

## ACCESS CODE

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

**SAVING AN ACCESS CODE:**

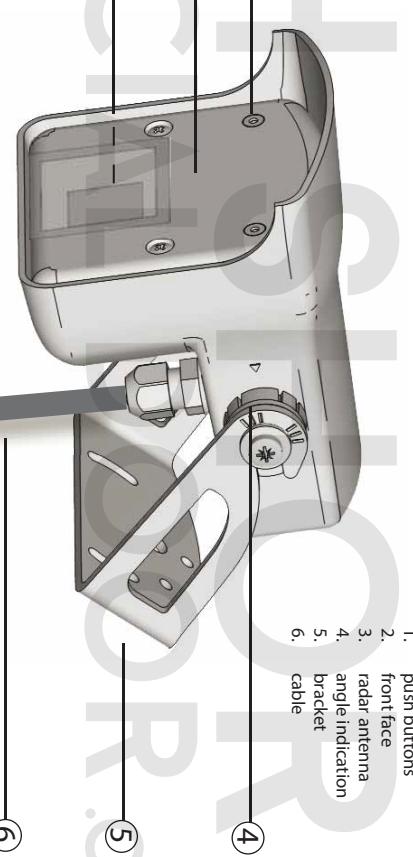
**DELETING AN ACCESS CODE:**

Once you have saved an access code, you always need to enter this code to unlock the sensor.  
If you do not know the access code, cut and restore the power supply. During 1 minute, you can access the sensor without introducing any access code.

## TROUBLESHOOTING

	The door remains closed. The LEDs are OFF.		The sensor power is off.
	The door does not react as expected.		Improper output configuration on the sensor.
	The door opens and closes constantly.		The sensor is disturbed by the door motion or vibrations caused by the door motion.
	The door opens for no apparent reason.		The sensor detects raindrops or vibrations.
	In highly reflective environments, the sensor detects objects outside of its detection field.		1 Check the wiring and the power supply. 2 Make sure the sensor is fixed properly. 3 Increase the tilt angle. 4 Increase the detection filter value. 5 Reduce the field size.
	The vehicle detection filter is used, but pedestrians are still detected.		1 Change the antenna angle. 2 Decrease the field size. 3 Increase the detection filter value.
	The chosen value is not optimal for this application.		1 Increase the detection filter value. 2 Decrease the sensor angle. 3 Increase the installation height. 4 Make sure the detection mode is unidirectional.
	The LED flashes quickly after unlocking.		1 Enter the right access code. 2 If you do not know the access code, cut the power supply and restore it to access the sensor and change the access code or delete it.
	The sensor or doors not respond to the remote control.		1 Check the batteries and change them if necessary.
	The remote control batteries are weak or improperly installed.		1 Check the batteries and change them if necessary.

## TECHNICAL SPECIFICATIONS



# FALCON / -XL

## Opening sensor for automatic industrial doors\*

FALCON: for normal to high mounting (3.5 - 7 m)

FALCON XL: for low mounting (2 - 3.5 m)

## DESCRIPTION



**SAFETY INSTRUCTIONS**  
The manufacturer of the door system is responsible for carrying out a risk assessment and installing the sensor and the door system in compliance with applicable national and international regulations and standards on door safety.  
Only trained and qualified personnel may install and setup the sensor.  
The warranty is void if unauthorized repairs are made or attempted by unauthorized personnel.

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**CE** BEA hereby declares that the FALCON is in conformity with the basic requirements and the other relevant provisions of the directives 1999/5/EC and 2004/108/EC.

The complete declaration of conformity is available on our website: [www.bea.be](http://www.bea.be)

OPEN UP NEW POSSIBILITIES

Specifications are subject to changes without prior notice .

\* Other use of the device is outside the permitted purpose and can not be guaranteed by the manufacturer.

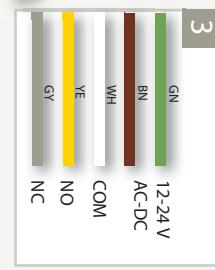
\*\* Measured in optimal condition 5



Remove the bracket from the sensor.  
Drill 2 holes accordingly.  
Fix the bracket firmly.



