

FTC 960MN

INFRARED BARRIER



PACKAGING:

The package includes n°1 Transmitter in a metal housing and n°1 Receiver in a metal housing.

DESCRIPTION:

The infrared barrier is made up by a projector and a receiver which are stored in a sealing aluminium enclosure. The lens is horizontally adjustable to 90°. IP55 protection.

APPLICATIONS:

The infrared barrier system is suitable for the protection of automatic opening systems. It can be used for security or as an opening consensus device. Thanks to its sturdy enclosure, it is ideal for industrial use.

MODELS:

FTC 960 MN max range 60 m for indoor installations 40 m for outdoor installations; min.distance installation 6 m.
Minimum installation height from the ground: 0.8 m

TECHNICAL DATA:

Emission:	infrared with GA AS diode
Wavelength :	950 nM
Continuous modulation:	1.33 KHz
Power supply:	12V dc ; 24 V ac/dc (depending on jumper insertion)
Operating temperature:	-10°C +55°C
Contact:	NO and NC with double relay in series
Max relay contact power:	1A to 24VAC (resistive load)
Led transmitter:	Power signal
Led receiver:	Signal for alignment with transmitter
Horizontal adjustment:	Through a rotation support with screw block

Absorptions: Tx at 12 V dc: 114 mA. At 24 V dc: 110 mA. At 24 V ac: 105 mA at 50-60 Hz
Rx at 12V dc: 23 mA. At 24 V dc: 33 mA. At 24 V ac: 45 mA at 50-60 Hz

INSTALLATION:

The transmitter and the receiver must be attached on to the same geometric axis at the same height from the ground. When installing multiple units, keep in mind that the two receivers positioned on the same side can receive the beam from the same transmitter, mounted on the opposite side. To avoid this from happening, it is important to find the proper distance between the transmitters and receivers, while remembering that the infrared beam has an opening of 15° at 1 meter.

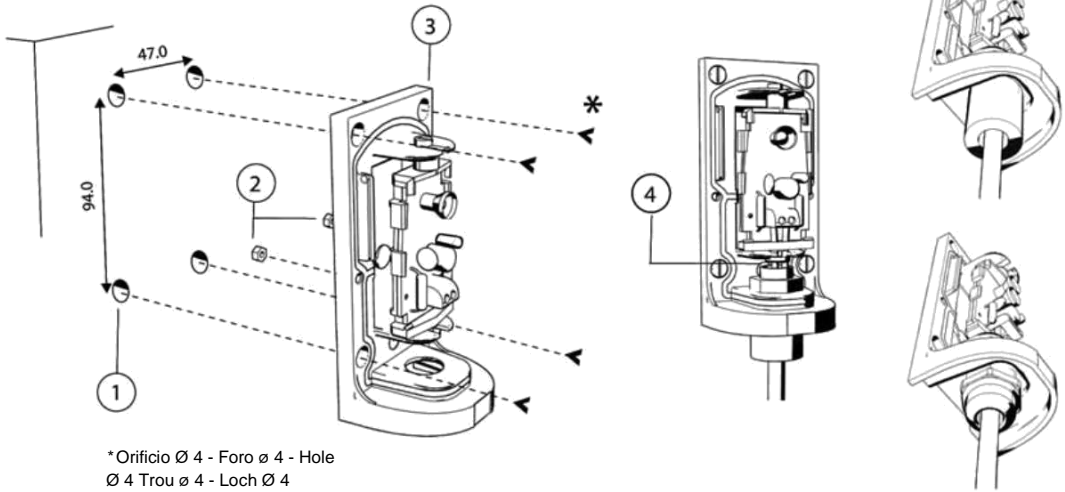
INSTALLATION PROCEDURE:

- the infrared barrier can be installed on any type of level structure and flat surface
- after separating the cover from the support base and removing the electronic circuit to avoid damaging it, attach the base to the wall
- run the cables through using the special holes being sure to insert the cable glands for a proper hold
- proceed with making the connections as shown in the attached figure
- turn on the projector and the receiver and centre them; their alignment will be confirmed when the led on the receiver turns on
- attach the cover onto the base, being sure that the hexagon socket head screws are firmly fixed so that the seals around are perimeter are under pressure.

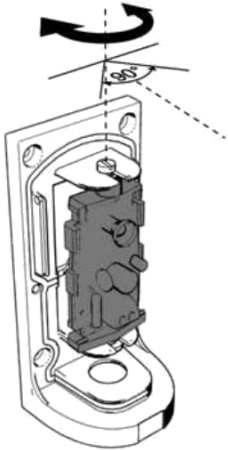
This equipment must be used and installed in full compliance with the manufacturer's instructions and current safety standards. The manufacturer cannot be held liable for eventual damages that may result from improper or unreasonable use.

The Manufacturer declares that the product is in conformity with EN12453 - EN 954-1

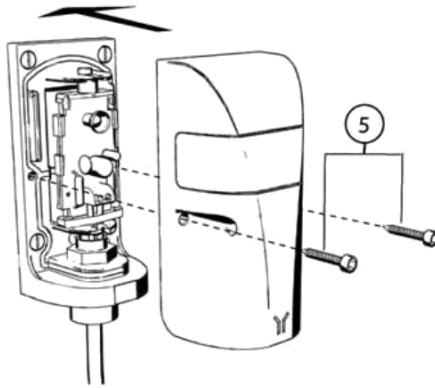
1 Montaje - Montaggio - Installation
Montage - Montage



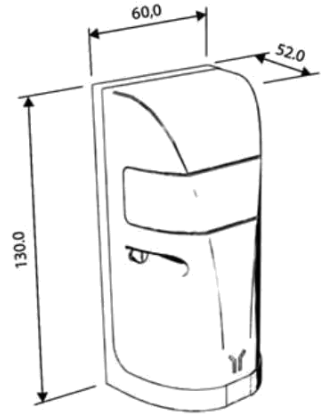
2 Orientación - Orientamento
Orientation - Orientazione
Orientierung



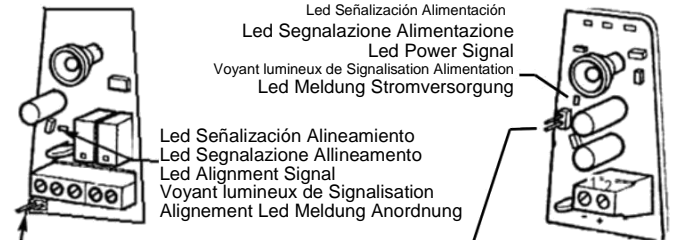
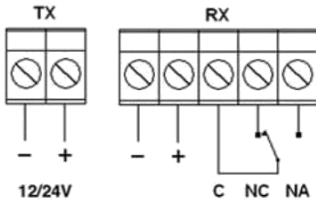
3 Cierre Contenedor - Chiusura contenitore
Closing the enclosure - Fermeture
boitierBehälterverschluss



4 Dimensiones externas
Dimensioni d'ingombro
Dimensions
Dimensions d'encombrement
Abmessungen



5 Conexiones - Connessioni
Connections - Connexions
Anschlüsse



J1= insertado 12V no insertado 24V
 J1= inserito 12V non inserito 24V
 J1= inserted 12V not inserted 24V
 J1= activé 12V désactivé 24V

J1= eingesetzt 12V nicht eingesetzt 24V