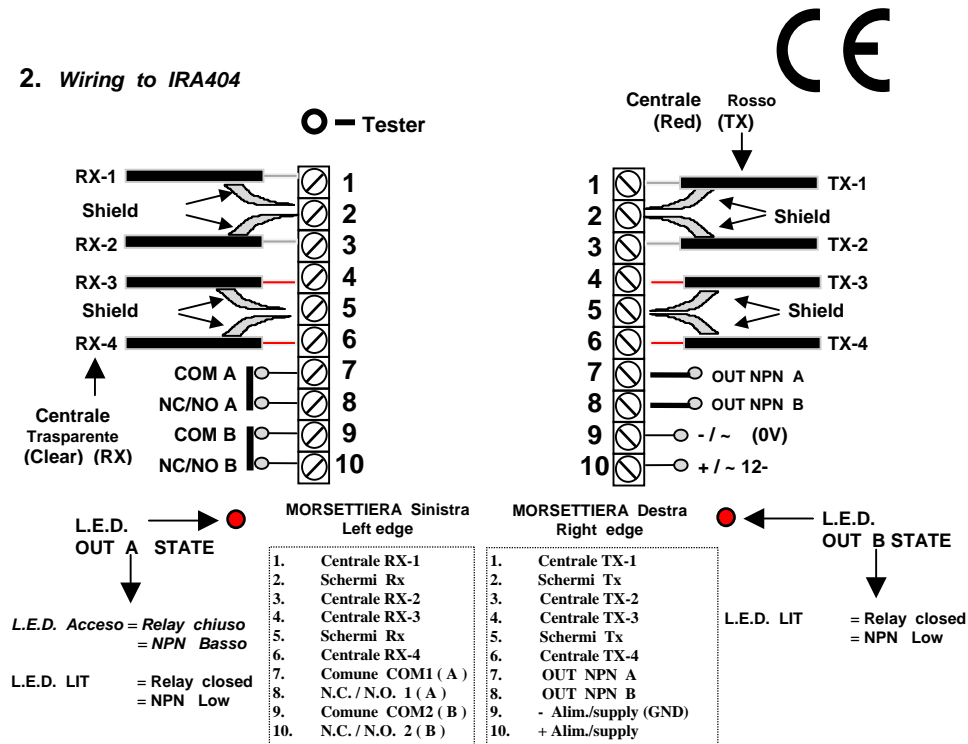


## 1. General description IRA-404

The **IRA404** photocell amplifier can be able to drive 4 active infrared beams (4 transmitters and 4 receivers). This amplifier has 2 separated outputs by Relay or NPN transistor. Beams 1 to 4 are equipped with a trimmer in order to use the amplifier as safety rubber edge infra-red detector. Every beam is synchronized and independent from each other, and can be directed to one of the 2 outputs **A** or **B** by a jumper selection. Relays outputs can be **N.C.** or **N.O.**, as well the **NPN** outputs can be normally **low** or **high**. By shielding the preamplifier section, this photocell can handle d.c. motors without any problems due to emi.

## 2. Wiring to IRA404



## Technical features

**Supply voltage** : 12 Volt RANGE (11+20) Vcc-ca

**Supply voltage** : 24 Volt RANGE (18+28) Vcc-ca

**Supply current** : 80mA (4 Beams) @ 24 Vdc

**Operating Temperature** : (-15/+60)° C Ambient

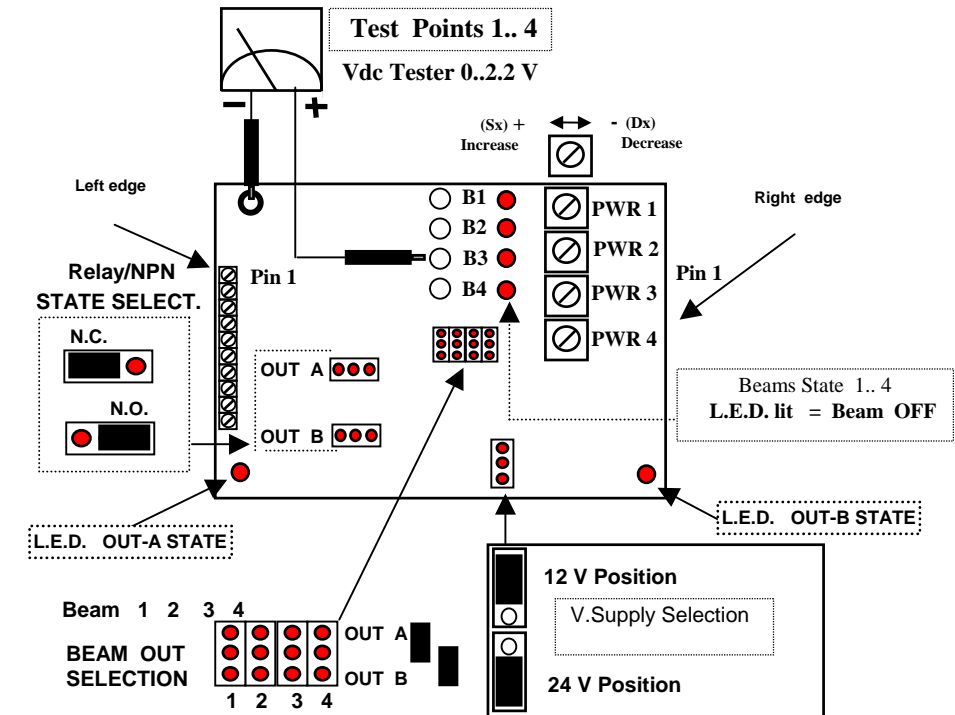
**Output contacts load** : 24Vcc - 0.5A Max

**NPN Output load** : 30 Ma Max – Current limited

**Optical ray** : 900 nm. Modulated Infrared at 1 KHz

**Approvals** : 89/336/ CEE

## 4. IRA-404 - Amplifier Setting



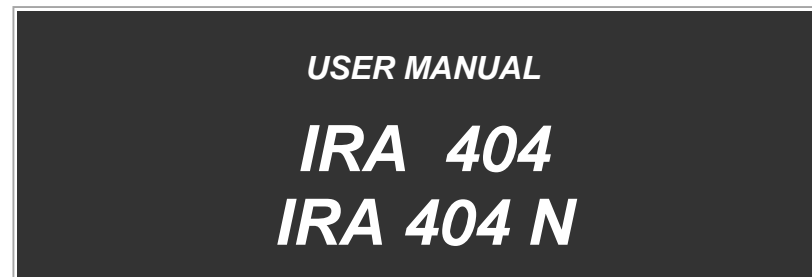
*Ordering codes*

*Description*

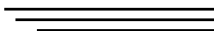
<b>IRA 404</b>	<b>4 Beams</b> Amplifier with <b>2</b> Output RELAYS / NPN
<b>IRA 404 N</b>	<b>4 Beams</b> Amplifier with <b>ONLY</b> NPN OUTPUTs
<b>IRS 101</b>	<b>11 mm.</b> Sensor with 8 Meters cable (Tx + Rx)
<b>IRS 103</b>	<b>13 mm.</b> Sensor with 5 Meters cable (Tx + Rx)



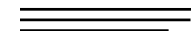
**Typical application**



SYNCRONIZED PHOTOCCELL 1+4 BEAMS with 2 RELAY/NPN OUTPUTS



**APPLICATIONS**



- Anti-robbery compass door
- Access protection



Progettazione e produzione elettronica  
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