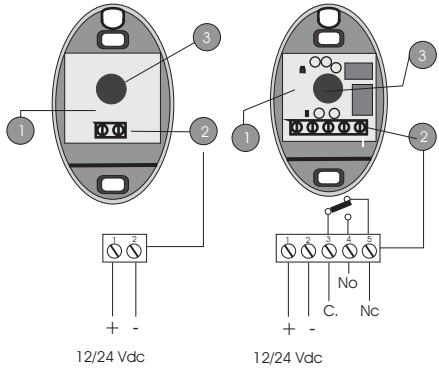


# ILBINO



1. Printed circuit board
2. Connection terminals
3. Sensor

Fig. 1

Range	m	25-30*
Power supply	V/dc	12/24 ±10%
Rx Consumption	mA	30
Tx Consumption	mA	25
Max. Current relay contacts	A	0,5
Max. Voltage relay contacts	Vac/dc	24
Working temperature	°C	-10+70

\* Range depends strictly on outdoor environmental conditions. Range may be reduced even up to 70% in the presence of fog, dust or rain.

## CHARACTERISTICS

The ILBINO consists of an emitter and a detector with relay outputs and its operation is based on infrared technology using a gallium arsenide diode.

The barrier is made by the emission of a modulated infrared beam with a frequency above 100 Hz, and detection of the same by a special infrared-sensitive photo element.

Interruption of the beam causes a change of the relay contacts inside the detector.

## OPTICAL ALIGNMENT

Minimal optical alignment is required provided that the emitter and detector are positioned on the same visual axis.

Small differences are compensated by a wide-range lens system.

**NOTE:** For longest range, use a nylon line, point to point, will allow best alignment, using a set square to ensure that the units are on the same axis.

## INSTALLATION

After positioning the emitter and the detector on the same visual axis, attach the internal housing by tightening the two screws in the relative holes.

Carry out the electrical connections on the terminals (Fig.1 detail 2), bearing in mind that the relay activation in the detector refers to a powered and aligned detector.

For trouble-free operation of the device, avoid installing the detector near spotlights, triac or similar electronic controlled devices.

## FINAL RECOMMENDATIONS

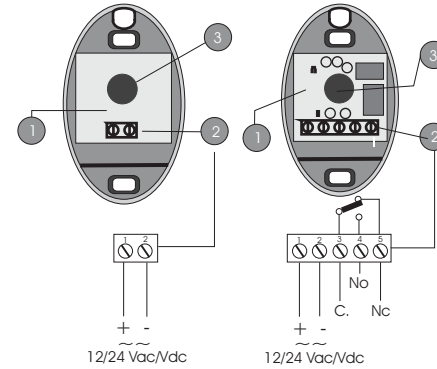
Disconnect from the power supply before carrying out wiring or making any changes to connections.

**\*\* Failure to comply with the above instructions may cause incorrect operation of the equipment. The supplier cannot be held responsible for any malfunctioning and/or damage or injury caused by non-compliance\*\*.**

The manufacturer reserves the right to make any changes deemed necessary for the aesthetic and/or functional improvements of the product without prior notice.

M000065

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