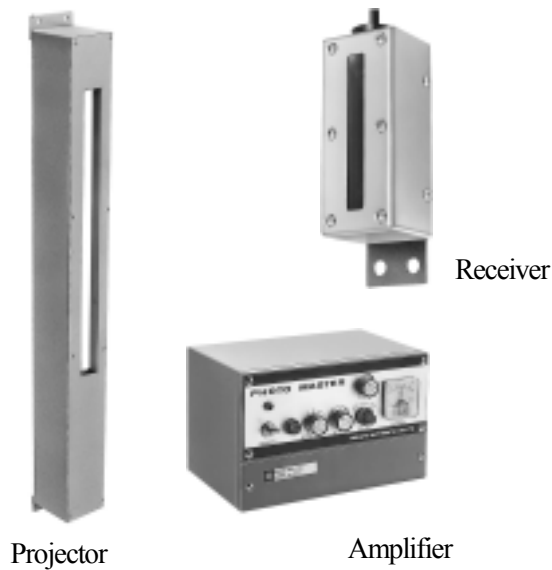


NEW PRODUCTS

HOKUYO

LOOP CONTROL SENSOR

PXA-11



General

This is a photoelectric loop control sensor. It is composed of projector an receiver that are installed in front of and behind a loop, and amplifier unit and it executes voltage output normally or inversely proportional to the loop length and control the motor in take-up side or supply side so that take-up tension may always remain constant.

- * It is suitable for high-speed take-up because response time is high.
- * Don't damage the sheet because non-contact detection.
- * Life is long and it is easy to replace it because light source is fluorescent lamp.

Kind and models

Kinds	Model No.			Setting distance	Control range *
	Projector	Receiver	Amplifier		
Loop control sensor	PXE-20L	LP-1D-A	PXA-11D	0.5m to 2m	250mm
		LP-1D-W		1.5m to 3.5m	
		LP-1D-L		2.5m to 7m	
	PXE-40L	LP-1D-A		1m to 3m	550mm
		LP-1D-W		2.5m to 7m	
		LP-1D-L		5m to 10m	
	PXE-40L (2 pcs in serial)	LP-1D-A		2m to 4m	1,000mm
		LP-1D-W		5m to 10m	
		LP-1D-L		10m to 14m	
	PXE-40L	LP-1D-W or LP-1D-L (3 pcs)		1m to 10m (But available range is 0 to 6.6m)	1,000mm

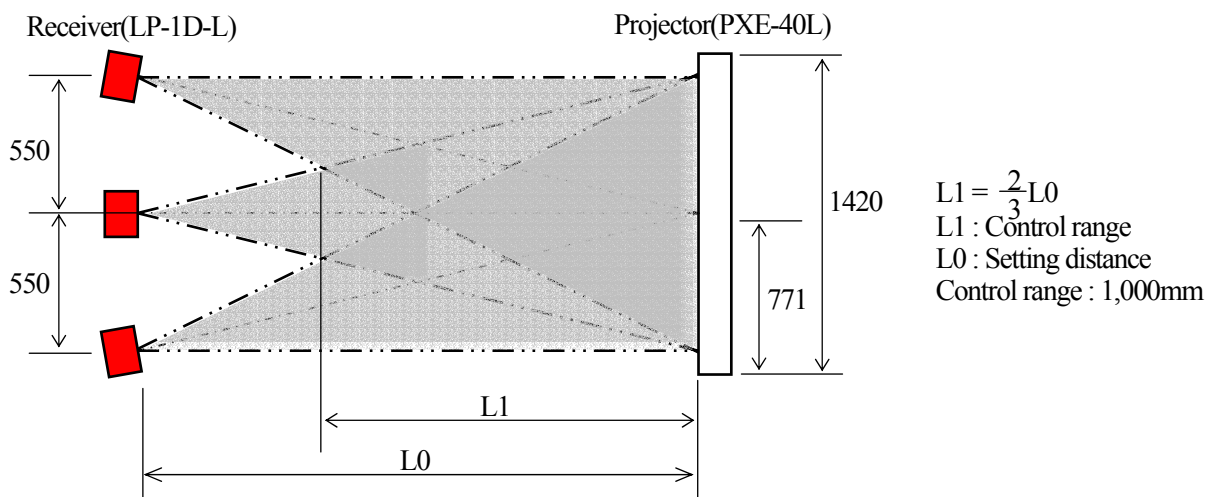
* Control range means center value between projector and receiver.

