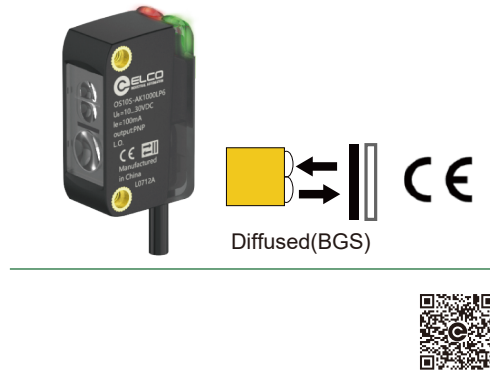


Product Description:

- High performance small square type photoelectric sensor, standard mounting aperture 25.4mm , Infrared laser 1m TOF type GBS diffuse reflection
- Suitable for logistics, photovoltaic, lithium, AGV and other industries

Product features:

- 1m TOF type diffuse reflection button teaching detection distance, adjustable between light-on and dark-on
- Equipped with red LED light source
- IP67 protection rating



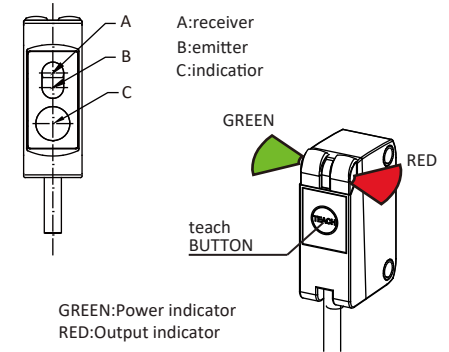
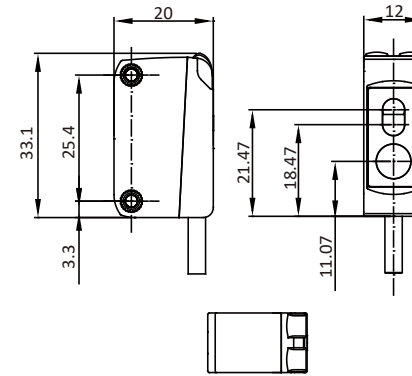
Type	Distance	Detection light source	Indicated light source	Output	Connection	Wiring
OS10S-AK1000CN6 *M ¹⁾	50mm-1000mm	Infrared VSCSEL	Red LED	NPN	Cable	Fig.1
OS10S-AK1000CP6 *M ¹⁾	50mm-1000mm	Infrared VSCSEL	Red LED	PNP	Cable	Fig.2

Note 1): * M refers to the cable length in meters. If there is no * M in the model, the default cable length is 2 meters.

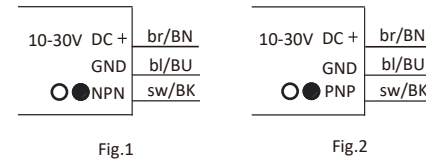
TECHNICAL SPECIFICATION

OPERATING VOLTAGE	10...30VDC	AMBIENT TEMPERATURE OPERATION	-0°C...+50°C
RIPPLE VOLTAGE	±10% of U _B	AMBIENT TEMPERATURE STORAGE	-40°C...+70°C
DETECTION LIGHT SOURCE	Infrared VCSEL 940nm	CIRCUIT PROTECTION	Short-circuit protection, Reverse polarity protection, Over-load protection
OUTPUT CHARACTERISTIC	PNP/NPN	PROTECTION DEGREE	IP67
LOAD CURRENT	≤100mA	HOUSING MATERIAL	PC+PBT, PMMA
OPERATING FREQUENCY	30Hz	CONNECTING TYPE	2m PVC cable
ADJUSTMENT OF OPERATING DISTANCE	Button Settings		
DETECTION LIGHT SPOT SIZE@1M	20mm*20mm		
INDICATED LIGHT SOURCE	Red LED		

DIMENSIONS



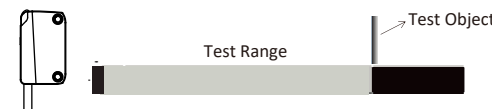
ELECTRICAL CONNECTION



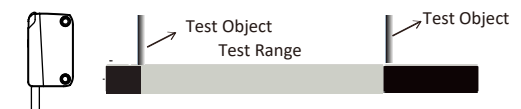
OS10S SERIES PRODUCT INSTRUCTIONS:

