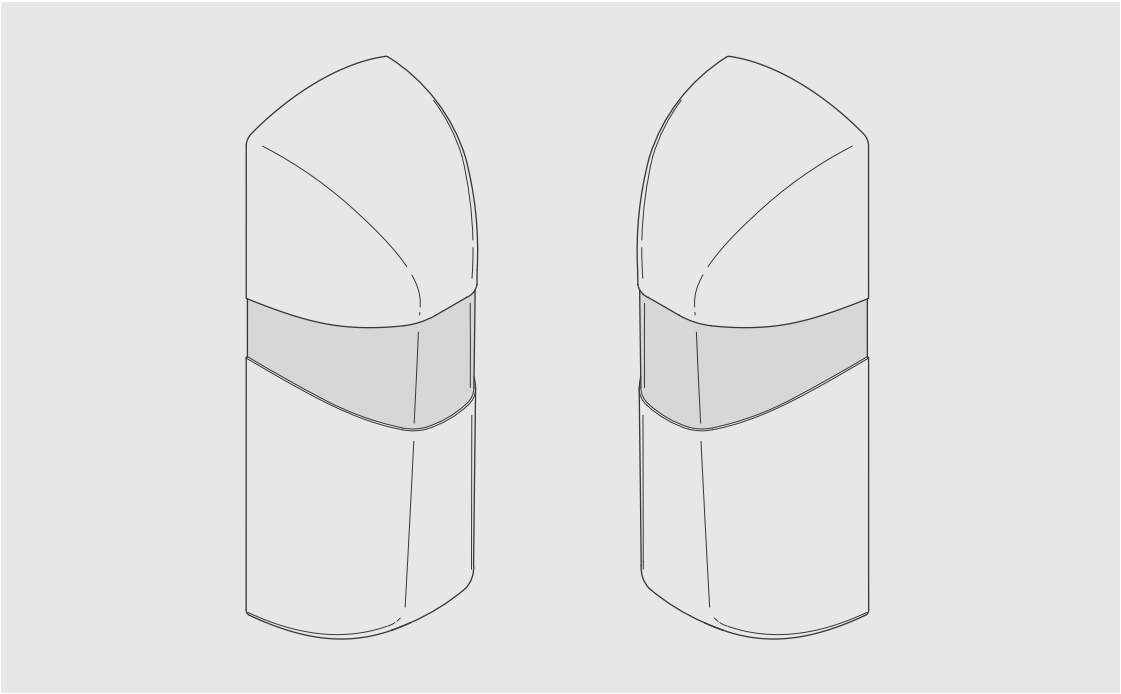
07/2020 rev 1

PUPILLA
PUPILLA.T

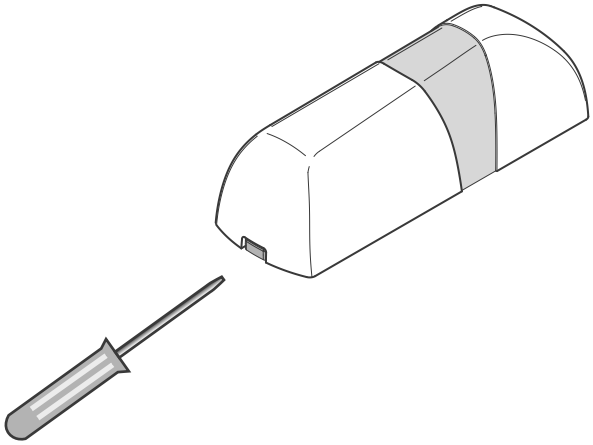


BENINCÀ®
TECHNOLOGY TO OPEN

CE

UNIONE NAZIONALE COSTRUTTORI
AUTOMATISMI PER CANCELLI, PORTE
SERRANDE ED AFFINI
UNAC

