

# EXTERNAL PHOTOELECTRIC CELL IR/IT 2135

Modulated infrared barrier in conformity with NI 8612 .

Operating with opposed transmitter and receiver. Double safety relays (one energised and one not energised).

## Technical data:

- Range " nominal "	: 8 meters
- Range " max. " .	: 14 meters
- Power supply	: 12-24V AC-DC
- Consumption pair ( IT + IR )	: 2 W
- Working temperature	: -10 55 °C
- Box	: polycarbonate
- Protection degree	: IP 54
- Dimensions	: see fig. 1

## IT 2135 Transmitter:

- Modulation frequency	: 1000Hz
- Infrared wave length	: 950nm

## IR 2135 Receiver:

- Relais contacts	: 1A max a 30 VDC
- Output contact normally open	: NA
- Output contact normally closed	: NC
- Red Led that is on when the photocells are aligned.	

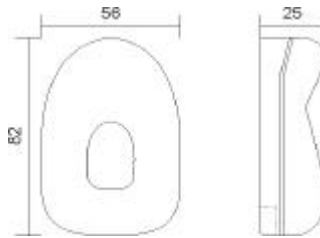


Fig. 1

## Terminal board connections: (fig. 2)

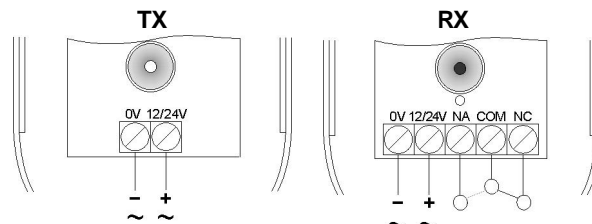


Fig. 2

## Installation:

- Open the photocell box and connect the cables to the terminal board following the scheme (fig. 2).
- When the transmitter is aligned with the receiver (the receiver is equipped with a red internal pilot lamp that is on when both photocells are aligned) fix the back side of the box to the wall through the three A slots (fig. 3).
- Fix the cover of the box through the B tongues and the C screws (fig. 3).

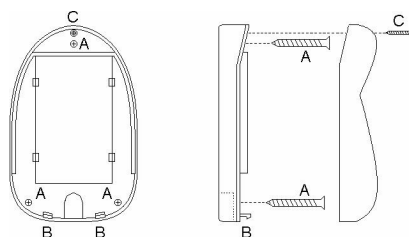


Fig. 3