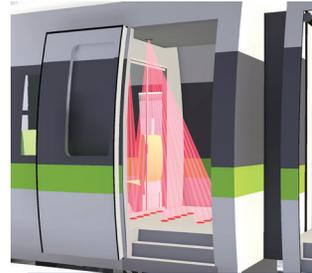


# BEAMBOX

## ACTIVE INFRARED MOTION & PRESENCE SENSOR



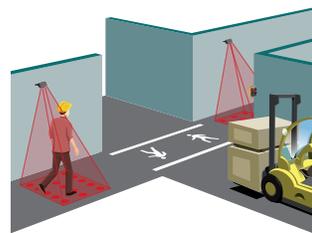
### PRIMARY APPLICATIONS



Transit Safety



Energy Savings



Traffic Signal Notification



Retail

### 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.

### FEATURES & BENEFITS

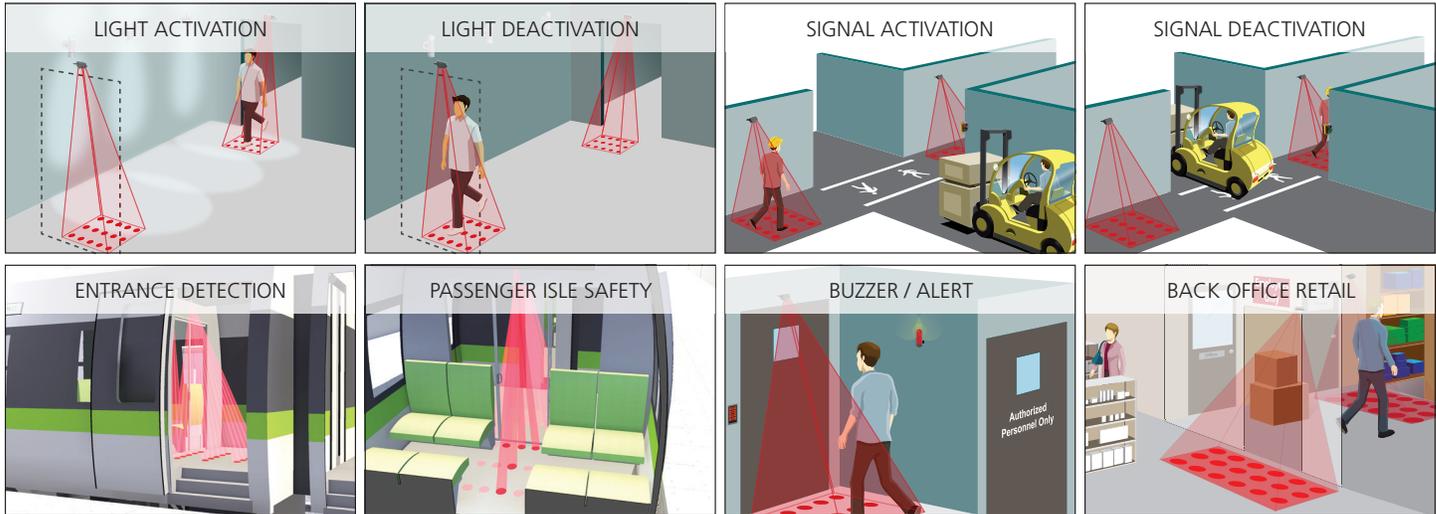
- Three rows of five infrared spots ideal for unique off door applications
- Four infrared immunity modes
- Typical detection area of 39 x 39 inches when mounted at a height of 84 inches
- Nine unique preset patterns are available
- Capable of detecting motion and / or presence
- NO / NC output relay
- Recessed mounting for low profile applications
- Adjustable tilt angle from 0° – 20°



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Pittsburgh, PA 15275-1213

Customer Service: 800.523.2462  
Technical Support: 800.407.4545  
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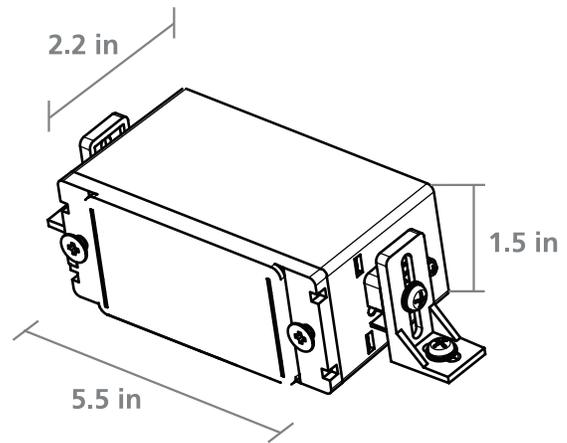
## APPLICATIONS



## TECHNICAL SPECIFICATIONS

<b>Technology</b>	Active infrared with background analysis
<b>Detection Mode</b>	Motion & Presence
<b>Optical Features</b>	15 independent IR spots with a diameter of typ. 0.43 in
<b>Maximum Mounting Height</b>	98.4 in (8.2 ft) (flush mounting)
<b>Tilt Angles</b>	0° – 20° vertical in steps of 5°
<b>Detection Zone (W x D; @ H)</b>	39.6 in (3.3 ft) x 46.8 in (3.9 ft); @ mounting height 6.5 ft; tilt angle 20°
<b>Reaction Time</b>	< 100 ms
<b>Supply Voltage</b>	12 – 30 VAC ±10%; 12 – 45 VDC ±10%
<b>Power Consumption</b>	< 3 W (VA)
<b>Output</b>	Relay (free of potential change-over contact)
Maximum Contact Voltage	42 VAC – 60 VDC
Maximum Contact Current	1 A (resistive)
Maximum Switching Power	30 W (DC) / 60 VA (AC)
<b>Monitoring Input</b>	Optocoupled (free of potential)
Input Voltage	10 – 24 VDC
Input Current	< 10 mA (@ 24 V)
<b>Connection (sensor side)</b>	Unpluggable integrated 7-pin connector
<b>Hold Time</b>	0.5 s – 9 s (adjustable)
<b>LED Signal</b>	Red and Green
<b>Mains Frequency</b>	50 – 60 Hz
<b>Temperature Range</b>	-13 °F – 136 °F (operating); -22 °F – 140 °F (storage)
<b>Degree of Protection</b>	IP41
<b>Dimensions</b>	5.5 in (W) x 1.5 in (H) x 2.2 in (D)
<b>Weight</b>	3.5 oz
<b>Enclosure Material / Color</b>	Polycarbonate/Black
<b>Cable Length</b>	96 in (8 ft)

## DIMENSIONAL DRAWING



## RELATED PRODUCTS



**10BEAMBOX**  
ACTIVE INFRARED,  
MOTION AND  
PRESENCE SENSOR



**10REMOTE**  
BEA UNIVERSAL  
REMOTE CONTROL

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