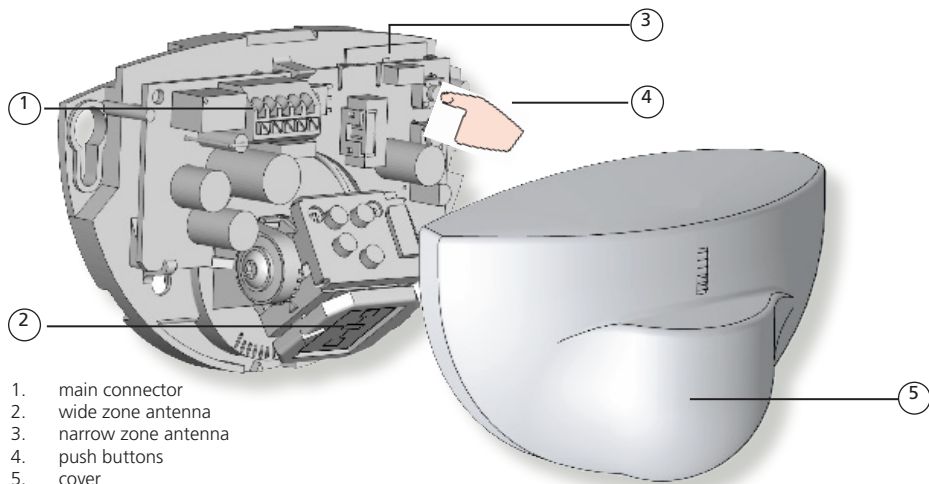# EAGLE HM

Unidirectional activation sensor for high mount doors*

DESCRIPTION

1. main connector
2. wide zone antenna
3. narrow zone antenna
4. push buttons
5. cover

TECHNICAL SPECIFICATIONS

Technology:	microwave and microprocessor
Transmitter frequency:	24.150 GHz
Transmitter radiated power:	< 20 dBm EIRP
Transmitter power density:	< 5 mW/cm²
Detection mode:	motion
Min. detection speed:	2 in/s
Supply voltage:	12V to 24V AC ±10%; 12V to 24V DC +30% / -10%
Mains frequency:	50 to 60 Hz
Max power consumption:	< 2 W
Output:	relay (free of potential change-over contact)
Max. contact voltage:	42V AC/DC
Max. contact current:	1A (resistive)
Max. switching power:	30W (DC) / 60VA (AC)
Mounting height:	from 6 ft to 13 ft
Degree of protection:	IP54
Temperature range:	from -4 °F to + 131 °C
Dimensions:	4.7 in (L) x 3.1 in (H) x 2.0 in (W)
Tilt angles:	0° to 90° vertical; -30° to +30° lateral
Material:	ABS
Weight:	7.6 oz
Cable lenght:	8 ft
Norm conformity:	R&TTE 1999/5/EC, LVD 2006/95/EC, RoHS 2 2011/65/EU

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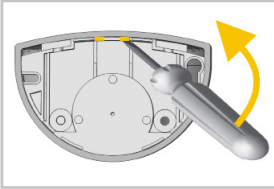Measured in specific conditions.

* Other use of the device outside of the intended purpose can not be guaranteed by the manufacturer.
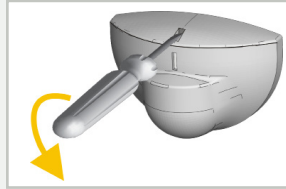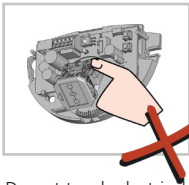
1 OPENING THE SENSOR

Before mounting

After mounting
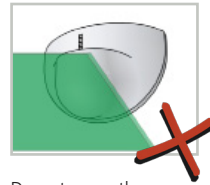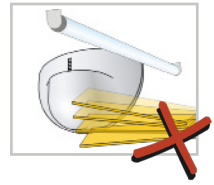
2 MOUNTING & WIRING

TIPS

Do not touch electrical parts.
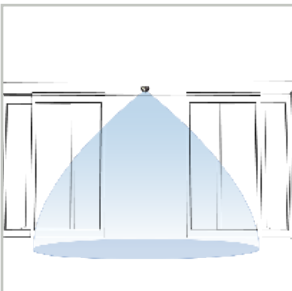
Avoid vibrations.
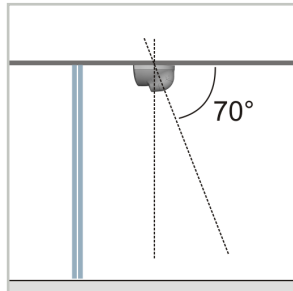
Do not cover the sensor.

Avoid proximity to neon lamps or moving objects.

APPLICATIONS

70°

Header mounting above sliding or revolving door

Ceiling mounting in front of door (sliding, revolving or swing doors)

1 Ø3 mm (Ø1/8")

Insert Power Cable here
Insérez le câble d'alimentation ici
Versorgungsleitung hier einführen

MOUNTING
GABARIT D
BOHRSCHA

Apply the mounting template.
Drill 1 hole for the cable and pull it through.
Drill 2 holes for the screws.

2

NC
NO
COM
12-24 V
12-24 V

1 2 3 4 5
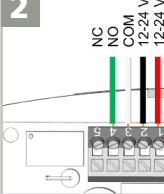
Connect the wires accordingly:
1 - RED - POWER SUPPLY +
2 - BLACK - POWER SUPPLY -
3 - WHITE - COM
4 - GREEN - NO   or
5 - GREEN - NC

3

Position the cable as indicated.
Mount the sensor firmly.

