



BEAMBOX

ACTIVE INFRARED MOTION & PRESENCE SENSOR



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TECHNOLOGY



DESCRIPTION

BEA's **BEAMBOX** is a universal sensor ideal for a variety of unique off-door applications.

The **BEAMBOX** provides motion and presence detection, utilizing 15 active infrared spots that can be programmed into nine uniquely shaped detection zones.

BEA's **BEAMBOX** is ideal when very specific detection patterns are required, but not readily available in off the shelf sensors.

These patterns are often necessary in trains, buses, turn stiles, back office retail and other unique areas.

The **BEAMBOX** provides a DRY contact relay that can be used to switch any peripheral device, such as a buzzer, light or video camera.

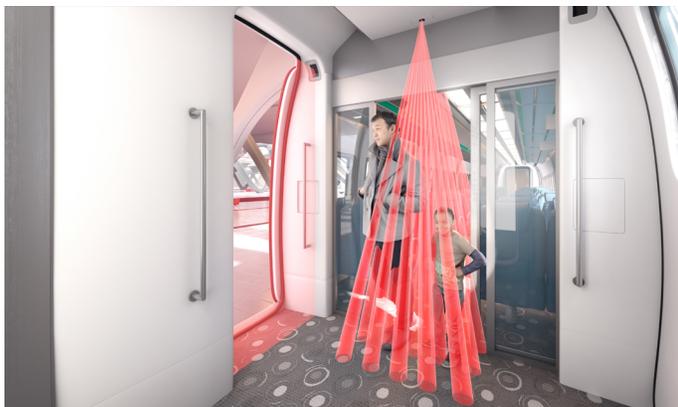


Off Door Presence Detection

Three rows of five infrared spots ideal for unique off door applications

Multiple Preset Detection Zones

Four infrared immunity modes and nine unique preset patterns are available



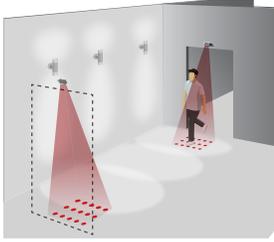
Customizable To Your Application

Typical detection area of 3 ¼ x 3 ¼ feet when mounted at a height of 7 feet

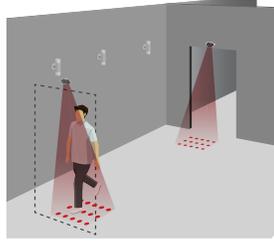
Low Profile Design

Recessed mounting for low profile applications

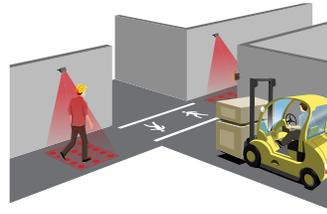
APPLICATIONS



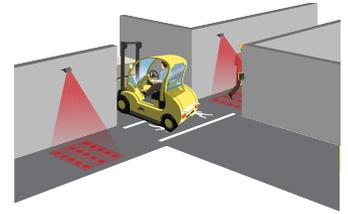
Light Activation



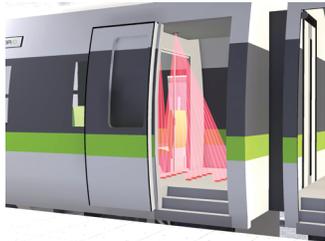
Light Deactivation



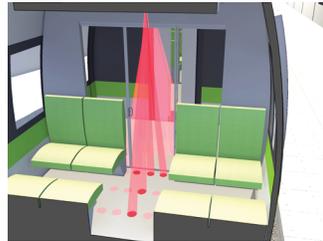
Signal Activation



Signal Deactivation



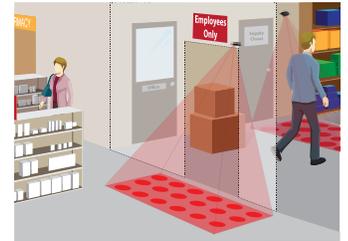
Entrance Detection



Passenger Aisle Safety



Buzzer / Alert



Back Office Retail

TECHNICAL SPECIFICATIONS

Technology	Active infrared With Background Analysis
Detection Mode	Motion & Presence
Optical Features	15 independent IR spots with a diameter of typ. 0.43"
Maximum Mounting Height	8 1/2' (flush mounting)
Tilt Angles	0 – 20° vertical in steps of 5°
Detection Zone	3 3/10' (W) x 3 3/10' (D) @ mounting height 6 1/2'; tilt angle 20°
Reaction Time	< 100 ms
Supply Voltage	12 – 30 VAC ±10%; 12 – 45 VDC ±10%
Power Consumption	< 3 W (VA)
Output	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)
Monitoring Input	Optocoupled (free of potential)
Input Voltage	10 – 24 VDC
Input Current	< 10 mA (@ 24 V)
Connection (Sensor Side)	Unpluggable integrated 7-pin connector
Hold Time	0.5 – 9 s (adjustable)
LED Signal	Red and Green
Mains Frequency	50 – 60 Hz
Temperature Range	-13 – 126 °F (operating); -22 – 140 °F (storage)
Degree of Protection	IP41
Dimensions	5 1/2" (W) x 1 1/2" (H) x 2 1/8"
Weight	3 1/2 oz
Enclosure Material / Color	Polycarbonate / Black
Cable Length	8'

PRODUCT SERIES



10BEAMBOX
Active infrared, motion and presence sensor



10REMOTE
BEA universal remote control



10SPOTFINDER
Infrared spotfinder

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