1



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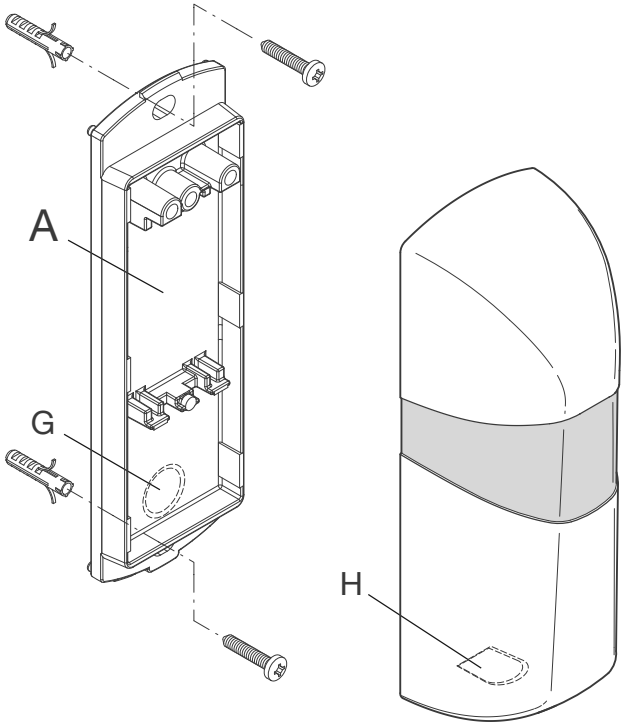

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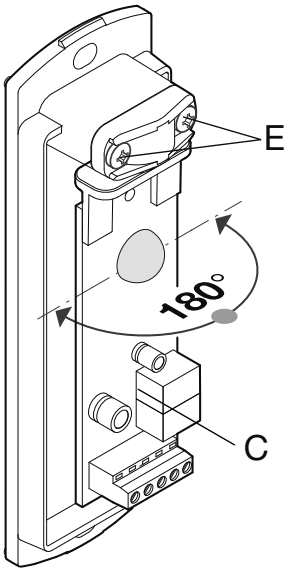
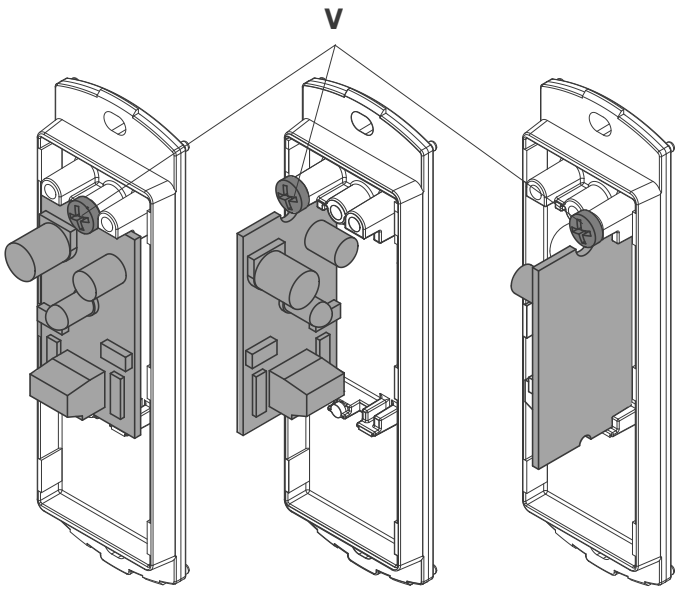


