



COLIBRI ONE

UNIDIRECTIONAL MOTION SENSOR
FOR OFF-DOOR APPLICATIONS

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TECHNOLOGY



CERTIFICATIONS

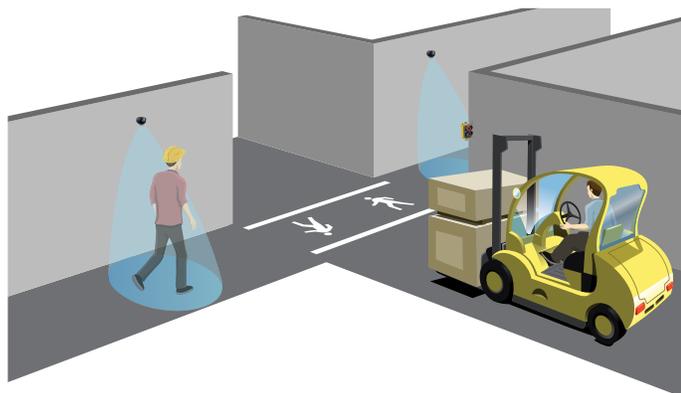


DESCRIPTION

BEA's **COLIBRI ONE** is a motion sensor designed for the detection of pedestrians, slow moving vehicles and other objects in motion.

COLIBRI ONE has the sensitivity to detect objects moving as slow as 2 inches per second; and its compact size makes it a perfect motion detector for any commercial or industrial application, both indoor and outdoor.

Along with common pedestrian and industrial applications, this sensor has been used in custom mass transit configurations on trains and buses.



Customizable Settings

Variable sensitivity adjustment provide different detection areas

Variable Mounting

Lateral angle adjustment for ceiling, wall and low level mount versatility



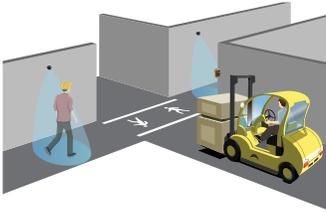
Compact, Low Profile

Compact size provides flexibility in mounting

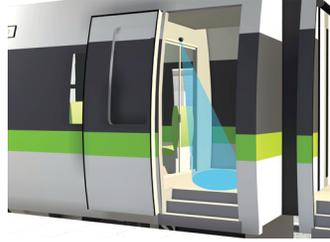
Ideal For Off Door Applications

Pairs with LED signal lights for warning indication applications

APPLICATIONS



Warehousing



Train



Bus

TECHNICAL SPECIFICATIONS

Technology	Microwave Doppler Radar
Detection Mode	Motion
Transmitter Frequency	24.150 GHz
Transmitter Radiated Power	< 20 dBm EIRP
Transmitter Power Density	< 5 mW / cm ²
Min. Detection Speed	2 in / s (measured in sensor axis)
Supply Voltage	12 – 24 VDC 30% / -10%
Mains Frequency	50 – 60 Hz
Max. Power Consumption	< 2 W
Output	Solid-state-relay (free of potential change-over contact)
Max. Contact Current	100 mA
Max. Contact Voltage	35 VDC / 24 VAC
Mounting Height	6 – 10'
Degree of Protection	IP54
Temperature Range	-4 – 131 °F
Dimensions	3 1/8" (W) x 2 3/8" (H) x 2 1/8" (D)
Tilt Angles	0 – 90° vertical; -30 – 30° lateral
Material	ABS & Polycarbonate
Weight	5 oz
Cable Length	8'
Norm Conformity	R&TTE 1999 / 5 / EC; EMC 2004 / 108 / EC

PRODUCT SERIES



10COLIBRI1
Motion sensor



10BR3X
Programmable 3-relay
logic module



1024VAC
24 VAC Transformer
with mounting feet

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