1. Single point mode setting: press and hold the key for more than 3 seconds and less than 10 seconds the green light flashes 3 times. The setting is successful.
2. Window mode setting: place the target at the required nearest sensing distance as the nearest threshold (≥ 70mm), Short press the key (more than 200ms, less than 2S) and the red light flashes; Place the target at the required farthest distance as the farthest threshold (≤ 1000mm), Short press the key, the green light flashes three times, and the setting is successful; Set the maximum distance and complete the operation within 10s, otherwise the red light flashes for 5 times and exits automatically.
3. Indicator light source off/on function, short press the button twice to switch the current indicator light source status.
4. Light to dark switching setting: Short press the button 3 times to switch the current light to dark switching state.
5. There should be no fingerprints and stains on the surface of the window. It should be cleaned, otherwise it will affect the performance of the product.
6. The product cannot be used with ordinary transparent glass or acrylic sheets. And the product will be sensitive to the above objects.

SINGLE POINT MODE



WINDOW MODE



产品说明：

- 高性能小型光电传感器，标准安装孔径25.4mm，红外激光1m的TOF型GBS漫反射
- 适用于物流运输、光伏、锂电、AGV等行业

产品特点：

- 1mTOF型漫反射按键检测距离
- 可提供红光指示光源
- IP67防护等级



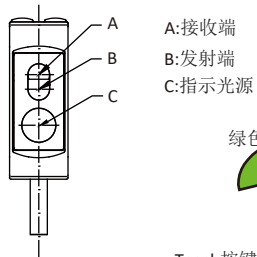
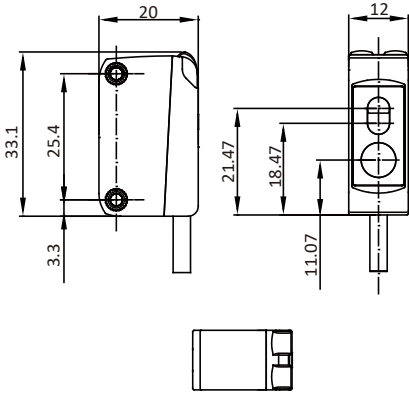
型号	检测距离	检测光源	指示光源	输出方式	连接方式	接线图
OS10S-AK1000CN6 *M ¹⁾	50mm...1000mm	红外VSCEL	红光LED	NPN	线缆	图1
OS10S-AK1000CP6 *M ¹⁾	50mm...1000mm	红外VSCEL	红光LED	PNP	线缆	图2

注1)：*M表示线缆长度，单位米，型号中无*M默认线缆长度为2米。

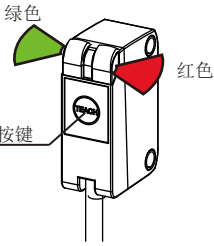
技术参数

工作电压	10...30VDC	工作温度	-0°C...+50°C
纹波电压	±10% of U _B	环境温度	-40°C...+70°C
检测光源	红外-VSCEL 940nm	保护电路	短路保护 反极性保护 输出过载保护
输出特性	PNP/NPN		
负载电流	≤100mA	防护等级	IP67
开关频率	30Hz	外壳	PC+PBT,PMMA
检测距离设定	按键设定	连接方式	2m PVC线缆
1米处检测光斑尺寸	20mm*20mm		
指示光源	红光LED		

外形尺寸



绿色：电源指示灯
红色：输出指示灯



接线图

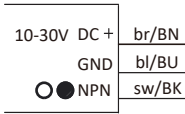


图1

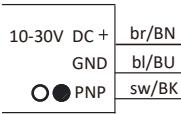


图2

○ = 亮通
● = 暗通

OS10S系列产品使用说明

1. 单点模式设置：长按按键3秒以上，10秒以下 绿灯闪烁3下，设置成功。
2. 窗口模式设置：将目标放置到要求最近的感应距离作为最近阈值（≥70mm），短按按键（200ms以上，2s以下）红灯闪烁；将目标放置到要求的最远距离作为最远阈值（≤1000mm），短按按键，绿灯闪烁三下，设置成功；设置最远距离需在10s内完成操作，否则红灯闪烁5次，自动退出。
3. 指示光源关闭/开启功能，短按按键2次可对当前指示光源状态进行切换。
4. 亮暗通切换设置：短按按键3次可对当前亮暗通状态进行切换。亮暗通切换设置：短按按键3次可对当前亮暗通状态进行切换。
5. 产品不可透过普通透明玻璃或亚克力板使用，产品会对上述物体有感应。
6. 视窗表面不可有脏污，需清洁干净，否则影响产品性能。

单点模式：



窗口模式：

