

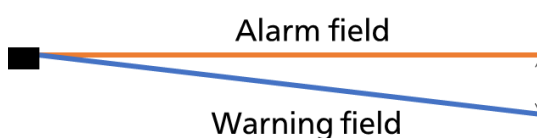


Profort laserSpot - 25 x 25 m

Profort's laserSpot consists of a sensor that uses laser technology, an acoustic alarm and a transmitter that can send an alarm to a central Piccolo system.

The sensor's coverage area consists of two fields that can be set independently of each other. The distance between the fields and the minimum size of objects that the sensor can detect depends on the distance to the sensor.

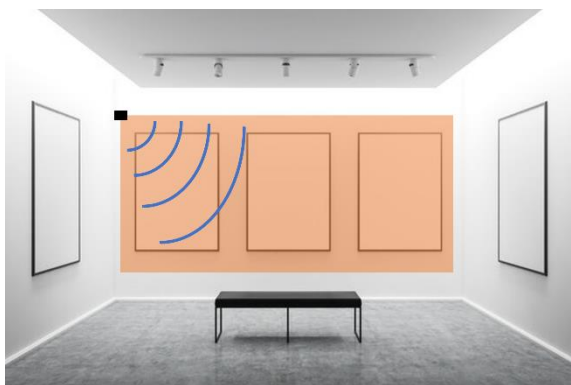
Distance from sensor [m]	5	10	25
Distance between fields [cm]	16	32	79
Min. size of object [cm]	3,5	7	17,5



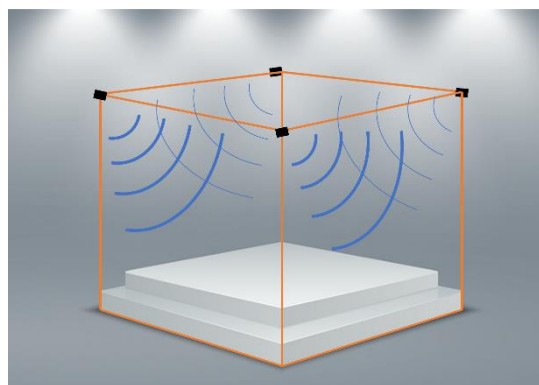
When the warning field is broken through by, for example, an object, an arm or a foot, the sensor emits a loud alarm tone. When the alarm field is broken through, an alarm signal is emitted to the Piccolo system.

The LaserScanner is mounted in the left corner of the area it is to protect. The coverage area can be a maximum of 25 x 25 m.

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



Securing paintings on a wall



Securing a free-standing object

When the sensor is connected to the supplied power supply, it starts up with its basic setting, which is a coverage area of 1 x 1 m for both fields.

If the coverage area is to be changed, use the remote control.

Using the remote control

30 minutes after last use, the sensor locks the access to the remote-control session. Cut and restore power supply. The remote-control session is accessible again during 30 minutes.

Setting the coverage area:



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

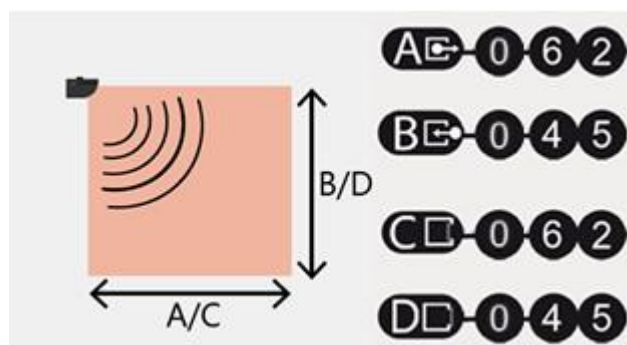
First press the "open padlock". Now the red LED flashes quickly and a 4-digit password is entered (find the password on the back of the sensor).

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



As mentioned, the sensor's coverage area consists of two fields: Alarm field and warning field. The height and width of the fields can be set in the range of 0.1 to 25 m, and they are set independently of each other.

Example of setting



A & B: Warning field setting

C & D: Alarm field setting

Both fields are set to a width of 6.2 m and a height of 4.5 m (fields can be set to different size)

Activity	Remote control	Red LED on sensor
Start	Unlock the sensor	Flashing slowly
Warning field – width	Press A	Flashing quickly
	Enter the value 062	Flashing slowly
Warning field – height	Press B	Flashing quickly
	Enter the value 045	Flashing slowly
Alarm field – width	Press C	Flashing quickly
	Enter the value 062	Flashing slowly
Alarm field – height	Press D	Flashing quickly

	Enter the value 045	Flashing slowly
Lock sensor	Press 2 times "Padlock"	Off

Exit setting:

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



Note

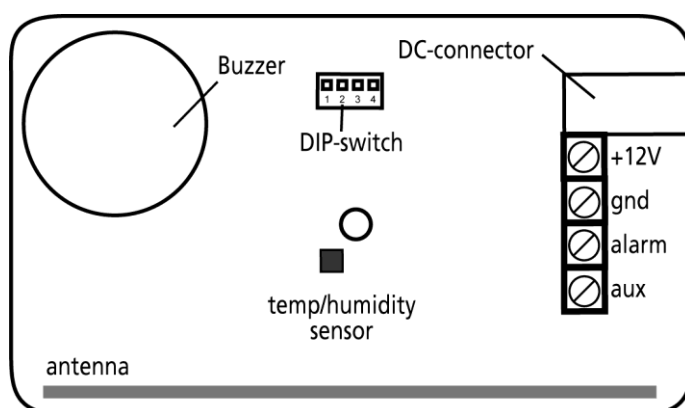
Profort has made all the basic settings of the sensor and it is recommended not to change more than the coverage area as described.

If it is required to change the basic settings, please refer to the main manual which is supplied together with the sensor, but be careful.

Technical specifications:

Max coverage area	25 x 25 m
Min. object size	3,5 cm v. 5 x 5 m; 7 cm v. 10 x 10 m; 17,5 cm v. 25 x 25 m
Response time	20 ms (typical) max. 80 ms
Voltage supply	12 VDC +/- 10 %
Power consumption	< 475 mA
Dimensions	125 x 93 x 70 mm (mounting base + 14 mm)
Weight	
Temperature range	-10 °C to +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