US－LSR

Description
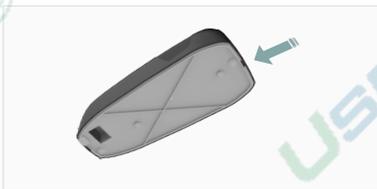

1. Detection module
2. Learning button
3. Power cable
4. Light blocking cover
5. Cover
6. Dip switch

Technical Specifications

Technology	Laser TOF
Detection Mode	Motion and presence
Detection Range	0-6m
Supply Voltage	12V - 24V AC/DC
Power consumption	< 1W
Output Current	1A (Max)
Response Time	<100ms
Temperature Range	from -40 ℃ to +80 ℃
Current Consumption	< 100mA
Retention Time	1s
Degree of Protection	IP54
Dimension	121 mm (L) x 29 mm (H) x 52.5 mm (W)
Material	ABS & PC
Cable Length	1.5 m
Application Fields	Barrier gate/Industrial door/Turnstile/ Escalator and moving sidewalks/Vehicle counting etc

1. OPENING THE SENSOR

Open from the top before fixing

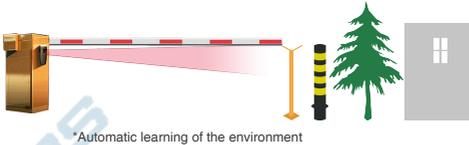Open from the bottom after fixing

2. MOUNTING & WIRING

1、 Drill two screw holes and a wire hole according to the sticker

2、 Thread the cable through the gasket and then the wire hole.

3、 Fix the sensor with M3 screw, gasket and M3 nut.

RED - POWER SUPPLY +
BLACK - POWER SUPPLY -
YELLOW - NC
GREEN - NO
WHITE - COM

3. FIELD POSITIONING

*Automatic learning of the environment

⚠ Please set the distance when LSR is first time used

Step1: Power on LSR

Step2: Choose fixed distance or adjustable distance, follow the below instruction.

Fixed distance (3M/6M)

ON
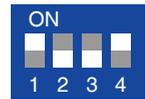1 2 3 4

3M: Switch1 OFF, Switch3 OFF, cover the shell

ON
1 2 3 4

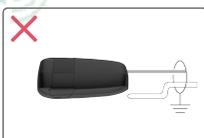6M: Switch1 OFF, Switch3 ON, cover the shell

Adjustable distance (0-8M)

ON
1 2 3 4

1 minute: Switch1 ON, Switch4 OFF

ON
1 2 3 4

3 minutes: Switch1 ON, Switch 4 ON

1、 Set the learning time.

2、 Keep pressing the learning button for 5s until the LED flashes and buzzer beeps, then cover the shell. (The buzzer beeps once every second.)

3、 Place the obstacle at the distance to be set. If the distance is 5M, place it at 5M. Except for the obstacle, keep other objects away from the detecting range.

4、 Setting succeeds when LED keeps on and buzzer keeps beeping. Otherwise, setting fails.

Tips

1.Piping one line to avoid signal interference

2.Do not pull the cable hardly

3.Do not hit the cover with hard objects

4.Do not use aggresive product to clean the cover