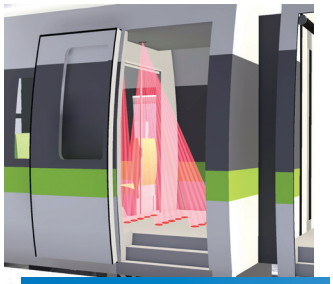
BEAMBOX

ACTIVE INFRARED SENSOR FOR MOTION & PRESENCE DETECTION

APTA Member — AMERICAN PUBLIC TRANSPORTATION ASSOCIATION



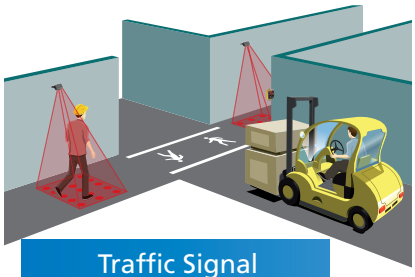
PRIMARY APPLICATIONS



Transit Safety



Energy Savings



Traffic Signal Notification

DESCRIPTION

BEA's Beambox is a universal sensor capable of meeting a variety of unique off-door applications.

The Beambox provides active infrared 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 challenging 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

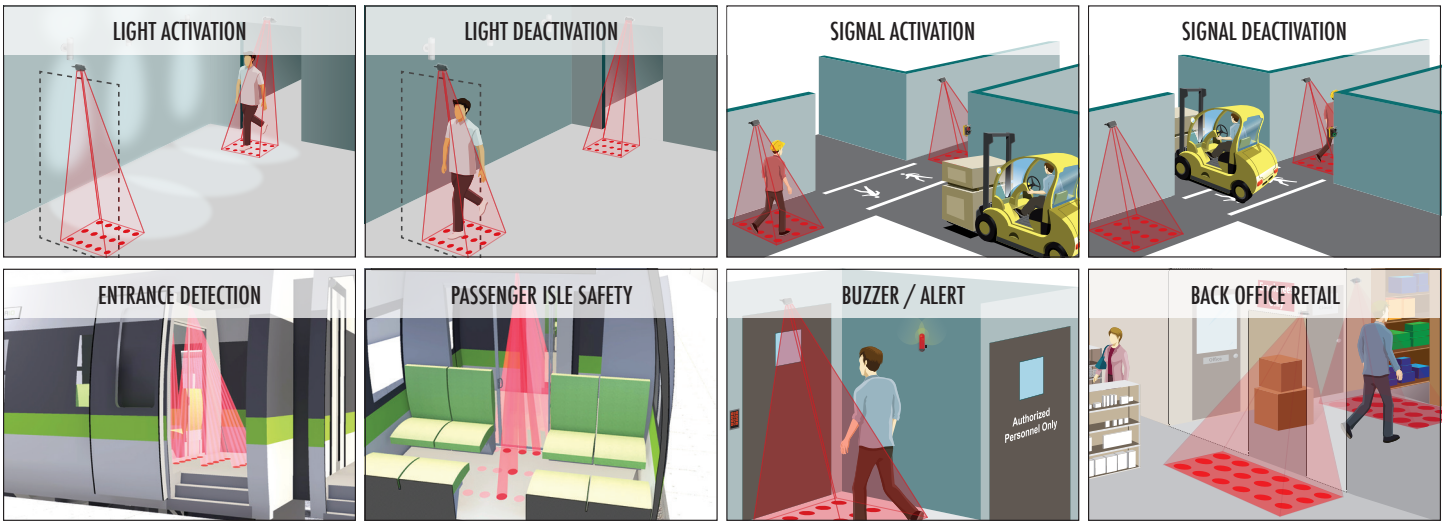
- Three rows of 5 infrared programmable spots ideal for unique off door applications
- Four infrared immunity modes
- Typical detection area of 39 x 39 inches when mounted at a height of 84 inches
- Nine unique preset patterns are available
- Preset patterns can detect motion and/or presence
- NO/NC output relay
- Recessed mounting for low profile applications
- Adjustable tilt angle from 0° to 20°

BEA
A HALMA COMPANY

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

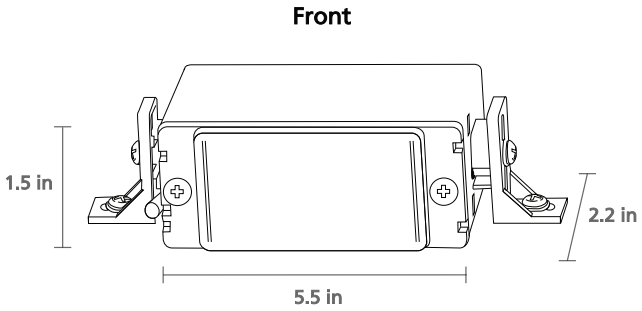
APPLICATIONS



TECHNICAL SPECIFICATIONS

Technology	Focused active infrared with background analysis
Detection Mode	Motion & Presence
Optical Features	15 independent IR spots producing a rectangular-shaped detection field
Maximum Mounting Height	96 in (8 ft)
Tilt Angles	0° to 20° (step = 5°)
Detection Area (W × D; @ H)	39 in × 48 in; @ 84 in mounting height angle: 20°
Spot Diameter	5 in
Reaction Time	< 100 ms
Supply Voltage (Nominal)	24 V DC acc. to EN 50155 (12 V – 45 V DC ±10%)
Power Consumption	< 3 W (VA)
Output Relay	Free of Potential Change-Over Contact
Maximum Contact voltage	42 V AC – 60 V DC
Maximum Contact current	1 A (resistive)
Maximum Switching power	30 W (DC) / 60 VA (AC)
Connections	Integrated 7-pin plug connector
Norm Conformance	EMC 2004/108/EEC; EN 50155; NF F16-102 (optional); TS EN 45545
Temperature Range	-13°F to +136°F
Degree of Protection	IP41
Sensor Dimensions (L × W × D)	5.5 in × 1.5 in × 2.2 in
Weight	3.5 oz
Enclosure Material / Color	Polycarbonate/Black
Cable Length	96 in (total); material compliant with DIN5510
Adjustments	
Sensitivity	Push Buttons / BEA Remote (4 levels)
Shape of Detection Area	Push Buttons / BEA Remote (choice of 9 preset fields)
Tilt Angle	Mechanical
Hold Time	BEA Remote (from 0.5 s to 9 s, 10 value-settings)
Maximum Presence Time	BEA Remote (20 s to 25 min, 10 value-settings)
Security	BEA Remote (4-digit entry code)

DIMENSIONAL DRAWING



RELATED PRODUCTS



10COLIBRI
COLIBRI



10REMOTE
BEA UNIVERSAL
REMOTE CONTROL

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