

Free Power Photoelectric Beam Sensor

I R series: I R-700/I R-3000/I R-100 (Normal open or Normal close output)

Sensing Range: 1~30 meters (Depended on detection method)

Features:

Universal AC/DC input voltage
IP-66 water proof
N.C./N.O. relay Output
6 feet cable wires
Mounting bracket/screws included
VR adjustment screwdriver included
Sensing range adjustable

Applications:

Gate or garage door
Overhead doors
Swing gate
Door entrance
Parking lot
Alarm system
Warehouse

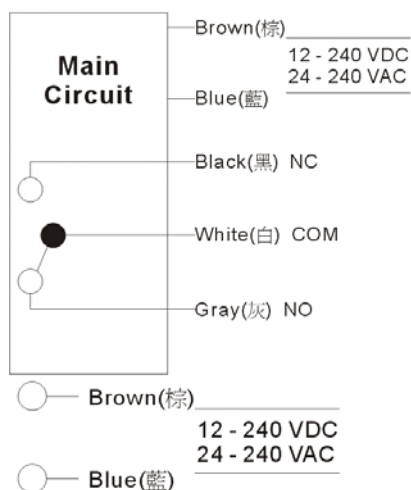


Specifications:

Detection Method		Retro-Reflection	Through Beam	Diffused Reflection
Item No.	N.C.	IR-700L/IR-500LP	IR-3000L	IR-100L
	N.O.	IR-700D/IR-500DP	IR-3000D	IR-100D
Sensing Range		7 meters/5 meters	30 meters	1 meter
Input Voltage		DC 12-240V +/- 10% or AC 24-240V +/- 10%		
Response Time		15ms		
Emitting Element		IR LED		
Operation Indicator		Yellow LED (turn on when beam is broken)		
Dimensions		21mm (w) * 55 mm(h)* 50 mm(d)		
Current Consumption		beam aligned.: 20mA beam broken.: 47mA		
Output Method		Relay output		
Contact Current		3A/250VAC		
Illumination		Lamplight<10,000 Lux ; Sunlight<30,000 Lux		
Connection Method		Cable lead wires:Brown/Blue/White/Black/Gray		
Noise Resistance		1500Vp-P/1us		
Surge Resistance		2KV/1uS		
Vibration Resistance		10-55hZ/1.5mm, 2 Hour In X.Y.Z. Phase		
Housing Material		Case: Intensive ABS; Lens: PC		
Operating Temp.		-20 ~60		
Water Proof		IP-66		
Safety Standard		CE		

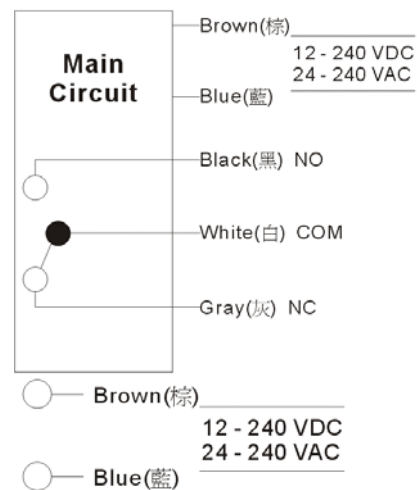
***** IR-500LP/IR-500DP: POLARIZED (Retro-Reflection Type)

Wiring Connection (N.C. Type)



L: N.C.
D: N.O.

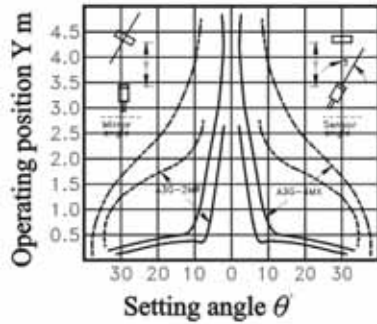
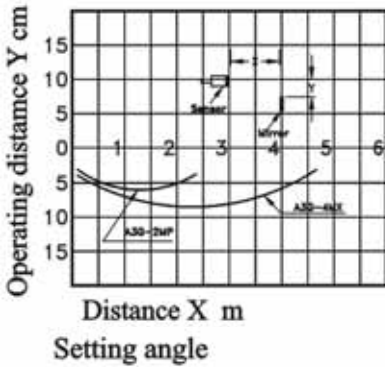
Wiring Connection (N.O. Type)