3 | MECHANICAL ADJUSTMENTS

WIDTH

7 ft

13 ft x 6.5 (wide)

7 ft

6.5 ft x 8 ft (narrow)

ANGLE

1

7 ft
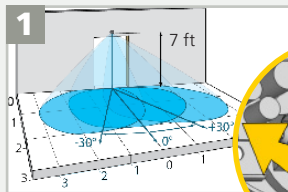
Adjust the lateral antenna angle.

2

7 ft
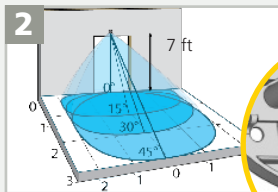
Adjust the vertical antenna angle.

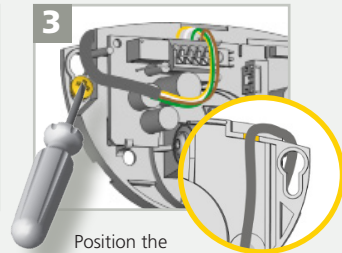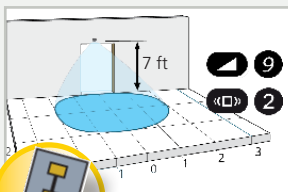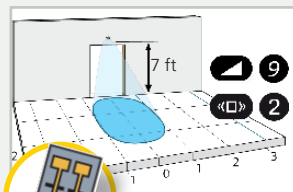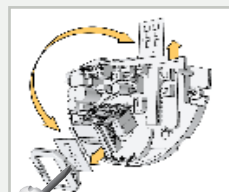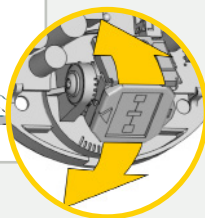## 4 | SETTINGS (by remote control or push buttons)

		0	1	2	3	4	5	6	7	8	9	

ZONE SIZE		XXS	XS	S	>	>	>	>	L	XL	XXL	
IMMUNITY FILTER			low	normal	high	>	>	>	>	>	highest	
DETECTION MODE			bi	uni	uni MTF	uni AWAY	MTF & AWAY	bi = two-way detection; uni = one-way detection towards sensor / uni MTF = one-way detection with motion tracking feature / uni AWAY = one-way detection away from sensor				
OUTPUT CONFIGURATION			A	P		A = active output (NO-contact) / P = passive output (NC-contact)						
HOLD-OPEN TIME		0.5 s	1 s	2 s	3 s	4 s	5 s	6 s	7 s	8 s	9 s	
MOUNTING HEIGHT			< 10 ft	> 10 ft								
DOOR CONTROL			auto	open	closed	open = the sensor detects constantly. The LED is ON. / closed = the sensor is in standby and does not detect. The LED is OFF.						

☐ FACTORY VALUES

RESETTING TO FACTORY VALUES: 🔓 ▷ 🌑 ▷ 9 OR [push button] > 2 seconds + [LED]

ZONE SIZE

... S, xs, xxs

... L, XL, XXL
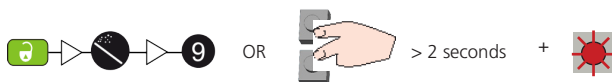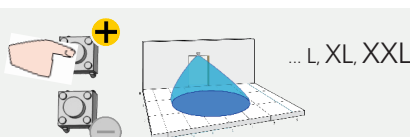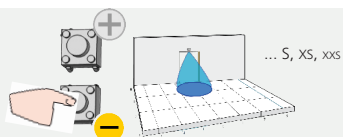
ACCESS CODE

The access code (1 to 4 digits) is recommended to set sensors installed close to each other.

SAVING AN ACCESS CODE: 🔓 ▷ 🔒 ▷ 0-9 0-9 0-9 0-9 ▷ 🔒 🔒

DELETING AN ACCESS CODE: 🔓 0-9 0-9 0-9 0-9 ▷ 🔒 ▷ 0 ▷ 🔒 🔒

Once you have saved an access code, you always need to enter this code to unlock the sensor.
If you forget the access code, **cycle the power**. For the first minute, you can access the sensor without an access code.

TROUBLESHOOTING

The door remains closed. The LED is OFF.	The sensor power is off.	**1** Check the wiring and the power supply.
	The door control setting (F2) is set to value 3 (closed).	**1** Change the door control setting (F2) to value 1 (automatic).
The door 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.
The door opens and closes constantly.	The sensor is disturbed by the door motion or vibrations caused by the door motion.	**1** Make sure the sensor is fixed properly. **2** Make sure the detection mode is unidirectional. **3** Increase the antenna angle. **4** Increase the immunity filter. **5** Reduce the zone size.
The door opens for no apparent reason.	It rains and the sensor detects the motion of the rain drops.	**1** Make sure the detection mode is unidirectional. **2** Increase the immunity filter. **3** Install the rain accessory.
	In highly reflective environments, the sensor detects objects outside of its detection zone.	**1** Change the antenna angle. **2** Decrease the zone size. **3** Increase the immunity filter.
	In airlock vestibules, the sensor detects the movement of the opposite door.	**1** Change the antenna angle. **2** Change the antenna. **3** Increase the immunity filter.
The LED flashes quickly after unlocking.	The sensor needs an access code to unlock.	**1** Enter the right access code. **2** If you forgot the code, cycle the power to access the sensor without access code. Change or delete the access code.
The sensor does not respond to the remote control.	Batteries in the remote control are weak or installed improperly.	**1** Check and change the batteries if necessary.
	Remote control poorly oriented.	**1** Point the remote control towards the sensor.

ANSI / AAADM Compliance *ANSI* *AAADM* *American Association of Automatic Door Manufactures*

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.

BEA OPEN UP NEW HORIZONS

A HALMA COMPANY

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