

COLIBRI ONE



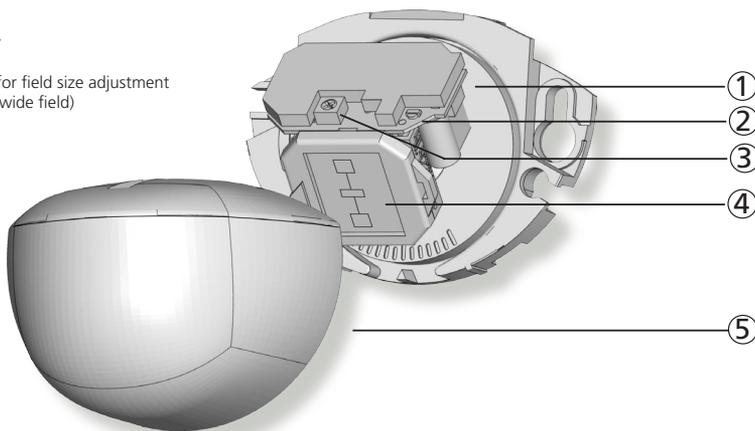
Other use of the device is outside the intended purpose and cannot be guaranteed by the manufacturer. The manufacturer cannot be held responsible for incorrect installations or inappropriate adjustments of the sensor.

Unidirectional activation sensor*

*Not intended for pedestrian automatic doors

DESCRIPTION

1. main connector
2. LED
3. potentiometer for field size adjustment
4. radar antenna (wide field)
5. cover

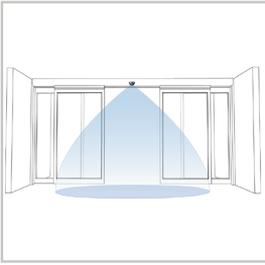


TECHNICAL SPECIFICATIONS

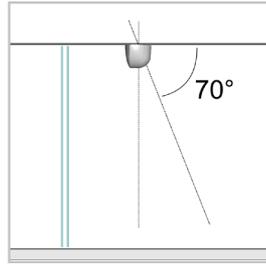
Technology:	microwave doppler radar
Transmitter frequency:	24.150 GHz
Transmitter radiated power:	< 20 dBm EIRP
Transmitter power density:	< 5 mW/cm ²
Detection mode:	motion
Min. detection speed:	2 in/s (measured in sensor axis)
Supply voltage:	12 V to 24 V DC +30% / -10%
Mains frequency:	50 to 60 Hz
Max. power consumption:	< 2 W
Output:	solid-state-relay (free of potential change-over contact)
Max. contact current:	100 mA
Max. contact voltage:	35 V DC/ 24V AC
Mounting height:	from 6 ft to 10 ft
Degree of protection:	IP54
Temperature range:	from -4 °F to + 131 °F
Dimensions:	3.15 in (W) x 2.36 in (H) x 2.17 in (D)
Tilt angles:	0° to 90° vertical; -30° to +30° lateral
Material:	ABS & polycarbonate
Weight:	5 oz
Cable length:	8 ft
Norm conformity:	R&TTE 1999/5/EC; EMC 2004/108/EC

Specifications are subject to changes without prior notice.
Measured in specific conditions

APPLICATIONS

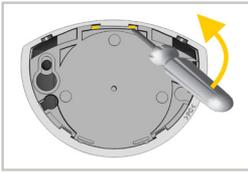


Wall mounting

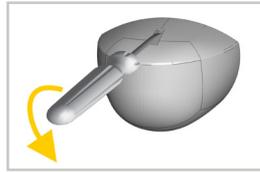


Ceiling mounting

OPENING THE SENSOR



Before mounting

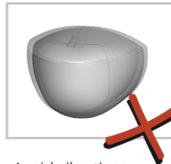


After mounting

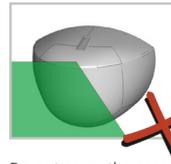
TIPS



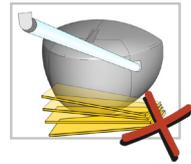
Do not touch electronic parts.



Avoid vibrations.

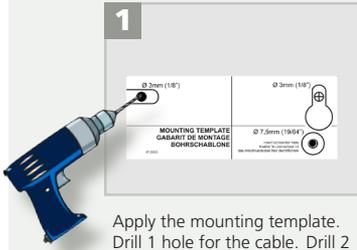


Do not cover the sensor.

