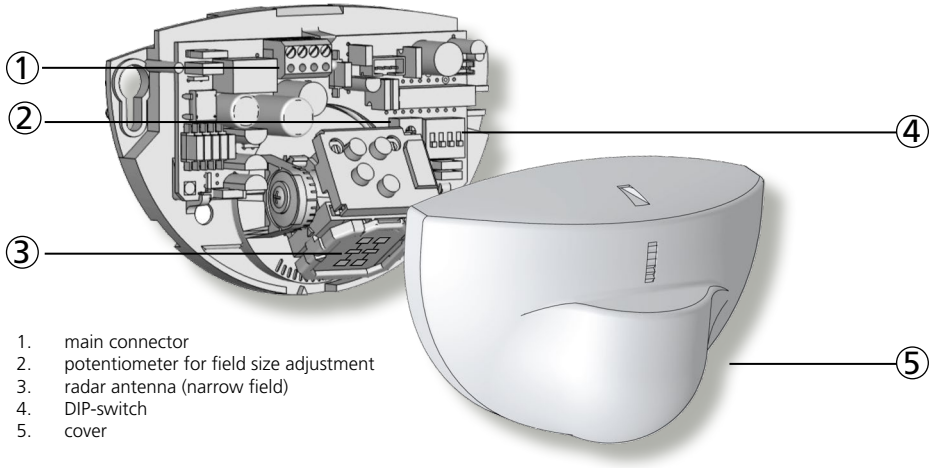
SEAGLE ONE

UNIDIRECTIONAL OPENING SENSOR FOR AUTOMATIC DOORS

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

DESCRIPTION



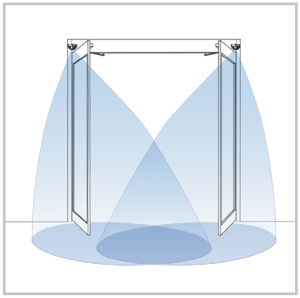
1. main connector
2. potentiometer for field size adjustment
3. radar antenna (narrow field)
4. DIP-switch
5. cover

TECHNICAL SPECIFICATIONS

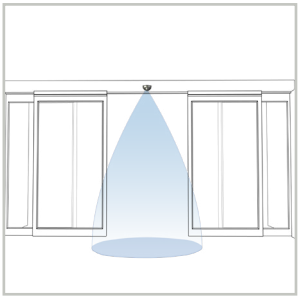
Technology:	microwave doppler radar
Transmitter frequency:	24.150 GHz
Transmitter radiated power:	< 20 dBm EIRP
Transmitter power density:	< 5 mW/cm²
Detection mode:	motion
Min. detection speed:	5 cm/s (measured in sensor axis)
Supply voltage:	12 V to 24 V AC ±10%; 12 V to 24 V DC +30% / -10%
Mains frequency:	50 to 60 Hz
Max power consumption:	< 2 W
Output:	relay (free of potential change-over contact)
Max. contact voltage:	42 V AC/DC
Max. contact current:	1 A (resistive)
Max. switching power:	30 W (DC) / 60 VA (AC)
Mounting height:	from 1.8 m to 3 m
Degree of protection:	IP54
Temperature range:	from -20 °C to + 55 °C
Dimensions:	120 mm (L) x 80 mm (H) x 50 mm (W)
Tilt angles:	0° to 90° vertical; -30° to +30° lateral
Material:	ABS
Weight:	165 g
Cable lenght:	2.5 m
Conformity:	RED 2014/53/EU

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

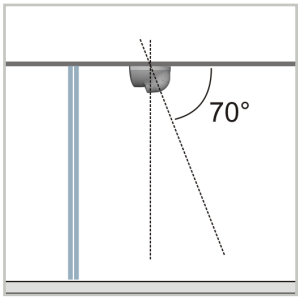
APPLICATIONS



Mounting on door axis (swing doors)

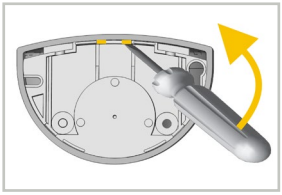


Wall mounting above sliding or revolving doors

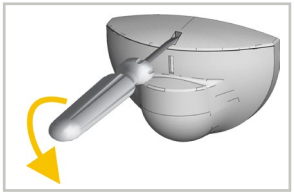


Ceiling mounting in front of sliding, revolving or swing doors (outside of the door motion range)

OPENING THE SENSOR

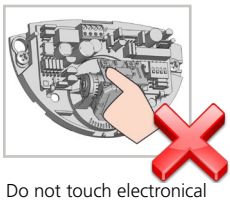


Before fixing



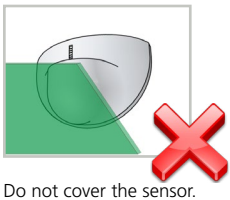
After fixing

TIPS

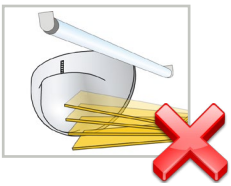


Do not touch electronical parts.