PUPILLA

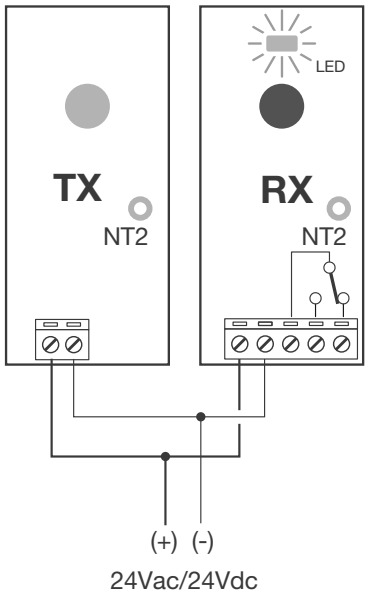
4



A **B** **C**

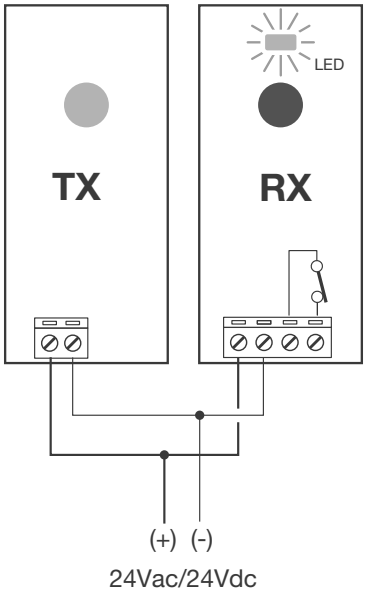
PUPILLA.T

5



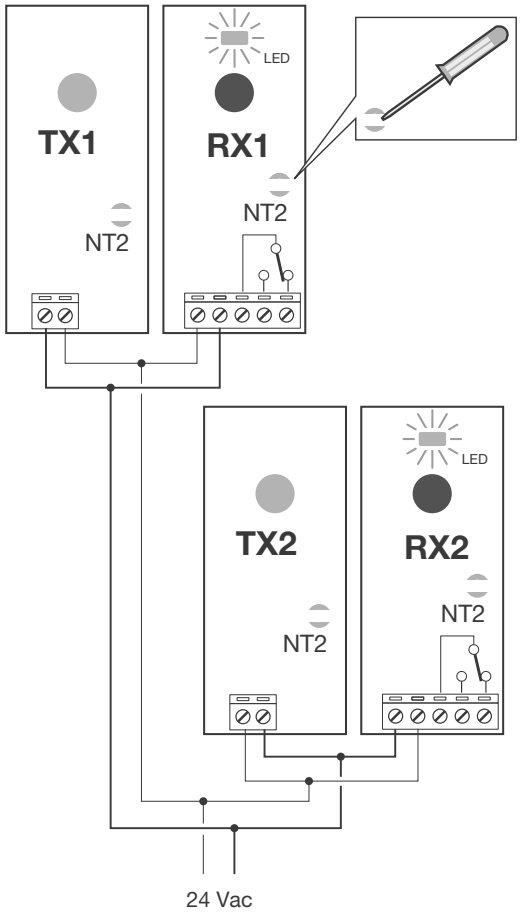
PUPILLA

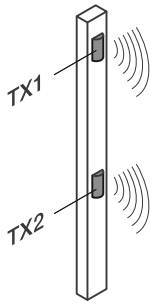
6

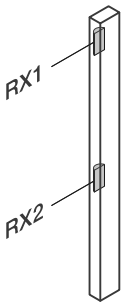


PUPILLA.T

7

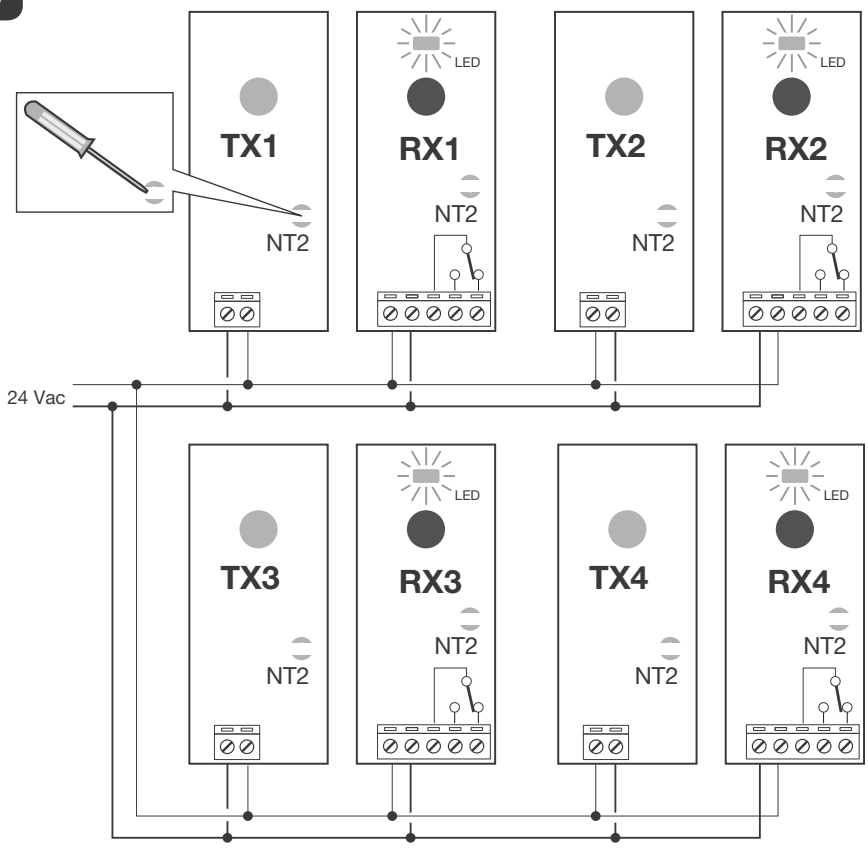


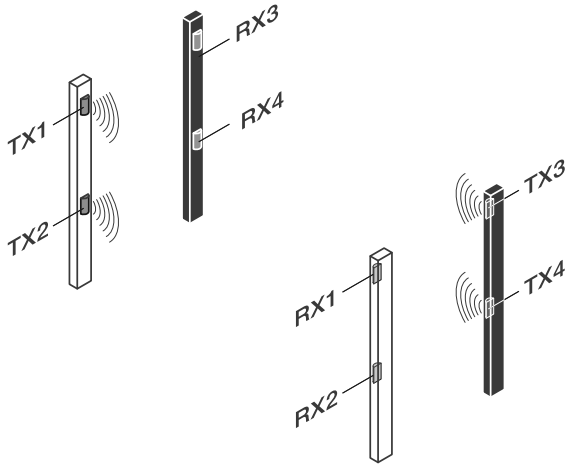




PUPILLA

8


TX1
RX1
TX2
RX2
TX3
RX3
TX4
RX4
LED
NT2
24 Vac


TX1
TX2
RX3
RX4
RX1
RX2
TX3
TX4

PUPILLA

PUPILLA/PUPILLA.T

DESCRIPTION

Pair of photocells for wall installation with 24 Vac/dc power supply.
The **PUPILLA** version can be orientated 180° and allows synchronisation of up to 4 pairs.
The **PUPILLA.T** version avails of an internal card orientated over three positions: front, right and left, PUPILLA.T does not allow synchronisation.

INSTALLATION

Photocell opening

Use a screwdriver for leverage on the lower central part as indicated in Fig.1.

Photocell base fastening (Fig.2)

Fasten the base of photocell A using the screws and plugs suitable for the type of fastening surface.
There are two steps for connection cable passage: one on the base (G) and one on the cover (H)

Centring adjustment (PUPILLA only)

Adjustment of photocell centring is carried out by loosening the screws E (Fig. 3).
The card can rotate 180°.

Card fastening (PUPILLA.T only)

You can insert the card of the receiver/transmitter on three different positions (Fig.4):
Front (A) - Right (B) - Left (B)
Having chosen the suitable position, fasten the card with screw V

PUPILLA connection (Fig.5)

TX M1: 24Vac (+24Vdc)
M2: 24Vac (-24Vdc)