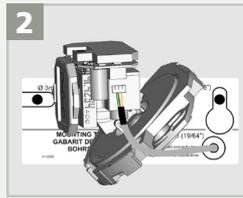


Avoid proximity to neon lamps or moving objects.

1 MOUNTING & WIRING

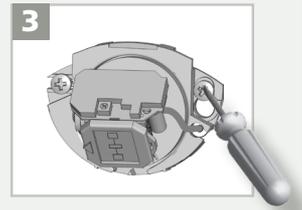


Apply the mounting template.
Drill 1 hole for the cable.
Drill 2 holes for the screws.



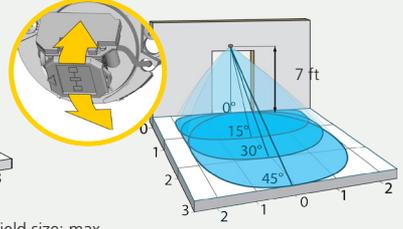
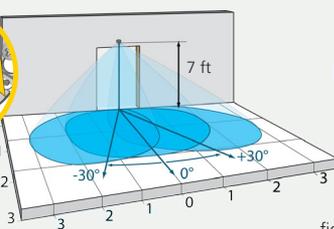
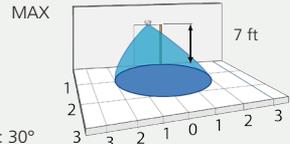
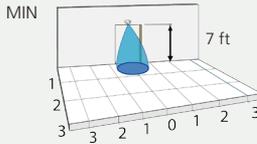
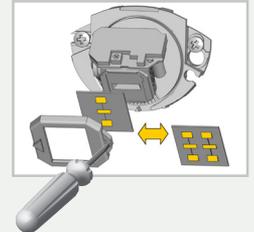
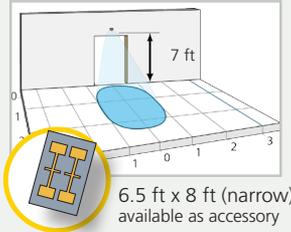
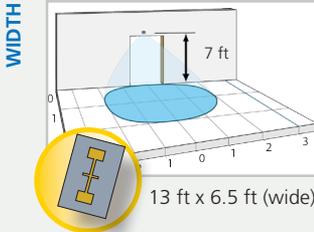
Connect the cable and insert it through the hole.
Connect the wires as follows:

- █ RED - POWER SUPPLY 12-24 V
- █ BLACK - GROUND 0 V
- █ WHITE - COM
- █ GREEN - NO



Mount the sensor firmly.

2 FIELD ADJUSTMENTS



	Activation does not occur. The LED is OFF.	The sensor power is off.	1 Check the wiring and the power supply.
	Activation does not react as expected.	Improper output configuration on the sensor.	1 Change the output configuration setting on each sensor connected to the door operator.
	Activation and deactivation occurs constantly.	The sensor is disturbed by the closing of the door or vibrations caused by the door motion.	1 Make sure the sensor is fixed properly. 2 Increase the antenna angle. 3 Reduce the field size.
	Activation occurs for no apparent reason.	It rains and the sensor detects the motion of the rain drops.	1 Install the MRA (rain accessory).
		In highly reflective environments, the sensor detects objects outside of its detection field.	1 Change the antenna angle. 2 Decrease the field size.
		In airlock vestibules, the sensor detects the movement of the opposite door.	1 Change the antenna angle.



ANSI / AAADM Compliance



Upon completion of the installation or service work, at a minimum, perform a daily safety check in accordance with the minimum inspection guidelines provided by AAADM. Provide each equipment owner with an owner's manual that includes a daily safety checklist and contains, at a minimum, the information recommended by AAADM. Offer an information session with the equipment owner explaining how to perform daily inspections and point out the location of power/operation switches to disable the equipment if a compliance issue is noted. The equipment should be inspected annually in accordance with the minimum inspection guidelines. A safety check that includes, at a minimum, the items listed on the safety information label must be performed during each service call. If you are not an AAADM certified inspector, BEA strongly recommends you have an AAADM certified inspector perform an AAADM inspection and place a valid inspection sticker below the safety information label prior to putting the equipment into operation.

