

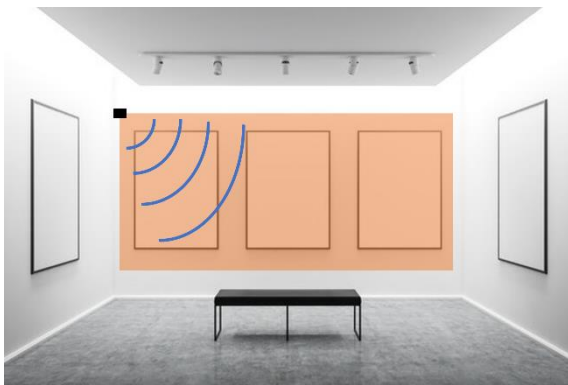


Profort laserSpot

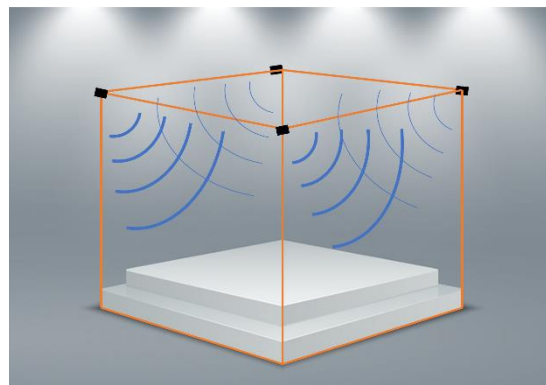
Profort's laserSpot consists of a sensor that uses laser technology and an acoustic alarm. When the secured area is penetrated by, for example, an object, an arm or a foot, the sensor emits a loud alarm tone. At the same time, an wireless alarm signal is sent to a central Piccolo alarm system.

LaserSpot is mounted in the corner of the area it is to secure. The coverage area can be a maximum of 400 x 400 cm, and the sensor can detect objects with a diameter greater than 2 cm.

The sensor can, for example, be used to secure a wall with art objects, part of a room or, if you use several sensors, you can secure a free-standing object.



Securing paintings on a wall



Securing a free-standing object.
Here 4 laserSpots are used
to achieve security from all sides

When the sensor is connected to the included power supply, it starts up with its basic setting, which is a coverage area of 400 x 400 cm.

If you want to change the coverage area, use the remote control. It is also used to change the password for the sensor.

Using the remote control

Setting the coverage area:



In order to set the size of the sensor's coverage area, the sensor must be unlocked.

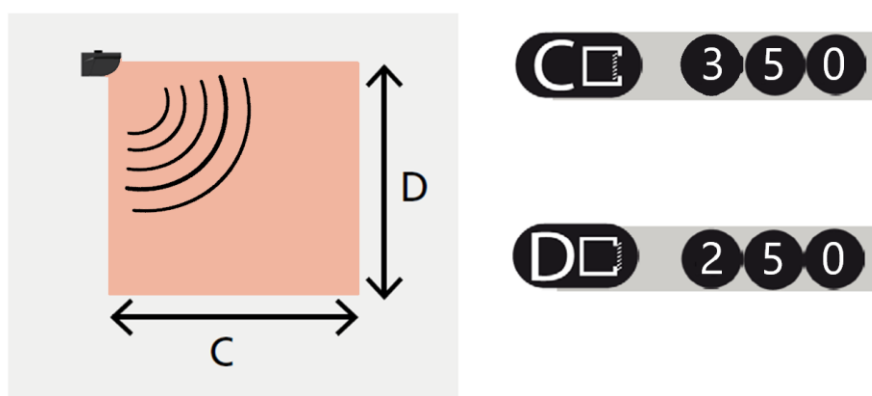
First press the "open padlock". Now the red LED flashes quickly and a 4-digit password is entered (find the password on the back of the laserSpot).

After entering, the red LED flashes slowly and the sensor is ready for setting.



Then enter the coverage area:

- To set the width, press C – the red LED will now flash quickly
- Enter the value, e.g. 350 for a width of 3.5 m – the red LED will now flash slowly
- To set the height, press D – the red LED will now flash quickly
- Enter the value, e.g. 250 for a height of 2.5 m – the red LED will now flash slowly



The size of the height and width of the coverage area can be set between 1 cm and 400 cm.

Exit setting:

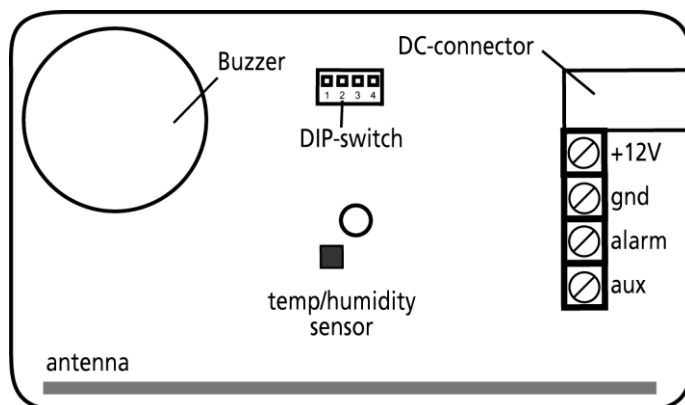
After setting the sensor, press the "closed padlock" twice. The red LED will now turn off and the sensor is locked.



