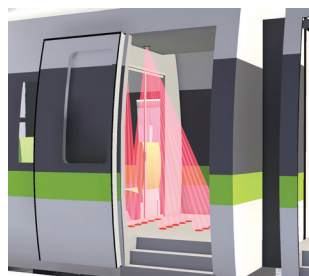


BEAMBOX

ACTIVE INFRARED MOTION & PRESENCE SENSOR



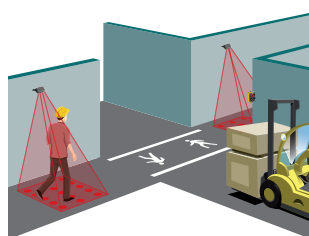
PRIMARY APPLICATIONS



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

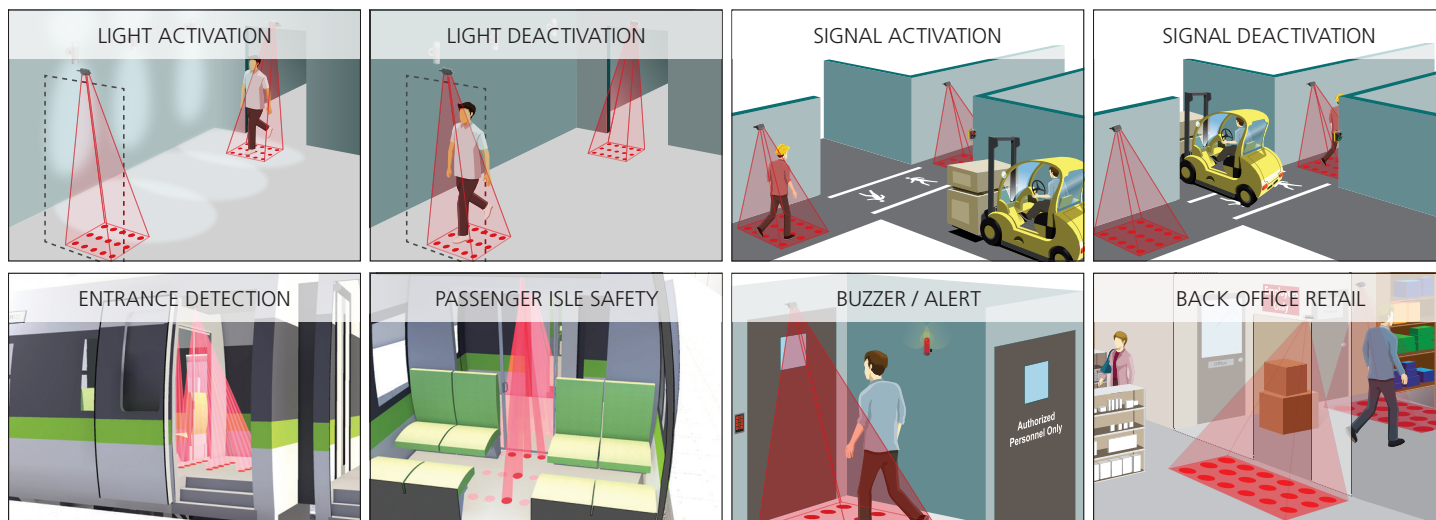
- Three rows of five infrared spots ideal for unique off door applications
- Four infrared immunity modes
- Typical detection area of 39 × 39 inches when mounted at a height of 84 inches
- Nine unique preset patterns are available
- Capable of detecting motion and / or presence
- NO / NC output relay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



BEA, Inc.
RIDC Park West
100 Enterprise Drive
Pittsburgh, PA 15275-1213

Customer Service: 800.523.2462
Technical Support: 800.407.4545
www.BEAinc.com

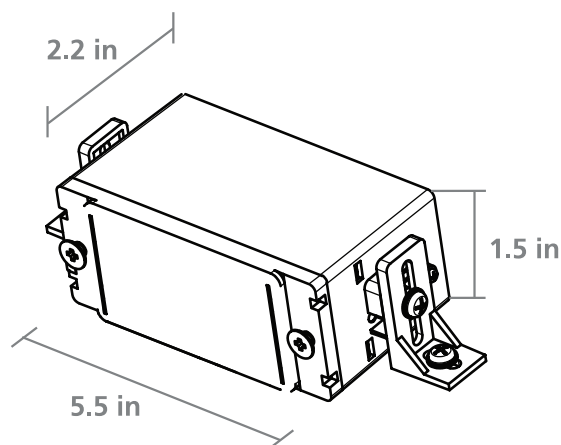
APPLICATIONS



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 in
Maximum Mounting Height	98.4 in (8.2 ft) (flush mounting)
Tilt Angles	0° – 20° vertical in steps of 5°
Detection Zone (W × D; @ H)	39.6 in (3.3 ft) × 46.8 in (3.9 ft); @ mounting height 6.5 ft; 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)
Maximum Contact Voltage	42 VAC – 60 VDC
Maximum Contact Current	1 A (resistive)
Maximum 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 s – 9 s (adjustable)
LED Signal	Red and Green
Mains Frequency	50 – 60 Hz
Temperature Range	–13 °F – 136 °F (operating); –22 °F – 140 °F (storage)
Degree of Protection	IP41
Dimensions	5.5 in (W) × 1.5 in (H) × 2.2 in (D)
Weight	3.5 oz
Enclosure Material / Color	Polycarbonate/Black
Cable Length	96 in (8 ft)

DIMENSIONAL DRAWING



RELATED PRODUCTS



10BEAMBOX
ACTIVE INFRARED,
MOTION AND
PRESENCE SENSOR



10REMOTE
BEA UNIVERSAL
REMOTE CONTROL