Specifications

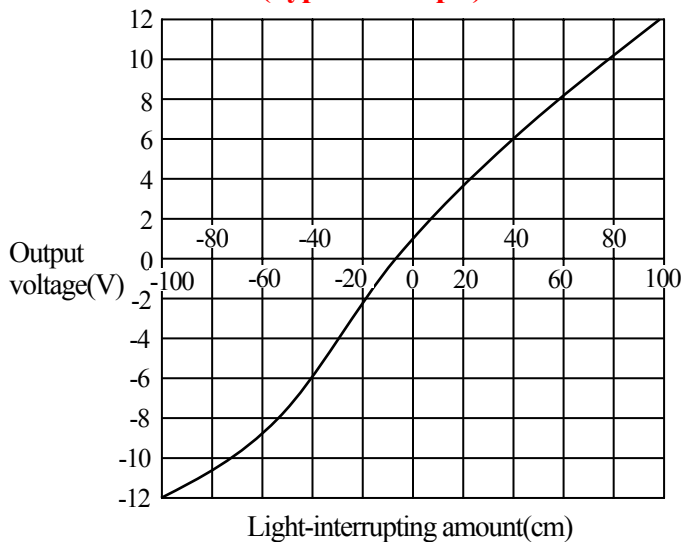
Detectable loop	Loop(Opaque sheet with width of 100mm or more *)
Power source	100 to 110VAC/200 to 220VAC(+/- 10%, 50/60Hz)
Power consumption	PXE-20L : 30VA, PXE-40L : 50VA, PXA-11D : 20VA
Control output	Voltage output in proportion to light-reception amount
Output voltage	Proportional output : 0V(When whole light-interrupting) to +12V(When whole light-entering), +12V(When whole light-interrupting) to 0V(When whole light-entering) Changeover type
Output current	200mA
Response time	0.3sec.
Timer	0.3 to 7sec(Adjustable), Operation when rising-up or down is chosen by switch
Connection	M3 screw terminal
Ambient temperature	-10 to +55 degrees C (but 0 to 40 degrees C for projector)
Insulation resistance	100M ohm or more (Between power/output contact and case by 500V megger)
Ambient humidity	45 to 85%RH (Not frozen)
Withstand voltage	1,500VAC/min. (Between power/output contact and case)
Vibration resistance	5 to 33Hz Double amplitude 1.5mm Each 2 hour in X, Y and Z directions
Impact resistance	98m/s ² Each 10 time in X, Y and Z directions
Case	Steel plate(SPCC)
Weight	Amplifier : Approx. 3.5kg

* In case of 2 pcs of projector in serial, 200mm or more.

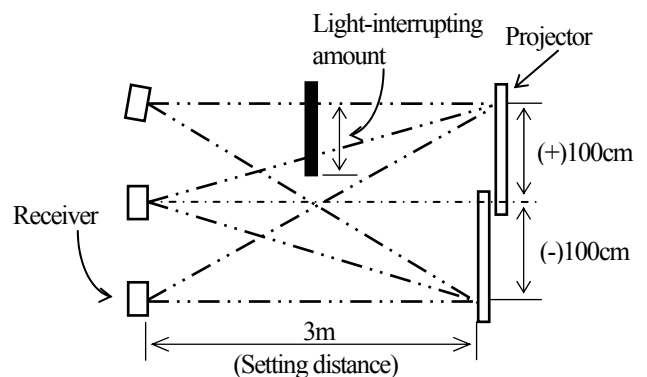
Setting example



Characteristics data(Typical example)

