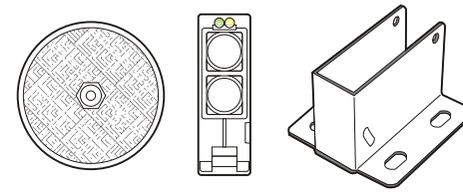


## Retro-Reflective Photoelectric Beam Sensor

Input Voltage: Both AC / DC 12~250V (Free Power)

Output: IR-1200L (Normally close relay output – Light on)

IR-1200D (Normally open relay output – Dark on)



### Front View

Power LED Indicator-Green(Left)

When powered—Green led indicator on;  
when power off—Green led indicator off.

Beam Alignment LED Indicator-Yellow(Right)

IR-1200L (Normally close relay output-Light on)

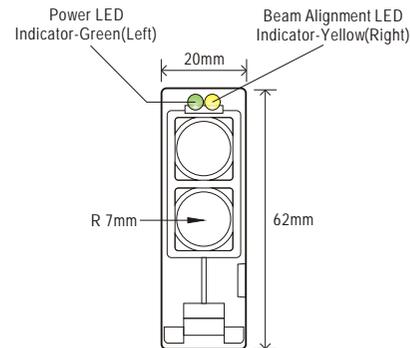
When beam aligned properly: Yellow LED indicator on

When beam broken: Yellow LED indicator off

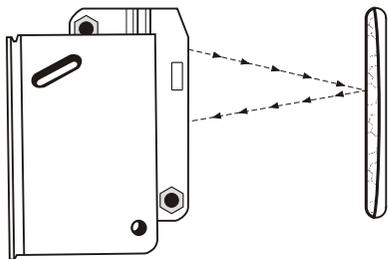
IR-1200D (Normally open relay output-Dark on)

When beam aligned properly: Yellow LED indicator off

When beam broken: Yellow LED indicator on

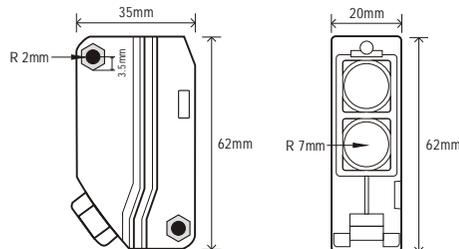


### Side View



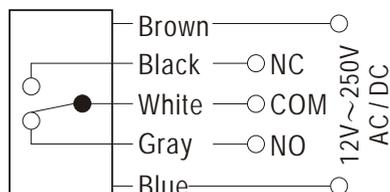
(Sensor / Reflector / Mounting Bracket)  
Cable wire length: 2meters

### Dimensions

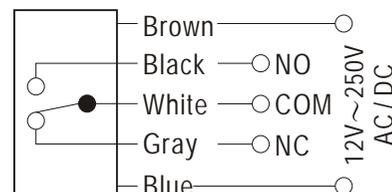


### Wiring Connection Diagram

LIGHT ON  
(N.C.)



DARK ON  
(N.O.)



### Specifications

Model No	IR-1200L / IR-1200D
Output Method	IR-1200L: Normally close relay output; Light on IR-1200D: Normally open relay output; Dark on
Detection Method	Retro-Reflective Detection
Sensing Range	12 meters
Input Voltage	Both AC / DC 12V~250V (Free Power)
Response Time	15 ms
Emitting Element	IR LED
Power LED Indicator (Green)	Green (Left Side); when powered: LED turn on when power off: LED turn off
Beam Alignment LED Indicator (Yellow)	Yellow LED Indicator (Right Side) IR-1200L(Normally close relay output-Light on) When beam aligned properly: Yellow LED indicator on When beam broken: Yellow LED indicator off IR-1200D(Normally open relay output-Dark on) When beam aligned properly: Yellow LED indicator off When beam broken: Yellow LED indicator on
Dimensions	20 (W) * 62 (H) * 35 (D) mm
Current Consumption	IR-1200D—Beam aligned: 32mA; broken: 52mA IR-1200L—Beam aligned: 52mA; broken: 32mA
Contact Current	1A / 250VAC
Illumination	Lamplight < 10,000 Lux ; Sunlight < 30,000 Lux
Connection Method	2 meters cable wires (both Tx / Rx)
Noise Resistance	1500 Vp-P / 1uS
Surge Resistance	2KV / 1uS
Vibration Resistance	10~55 Hz / 1.5 mm, 2 Hour In X.Y.Z. Phase
Housing Material	Case: Intensive ABS; Lens: PC
Operating Temp	- 20°C ~55°C
Water Proof	IP-66
Safety Standard	CE



Manufactured by:  
**ECA Electronic Engineering Pty. Ltd.**  
Tel: 03-95720535 Fax: 03-95720536 Australia.