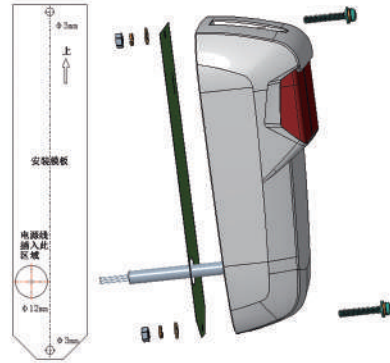


Wiring and Output

1. Use the installation template to drill two $\phi 3$ screw holes and one $\phi 12$ wire hole.
2. Thread the power cable into the cable hole.
3. Use 2 M3 screws + 2 M3 nuts + 2 spring washers + 2 washers to fix the sensor.



	No Obstruction within learning distance	Obstruction within learning distance	NO Power
NO	LED off Output off	LED on Output on	Output on
NC	LED off Output on	LED on Output off	Output off



! Note: Please refer to the following spot diameter, so that the distance between the probe position and the rod/door must be greater than the corresponding spot diameter at different distances to avoid false triggering.

Instructions for Use

1. Power on, the buzzer rings and starts self-test. Once the self-test passes, the buzzer will stop, enter the working state.

! Learning operation must be started for the first time using. Remember to remove the protective film of the viewing window when using it.



OSPREY LASER SAFETY SENSOR

Please fully consider the the sensor installation height to ensure that all possible scenarios can be properly covered and detected. If there is an ultra-high trailer, another sensor needs to be installed at a high position. If it is installed at a barrier, please confirm that the installation height can cover all vehicle heights.

! If it cannot be detected due to improper installation position, the loss caused will be borne by the user.

Application



Garage door



Barrier gate



Sliding door

Attention: For outdoor applications, it is recommended to add a rain cover to prevent raindrops droplets from affecting the function of the viewing window

Technical Specifications

Technology	Laser TOF
Detection Range	0-4M(Out Door) 0-8M(INDOOR)
Indicator LED	Obstruction within learning distance: Red LED ON No Obstruction within learning distance: Red LED OFF
Power Supply	DC 12V-24V AC/DC
Standby Power Consumption	< 1.5W
Current Consumption	<100mA @12VDC
Fastest Response Time	<100ms
Output	Relay output Max. conversion voltage: 125V AC/30V DC Max. switching current: 1A
Operating Temperature	-30°Cto+60°C
Material	ABS & BC
Power Cable	1.5M

- Press , to enter anti-interference settings, red LED fast flashing. Press button 1-9 to select the gear, press + again to confirm the settings.

The larger the number, the stronger the anti-interference, the less sensitive it is.

	1	2	3	4	5	6	7	8	9
distance	low	>	>	>	>	>	>	>	High

- Press , to enter trigger judgment mode selection settings, red LED fast flashing. Press button 0 or 1 to select the gear, press + again to confirm the settings.

0- Normal judgment mode. Suitable for general applications.

1- Fixed background high-reliability judgment mode.

Suitable for outdoor complex scenes requiring high reliability, this mode requires a fixed background for selection.)

- Press , to enter factory configuration settings, red LED flashes quickly. Press + + again to restore to factory configuration settings. (Anti-interference level 4, blind zone 100mm, trigger judgment mode is set to normal mode.)

2.Set the learning background distance

Wait for the buzzer to stop ringing within 20 seconds after powering on, block the sensor three times at close range(>0.1m and <0.25m) to trigger automatic learning background mode. At this time, the buzzer begins to emit corresponding rings based on the distance, to indicate the distance to enter automatic learning background setup mode. The buzzer rings long once, learning succeed.



NOTE:

If the obstruction is valid, the buzzer will ring(Example: it will ring three times if obstructed three times.) Buzzer indicates distance: continuous short beep once for within 1m, twice for 2m, constant beep for out of range

3.Advanced parameter adjustment via remote control

- | | | | |
|--|-------------------------|--|--------------------|
| | Factory Reset | | Unlock |
| | Anti-interference Level | | Lock |
| | Judgment Mode Selection | | Gear Selection |
| | Debug Mode | | Blind Zone Setting |
| | Distance Setting | | |



Note: Please aim the remote control at the right window. When the button is pressed effectively, the buzzer will beep once.

Press the unlock to enter standby mode, with the red LED flashing slowly;

Press the following 6 function buttons to configure parameters:

- Press + + + in sequence to enter debug mode: The number of buzzer rings indicates the distance. Auto-close after 80 seconds of timeout.
- Press the +number button+ + in sequence to set the distance.Set the background distance directly according to the numbers 1-9 as shown in the image below:
For example: press + 2 + + to set the background distance to 1.5m
press + 9 + + to set the background distance to 5m

1	2	3	4	5	6	7	8	9	0
1m	1.5m	2m	2.5m	3m	3.5m	4m	4.5m	5m	self learning background mode

When self-learning background distance is less than 10m, it'll automatically be limited to 10m and alarm

- Press , to enter blind zone settings, red LED fast flashing. Press button 1-9 to select the gear, press + again to confirm the settings.

	1	2	3	4	5	6	7	8	9
distance	2cm	4cm	6cm	8cm	10cm	12cm	14cm	16cm	18cm