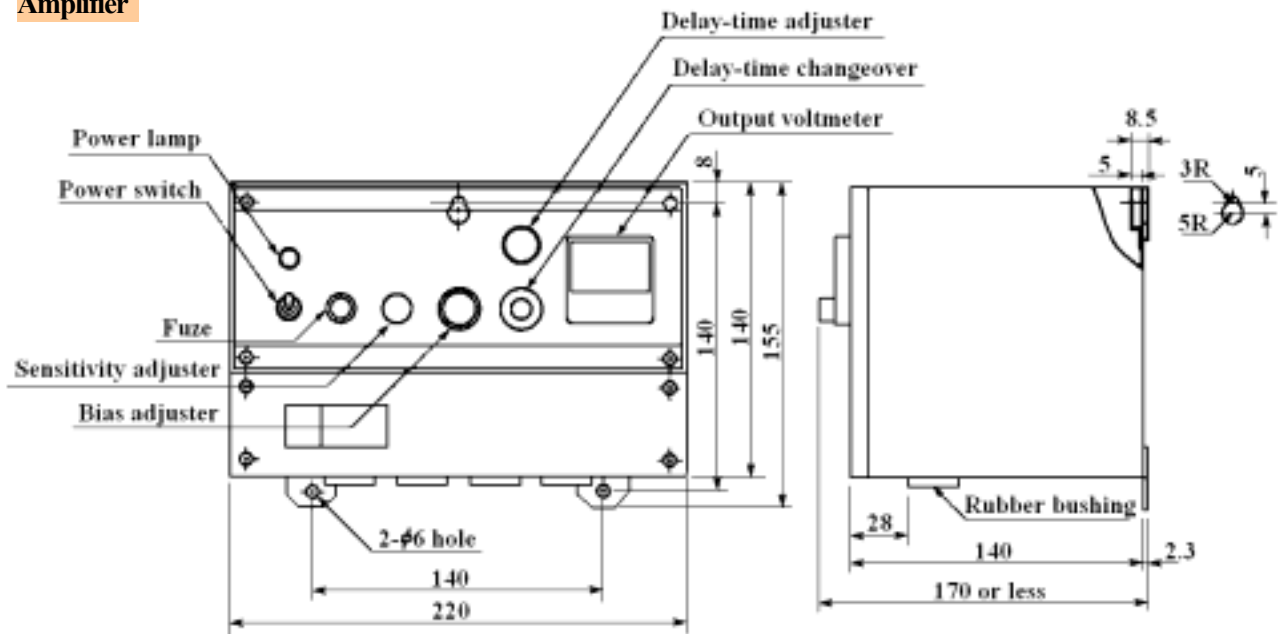


Projector : PXE-40L 2 pcs
 Receiver : LP-1D-L 3 pcs
 Amplifier : PXA-11D 1 pce

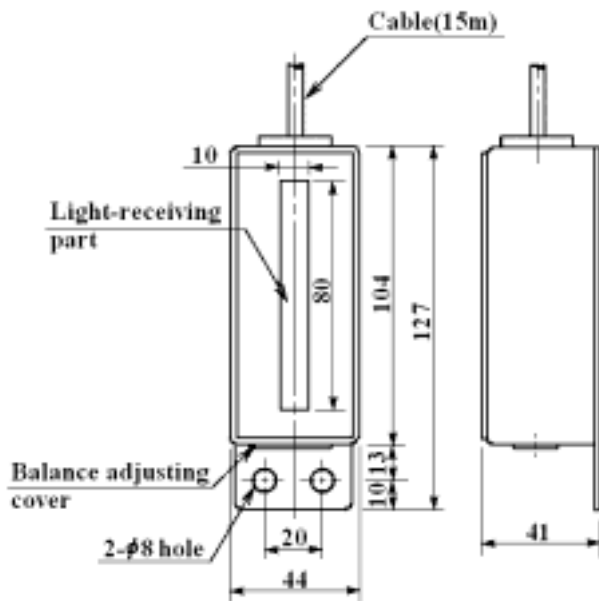


External dimension

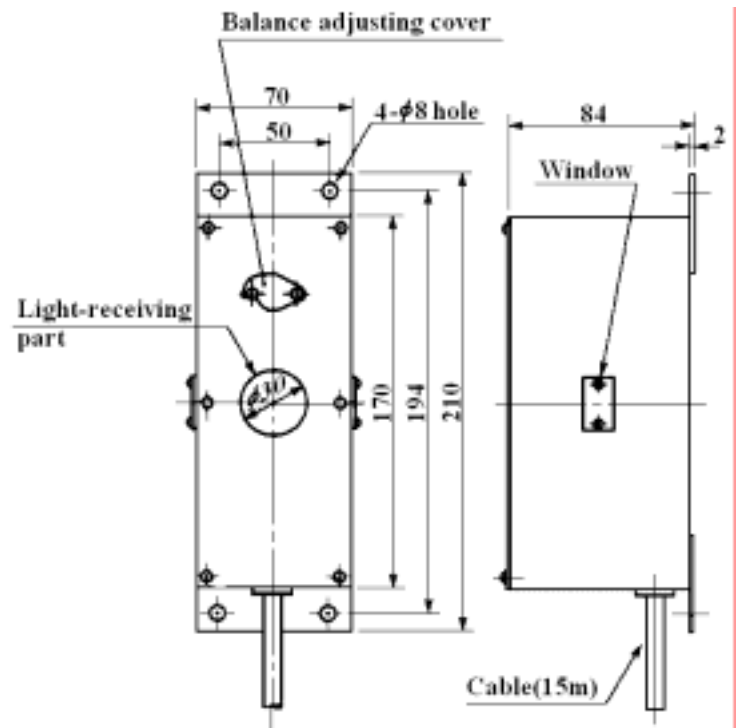
Amplifier



Receiver(LP-1D-A)



