



# FOCUS FAMILY

FOCUSED ACTIVE INFRARED  
PRESENCE SENSORS



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## TECHNOLOGY



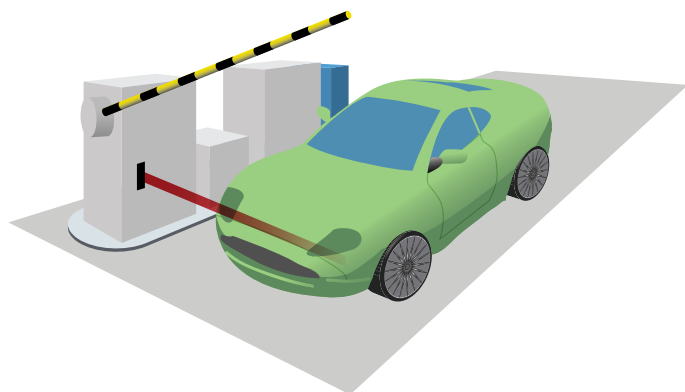
### DESCRIPTION

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.

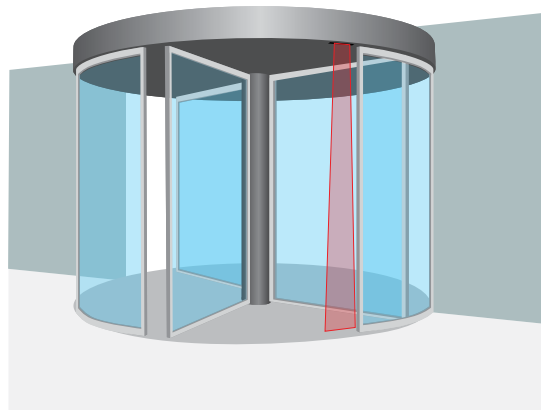


### Low Profile Detection

Low profile, recessed-mount enables FOCUS 2 and SMART FOCUS to protect pedestrians from contact with the moving door

### Monitoring Capable

SMART FOCUS is fully monitored (not the FOCUS or FOCUS 2)



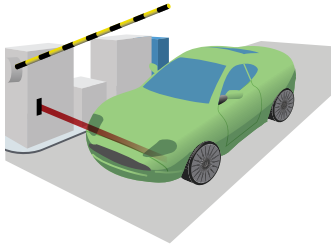
### Perfect For Activation Of Small Windows / Pass-Thru

Ideal for drive-thru / pass-thru applications

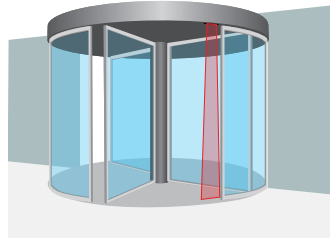
### Ideal For Gate And Barriers

Horizontal mount for use in gate and barrier applications

## APPLICATIONS



Gates & Barriers



Revolving Doors



Drive-Thru / Pass-Thru

## 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 – 8 ½'
<b>Distance Adjustment</b>	2 – 8', rotating cam with linear adjustment
<b>Detection Time</b>	< 50ms
<b>Detection Signal Duration</b>	Infinite Presence Detection
<b>LED Indicator</b>	
Green	No Detection
<b>Operating Temperature Range</b>	-30 – 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 19/50" x 2 19/25" @ 7 ¼' mounting height
<b>Light Indicator</b>	
Red	ON during detection
Orange	Flashes 1x after power on
<b>Response Time</b>	64 ms
<b>Mounting Height</b>	2 – 10'
<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 850 nm
<b>Temperature Range</b>	-13 – 131 °F (-25 – 55 °C); 0 – 95% rel. humidity, non-condensing
<b>Degree of Protection</b>	IP53
<b>Dimensions</b>	5 ¾" (L) x 1 ⅜" (H) x 2" (D)
<b>Length of Main Cable</b>	8'
<b>Norm Conformity</b>	EN 61000-6-2; EN 61000-6-3; 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)

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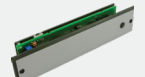
## PRODUCT SERIES



**10FOCUS**  
Surface mount, Presence sensor



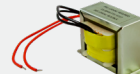
**10SMARTFOCUS**  
Recessed, Presence sensor



**10FOCUS2**  
Recessed, Presence sensor



**10SMARTFOCUS SMA**  
Smart focus surface mount adapter



**1024VAC**  
24 VAC transformer with mounting feet