



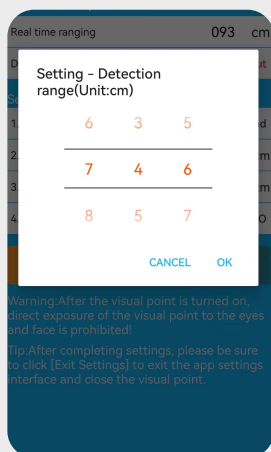
LS90 Laser Safety Sensor

Giants Sensor Technology

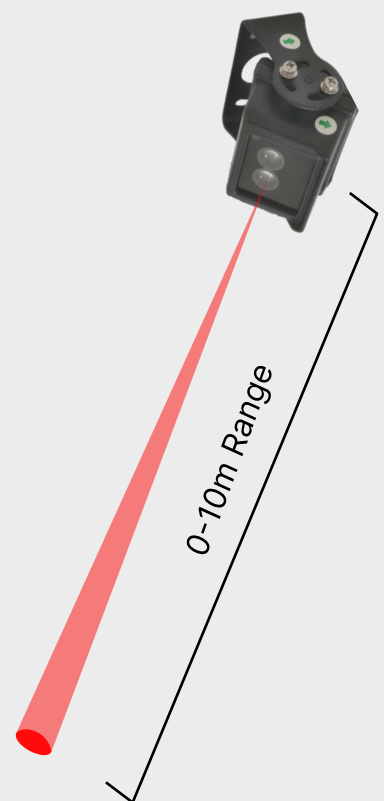
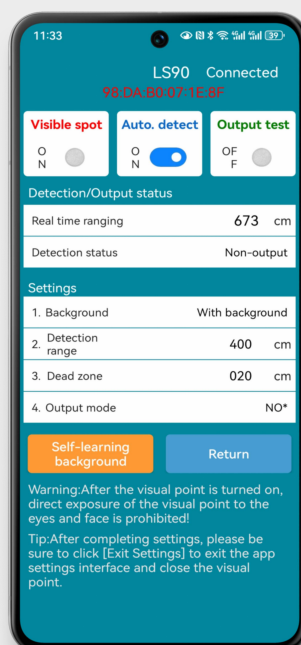
LS90 Features



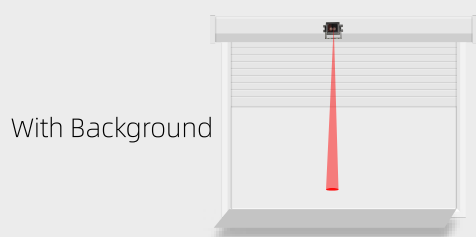
APP Settings ✖



Set range by App

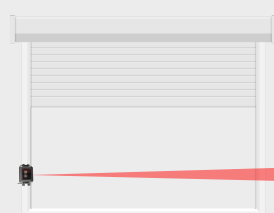


Background ↓



With Background

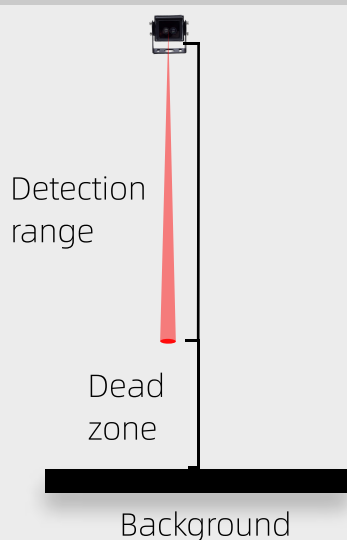
Auto-learning or set detection range



Without Background

Set detection range

Detection range ↑



The distance from LS90 to background
=Detection range+Dead zone

Automatically calculated by the sensor

Parameters T

Detection range

0-10m @90%reflectivity

0-2.5m @10%reflectivity

Accuracy

±6cm @(0.2m~3m)

±2% @(3m-10m)

Range resolution

1cm

Frame rate

1-250HZ(adjustable)

Ability to resist ambient light

70Klux

Operating temperature

-30°C~60°C

Protection class

IP65

Light source

VCSEL

Weight

200g

Central wavelength

850nm

Human eye safety

Class1(IEC60825)

FOV

2°

Power supply

12-36V AC/DC

Average current

≤70mA

Consumption

≤0.35W

Peak current

150mA

Output

48VACDC,100mA

Dimension

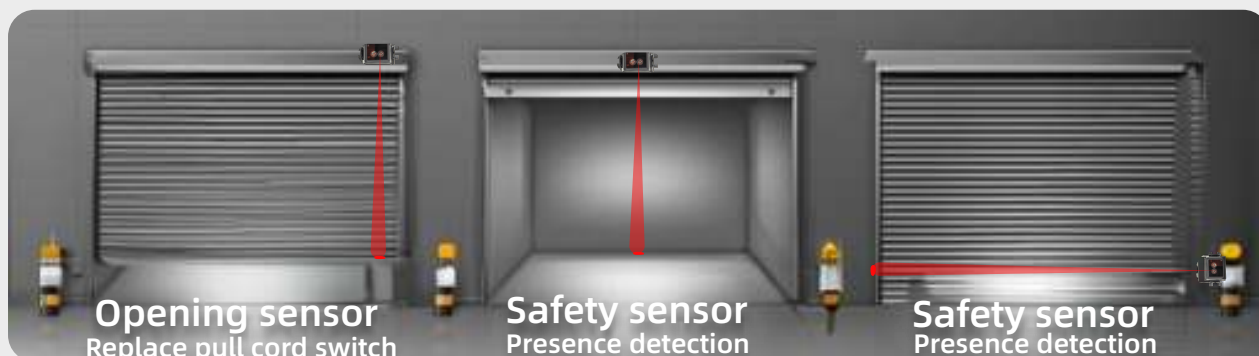
53mm x 47mm x 57mm

Housing material

Aluminum

LS90

Typical usage



Applications



Presence detection



Opening sensor

Quick setup

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