Avoid vibrations.

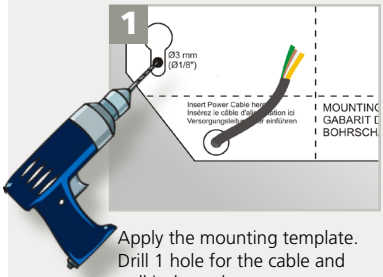


Do not cover the sensor.

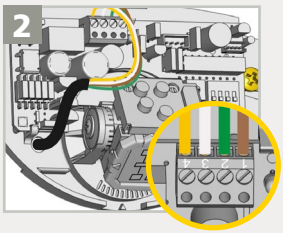


Avoid proximity to neon lamps or moving objects.

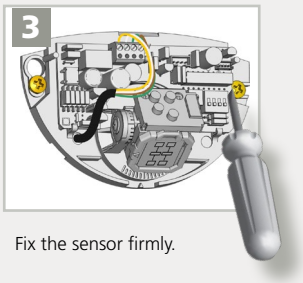
1 MOUNTING & WIRING



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



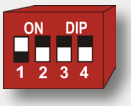
Pull the cable through the hole and connect the wires as follows:
1 - BROWN - POWER SUPPLY
2 - GREEN - POWER SUPPLY
3 - WHITE - COM
4 - YELLOW - NO/NC



Fix the sensor firmly.

2 ADJUSTMENTS

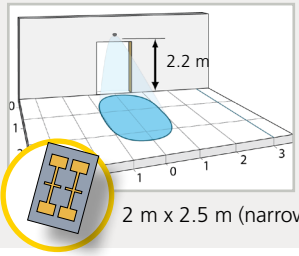
DIP-SWITCH



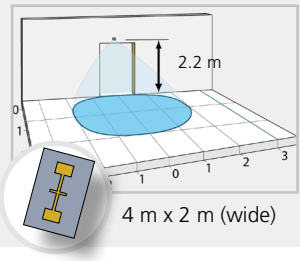
	DIP 1 DETECTION MODE	DIP 2 OUTPUT CONFIG.	DIP 3 PRM-MODE (DIP 1 = ON)	DIP 4 IMMUNITY FILTER
ON	unidirectional	passive - NC	for PRM	high
OFF	bidirectional	active - NO	normal	normal

PRM= persons with reduced mobility

FIELD WIDTH

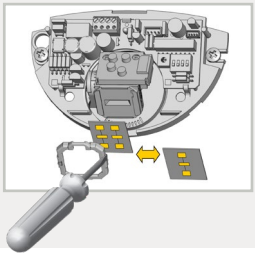


2 m x 2.5 m (narrow)



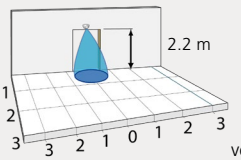
4 m x 2 m (wide)

Available as accessory

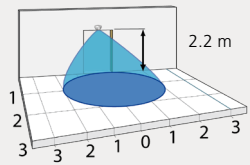


FIELD SIZE

MIN

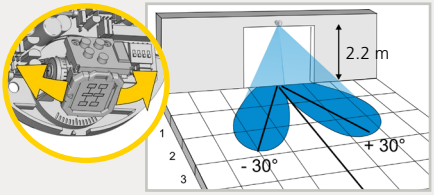


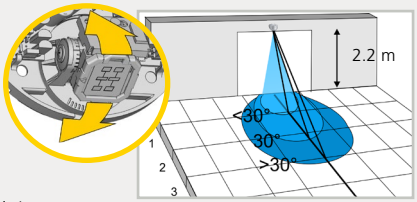
MAX



vertical angle: 30°

FIELD ANGLE





field size: max

TROUBLESHOOTING

The door remains closed. The LED is OFF.	The sensor power is off.	1 Check the wiring and the power supply.
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 closes and opens 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 Make sure the detection mode is unidirectional. 3 Increase the antenna angle. 4 Increase the immunity filter. 5 Reduce the field 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 ORA (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. 3 Increase the immunity filter.
	In airlock vestibules, the sensor detects the movement of the opposite door.	1 Change the antenna angle. 2 Increase the immunity filter.

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BEA hereby declares that the SEAGLE ONE is in conformity with the basic requirements and the other relevant provisions of the directive 2014/53/EU and 2011/65/EU (RoHS).

The complete declaration of conformity is available on our website

This product should be disposed of separately from unsorted municipal waste