Receiver(LP-1D-W/LP-1D-L)



Projector(PXE-20L)

Projector(PXE-40L)

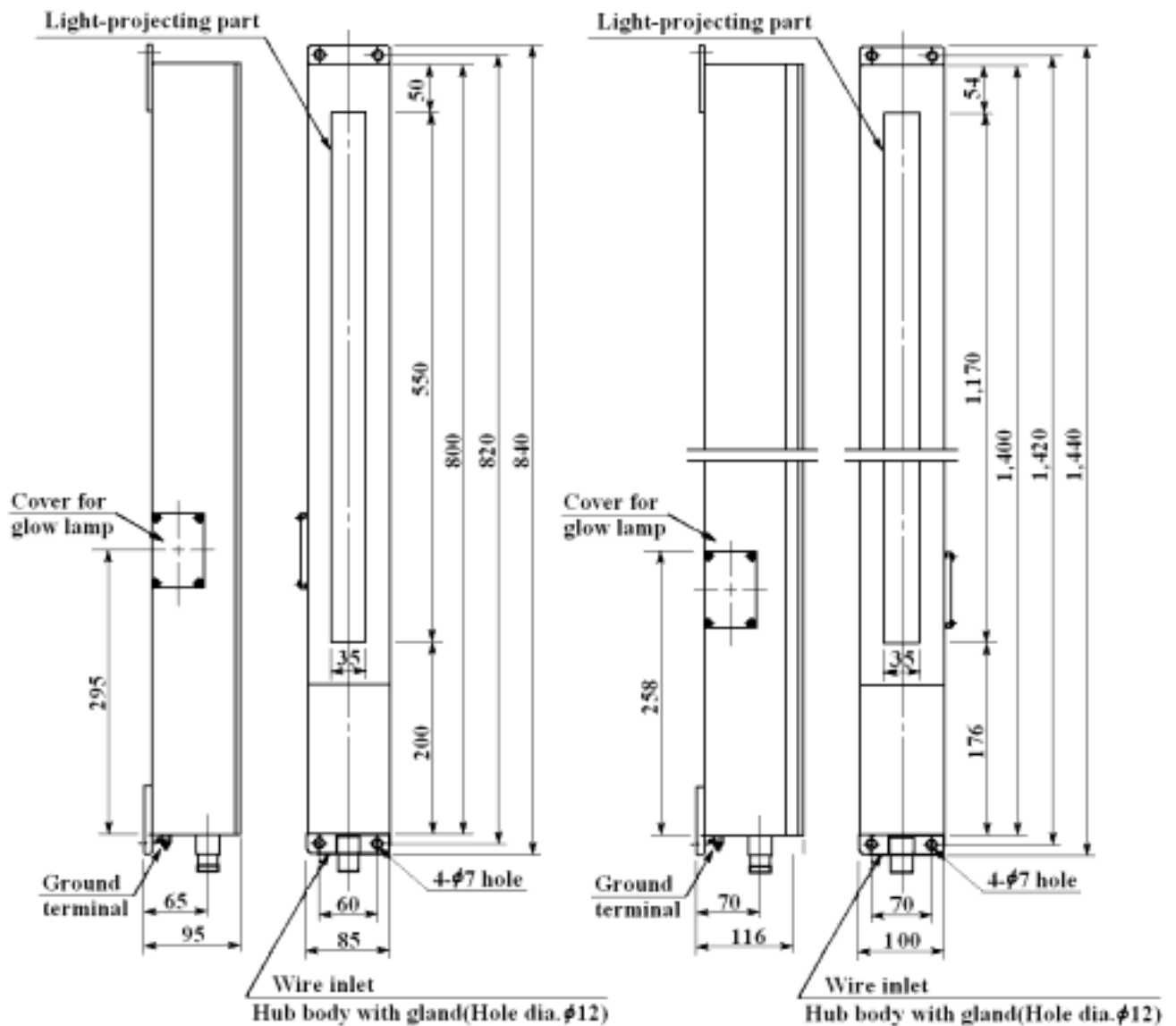


PHOTO SENSOR, LASER SENSOR, MICROWAVE SENSOR, COUNTER, AUTOMATIC DOOR



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