



FOCUS FAMILY

FOCUSED ACTIVE INFRARED
PRESENCE SENSORS



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TECHNOLOGY



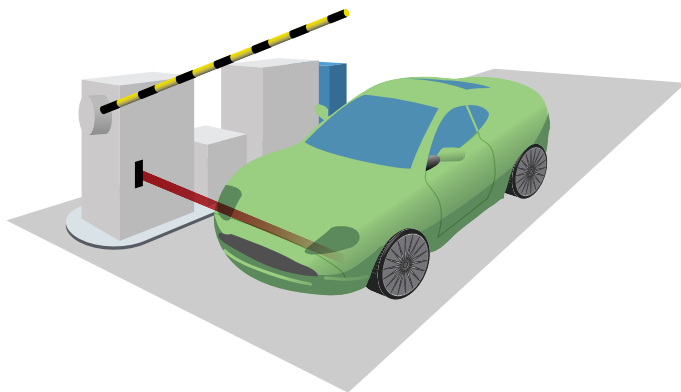
DESCRIPTION

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.

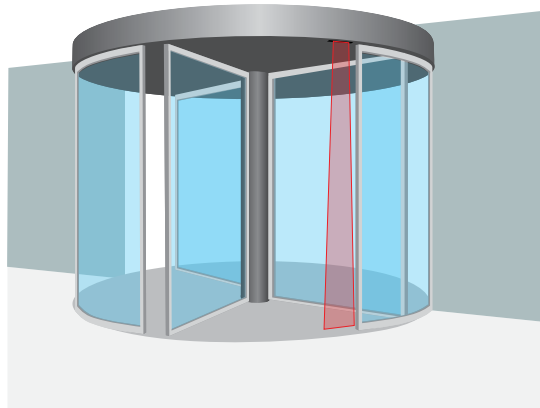


Low Profile Detection

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)



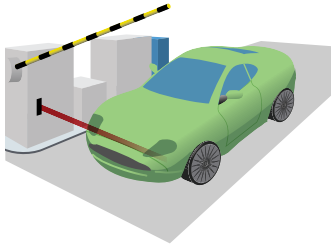
Perfect For Activation Of Small Windows / Pass-Thru

Ideal for drive-thru / pass-thru applications

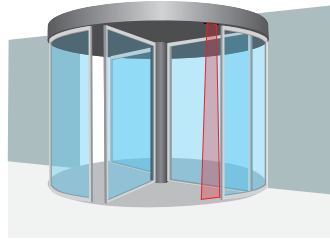
Ideal For Gate And Barriers

Horizontal mount for use in gate and barrier applications

APPLICATIONS



Gates & Barriers



Revolving Doors



Drive-Thru / Pass-Thru

TECHNICAL SPECIFICATIONS

10FOCUS & 10FOCUS2

Technology	Focused Active Infrared
Detection Mode	Presence
Power Supply	24 VAC / VDC ±10%
Current Consumption	60 mA (On); 30 mA (Off)
Output Interface; Relay	Relay; max. contact rating is 1 A @ 30 V (resistive)
Detection Range	0 – 8 ½'
Distance Adjustment	2 – 8', rotating cam with linear adjustment
Detection Time	< 50ms
Detection Signal Duration	Infinite Presence Detection
LED Indicator	
Green	No Detection
Operating Temperature Range	-30 – 140 °F
Connection to controller	5-conductor cable
Relay Output	NO or NC

10SMARTFOCUS

Technology	Focused Active Infrared
Detection Mode	Presence detection by distance measurement
Detection Field	1 19/50" x 2 19/25" @ 7 1/4' mounting height
Light Indicator	
Red	ON during detection
Orange	Flashes 1x after power on
Response Time	64 ms
Mounting Height	2 – 10'
Supply Voltage	12 – 24 VAC / VDC -5% / 10%
Mains Frequency	50 – 60 Hz
Max. Current Consumption	120 mA @ 24 VAC / 80 mA @ 24 VDC
Standard Output	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)
Monitoring Input	1 optocoupler (free of potential contact)
Max. Contact Voltage	30 V
Voltage Threshold	High state: > 10 V Low State: < 1 V
Hold Time	0.5 s
Reflectivity	min. 10% at IR-wavelength of 850 nm
Temperature Range	-13 – 131 °F (-25 – 55 °C); 0 – 95% rel. humidity, non-condensing
Degree of Protection	IP53
Dimensions	5 3/4" (L) x 1 3/5" (H) x 2" (D)
Length of Main Cable	8'
Norm Conformity	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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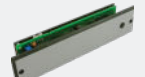
PRODUCT SERIES



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