Characteristic Curve (Typical)--SETTING AREA

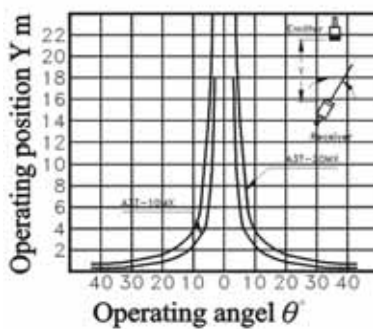
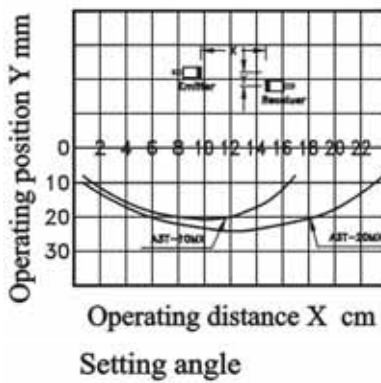
1.Retro-Reflection

IR-700L / IR-700D



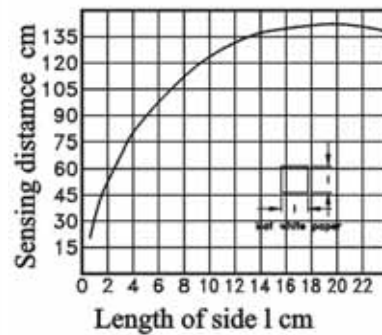
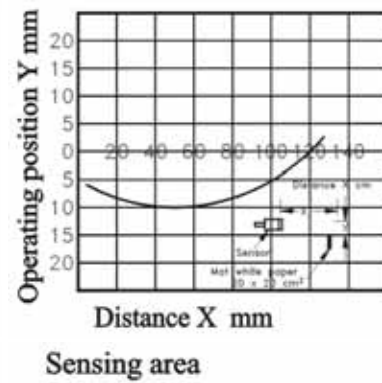
2.Through Beam

IR-3000L / IR-3000D



3.Diffused Reflection

IR-100L / IR-100D

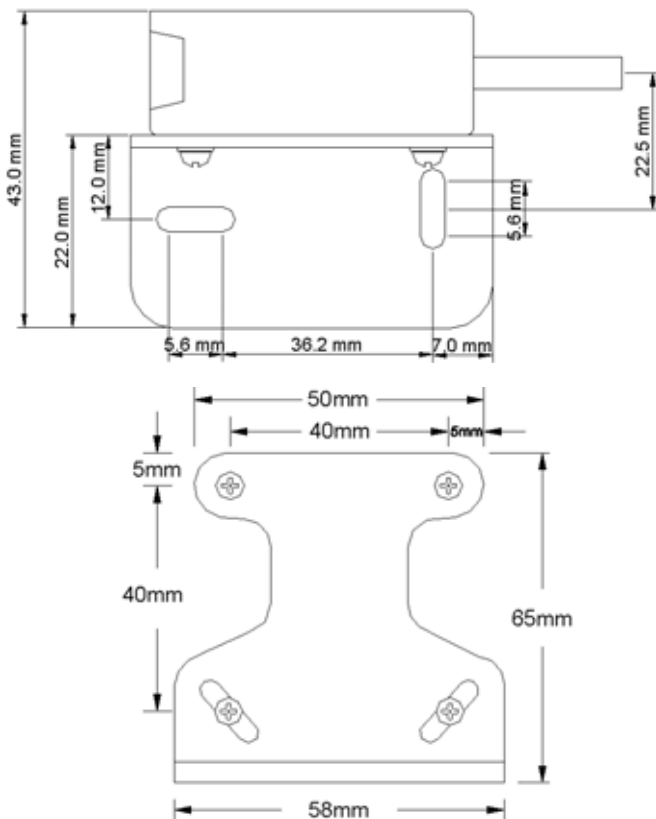


N.O. output (Dark On)	N.C. output (Light On)	Input Volt.:(Through Beam) / Tx
Brown : 12-240 VDC	Brown : 12-240 VDC	Brown : 12-240 VDC or
Blue : 24-240 VAC	Blue : 24-240 VAC	Blue : 24-240 VAC
Black : Normal Open	Gray : Normal Open	(None polarity)
White : Common	White : Common	
Gray : Normal Close	Black : Normal Close	

Dimensions:

Sensor and bracket:

Size: 21mm(w)×55mm(h)×50 mm(d)



Reflector (mirror) & sensitivity knob:

51mm(w)×61mm(h)×8mm(t)-Frame included

51mm(w)×51mm(i)×3mm(t) : Mirror only

