

## Retro-Reflective Photocell (Item No. LM104B)

### User Manual

Thank you for purchasing the Retro-Reflective Photocell (LM104B). It is designed to be used as a reversing sensor for automatic garage door, vehicle swing gates and parking barriers. It is very easy to install and use with reliable performance.

### Specifications

Detection Method: Retro-Reflective

Angle: 1.5° approx.

Max. Sensing Range: 40 Feet (12 m)

Supply Voltage: 12-36VDC/12-24VAC

Output: Relay SPDT

Output Capacity: 1A/24VDC, 1A/120VAC

Protection Degree: IP66

### Part List

 Retro-reflective photocell (1PC)	 Reflector (1PC)	 X8
		 X8
 Water-proof Cover for Photocell (1PC)	 Water-proof Cover for Reflector (1PC)	 X1
		 X4

# Installation

## ⚠ WARNINGS

- ★ Do not touch un-insulated cables unless they are disconnected upstream. Do not install the sensor during storms with lightning.
- ★ If the cable is subjected to flexing, a coiled section should be used with a bending radius that prevents 90 degree bends in angle.



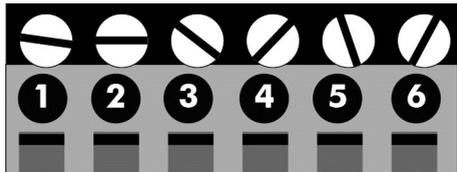
Reflector

Retro-reflective photocell

Install the photocell over the height of 20cm. Install the photocell vertically with the bracket. **Power on the photocell to determine the position of the reflector. Ensure there is no obstruction between photocell and the reflector. Fix the reflector when the working light of the photocell is Green.**

## Wiring Connection

Definition of the terminals:



TS AC10-25V NO NC COM  
DC12-30V

**TS (#1):** No use. Terminal for factory testing.

**AC10-25V DC12-30V (#2 & #3):** Power Input, 10-25VAC or 12-30VDC. No matter the polarity if the power input is DC power.

**NO (#4):** Output contact. **Normal open while the photo beam is aligned. Normal closed while the photo beam is obstructed.**

**NC (#5):** Output contact. **Normal closed while the photo beam is aligned. Normal open while the photo beam is obstructed.**

**COM (#6):** Common Output contact.