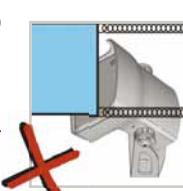
Position the sensor on the bracket and fasten the screws firmly.



Connect the wires to the door controller. Choose between NO and NC contact.



Avoid vibrations.



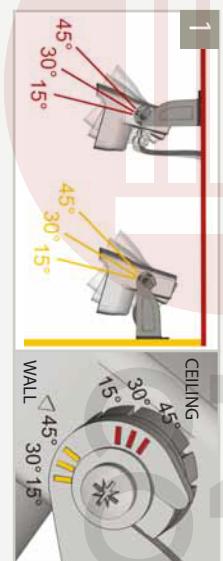
Do not cover the sensor.



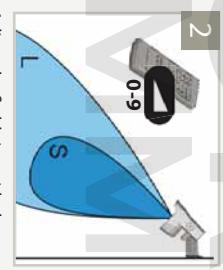
Avoid proximity to neon lamps or moving objects.



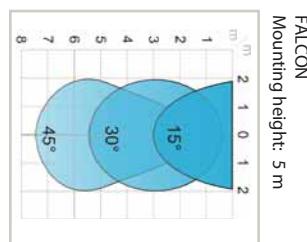
Only open the sensor when the cable needs to be replaced.



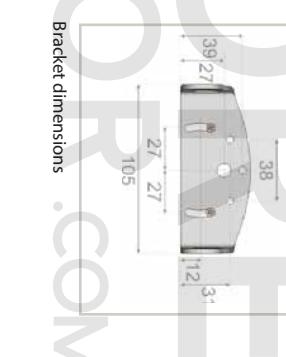
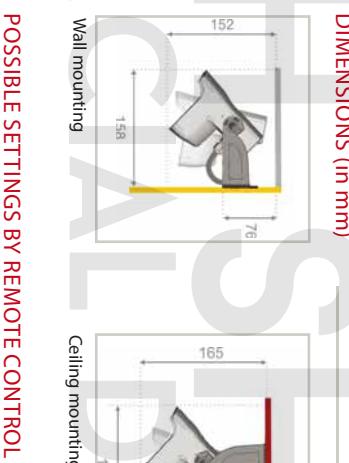
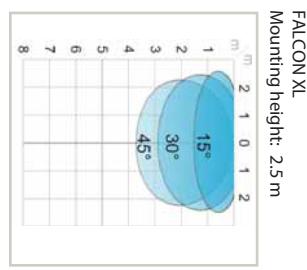
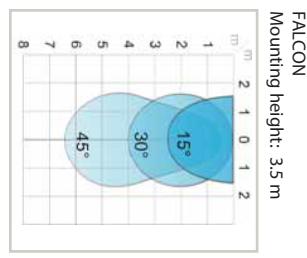
Adjust the angle of the sensor to position the detection field.



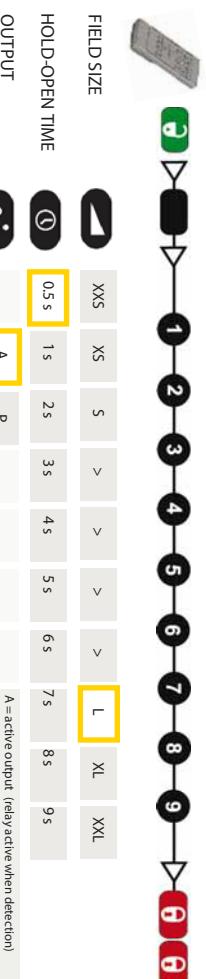
Adjust the field size with the remote control or the push buttons.



All detection field dimensions were measured in optimal conditions and with field size value 9.



RESETTING TO FACTORY VALUES:



### 3 DETECTION FILTER (REJECTION MODE)

Choose the right detection filter for your application with the remote control or the push buttons:

**Detection of all targets**  
(pedestrians and parallel traffic are detected)

1 = no specific filter  
2 = filter against disturbances  
(recommended in case of vibrations, rain etc.)

**Detection only of vehicles moving towards the sensor\***  
(pedestrian and parallel traffic are not detected + disturbances are filtered)

Value recommendations according to angle and height:

Always check if the chosen value is optimal for the application.

The object size and nature can influence the detection.