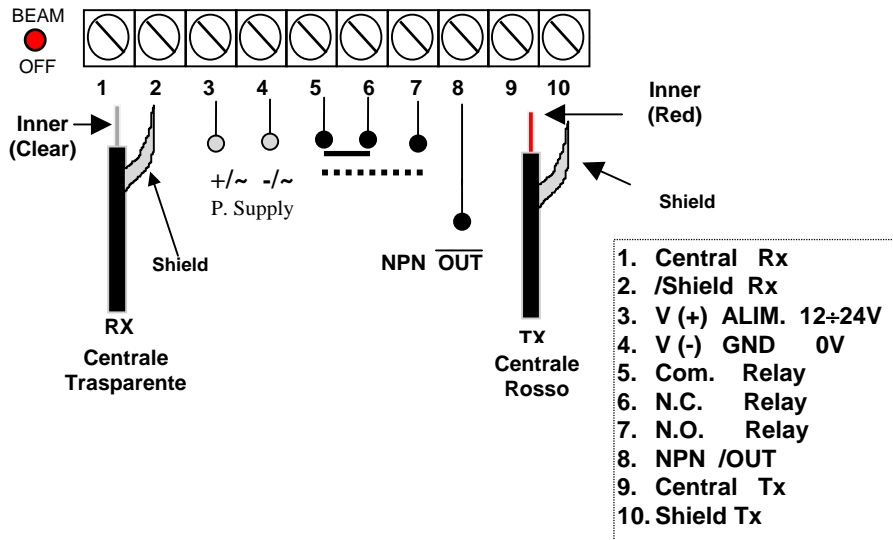


1. General description IRA501

The **IRA501** photocell amplifier can be able to drive 1 active infrared beam .
By some accessories ,it is useful for different applications . On board electronics , been frequency synchronized has a good noise and electro-optical disturbances rejection



2. Wiring to IRA501



3. IRA-501 - Technical features

Supply voltage with jumper : 12 Volt (12÷20) Vcc-ca

Supply current : 50 mA (NPN NO load)

Temperatura Funzionamento : (-15/+60)° C Ambiente

Uscita contatto (portata) : 24Vdc - 0.5A Max

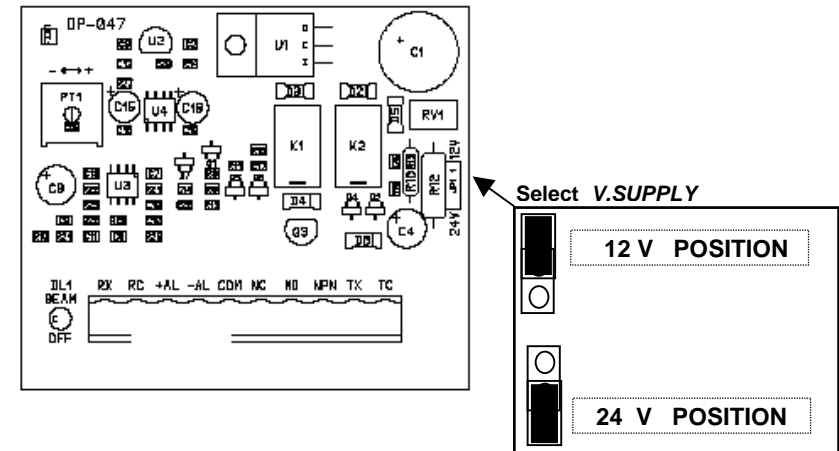
Output NPN : Active Low 30 mA MAX (protected)

Range : (0,5 ÷ 8) Meters

Optical ray : ± 9° @ 900 nm. Modulated Infrared at 4 KHz

Approvals : 89/336/ CEE

4. IRA-501 - Jumper Setting



Ordering codes

Description

IRA 501 Amplifier only

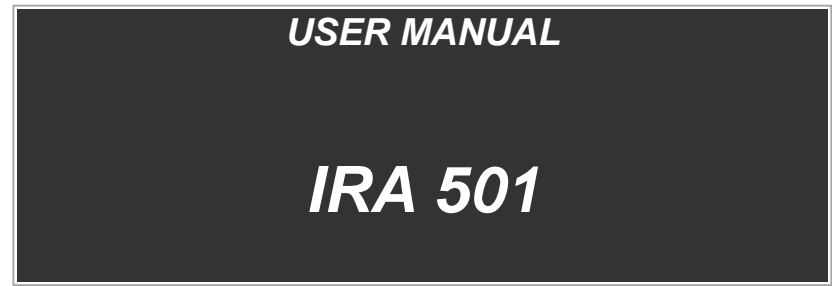
IRS 101 Sensor only with 11 mm. mount. hole

IRS 103 Sensor only with 13 mm. mount. hole

IRK 505 KIT → IRA 501 + IRS 101 (11 millimeters)

IRK 511 KIT → IRA 501 + IRS 103 (13 millimeters)

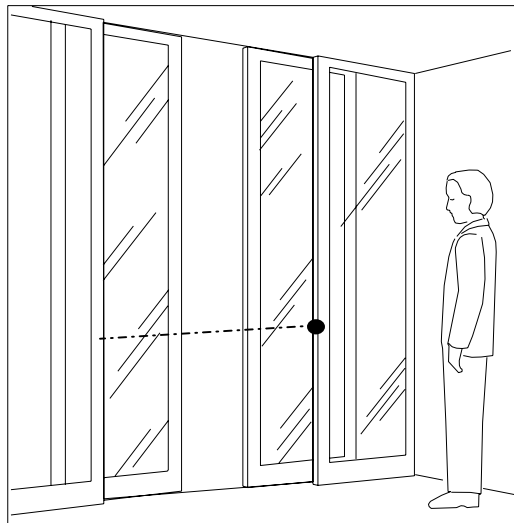
N.B.: 1 sensor contain 1 receiver and 1 transmitter cable (**full beam**)



ONE BEAM PHOTOCCELL with Relays/NPN OUTPUTS 12÷24 V.Supply

APPLICATIONS

- Obstacle detection
- Access protection



Typical application

(WARNING THIS DEVICE IS PRESETTED AS FOLLOW)

V.Supply :

12V

24V



Progettazione e produzione elettronica

OPTEA s.r.l.

Via Vinca , 7
40016 S.Giorgio di Piano (BO) - ITALY

Tel. +39 (0)51 665 00 71 Fax +39 (0)51 665 00 28