RX M1: 24Vac (+24Vdc)
M2: 24Vac (-24Vdc)
M3: Common, COM.
M4: Normally open contact, N.O.
M5: Normally closed contact, N.C.*
*With photocell powered and aligned.

PUPILLA.T connection (Fig.6)

TX M1: 24Vac (+24Vdc)
M2: 24Vac (-24Vdc)
RX M1: 24Vac (+24Vdc)
M2: 24Vac (-24Vdc)
M3: Common, COM.
M4: Normally closed contact, N.C.*
*With photocell powered and aligned.

Alignment check

Once the photocells are powered, the LED flashing on the RX receiver indicates the reception level:
Slow flashing LED: weak reception
Fast flashing LED: good reception
LED on: excellent reception.
If reception is not excellent, correct orientation of the photocells.

Synchronism (PUPILLA only)

To avoid interference in the event of use of the two pairs of close photocells, activate synchronism by removing the metal gear NT2, highlighted in Figure 5, with a screwdriver or drill bit.
Synchronism works exclusively with 22÷30 Vac power supply with polarity inverted between the two pairs as indicated in Fig. 7/8.

IMPORTANT: To prevent infiltration of humidity and condensate phenomena, seal with utmost care, using a silicone product. Seal both the cable in the duct and the fastening base at the entrance hole of the duct.

TECHNICAL DATA	PUPILLA	PUPILLA.T
Power supply	22÷30 Vac - 20÷28Vdc 50/60 Hz	14÷30 Vac - 12÷30 Vdc 50/60 Hz
Capacity	20-25 m	
Working temperature	-20°C / +70°C	
Absorption*	TX: 40 mA (Vdc) - 75 mA (Vac) RX: 20 mA (Vdc) - 40 mA (Vac)	TX: 20 mA (Vdc) - 40 mA (Vac) RX: 20 mA (Vdc) - 40 mA (Vac)
Protection rating	IP44	
Size	110x35x35 (mm)	

** With photocell powered, aligned and Phototest logic OFF.*