**  
SMART FOCUS  
SURFACE MOUNT  
ADAPTER



**1024VAC**  
24 VAC  
TRANSFORMER WITH  
MOUNTING FEET

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