Technical specifications

Max coverage area	400 x 400 cm
Min. object size	2 cm
Response time (typical)	400 ms
Voltage supply	12 VDC +/- 10 %
Power consumption	< 200 mA
Dimensions	142 x 90 x 58 mm
Weight	295 g
Temperature range	-10 °C til +55 °C
Humidity range	0 – 95 % non-condensing

Setup on laserSpot pcb:



Setup for DIP-switch:

Mode	Meaning
DIP 1: ON	Sound: High level
DIP 2: ON	Sound: On
DIP 3: OFF	Not used
DIP 4: OFF	Not used

Appendix 1.

Changing the password

First press the "open padlock".

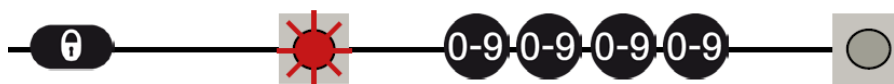
Now the red LED flashes quickly and the current 4-digit password is entered.

After entering, the red LED flashes slowly and the sensor is ready for entering a new password.



Then press the "closed padlock". The red LED will now flash quickly and a new 4-digit password will be entered.

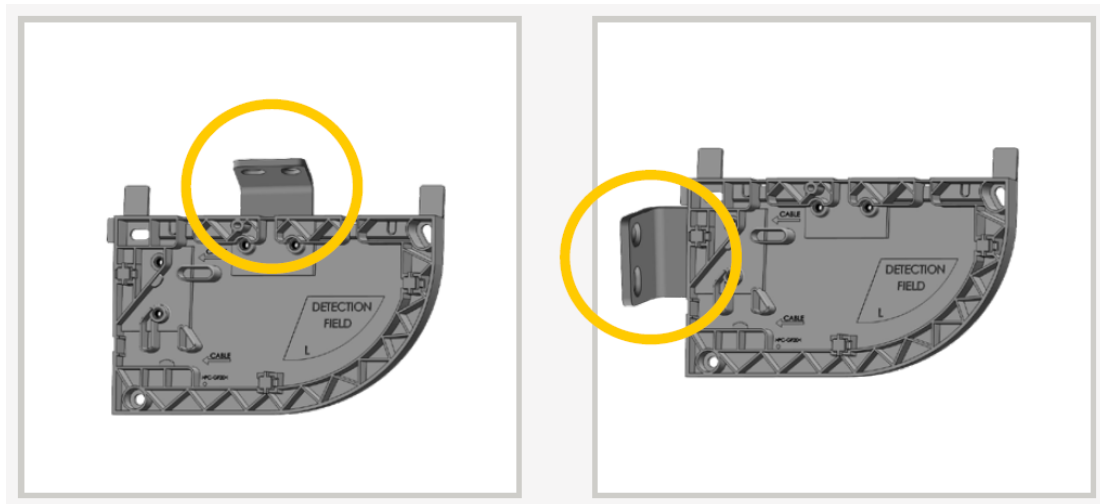
After entering, the red LED will turn off and the sensor is secured with the new password.



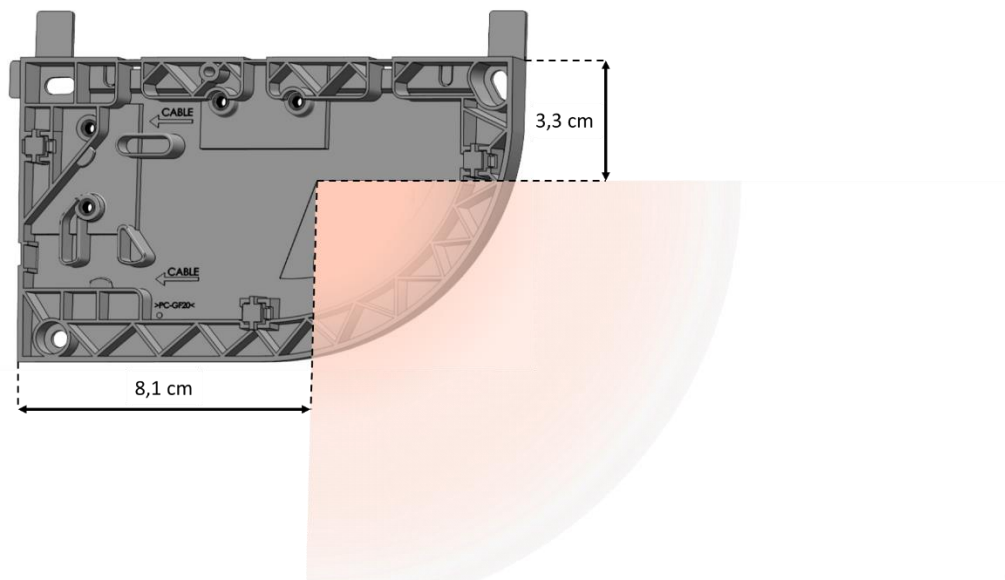
Appendix 2.

Installation

When mounting the laserSpot, the laser unit is separated from the console. The console is then mounted with the included angle bracket, which can be placed at the top or on the side. See illustration.



When installing, please note the limits of the coverage area. The horizontal limit is 3.3 cm from the top and the vertical limit is 8.1 cm from the side of the laserSpot. See illustration.



Once the console is mounted, click the laser unit back into place and connect the power supply.