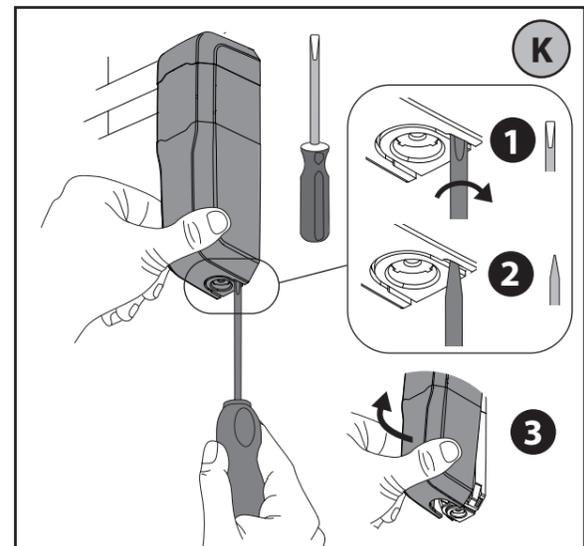
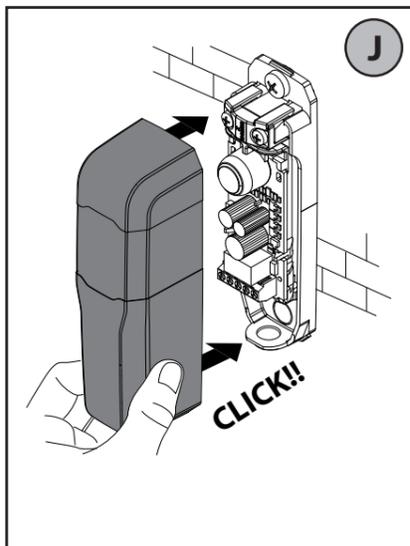
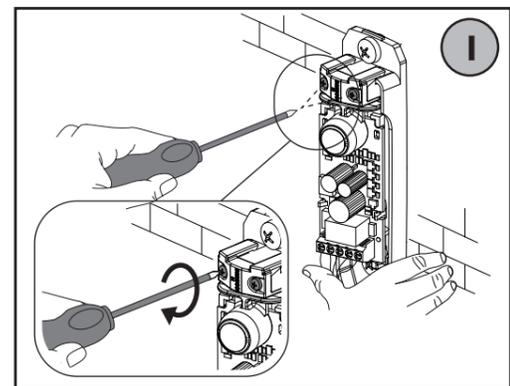
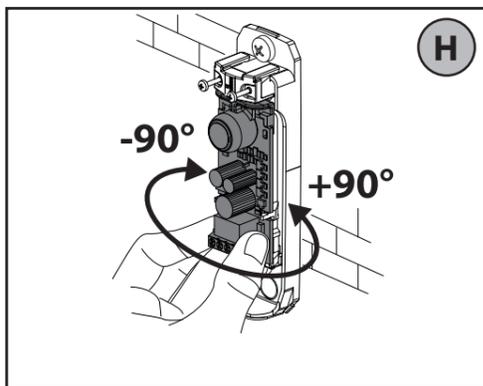
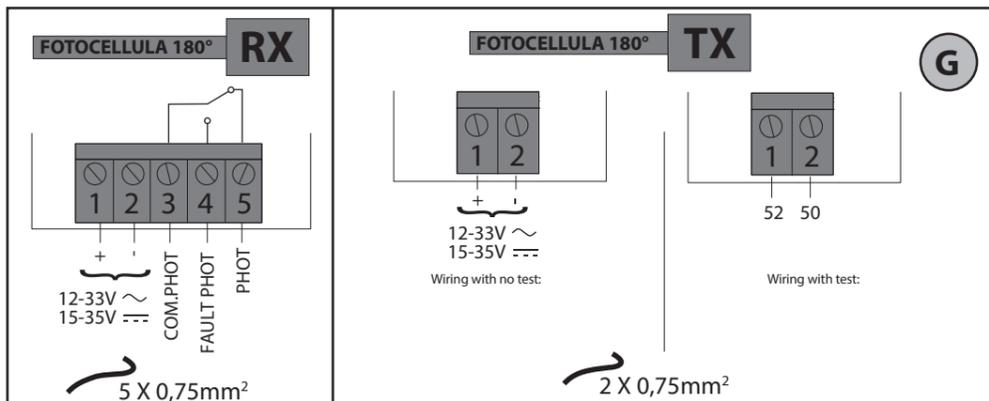
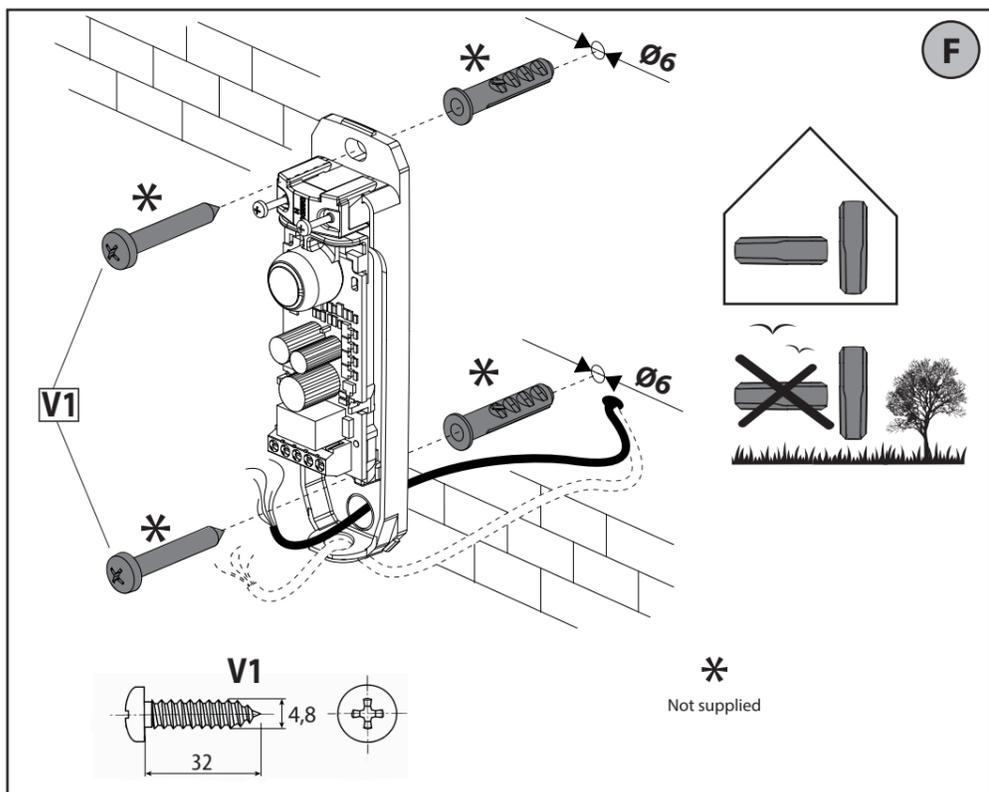
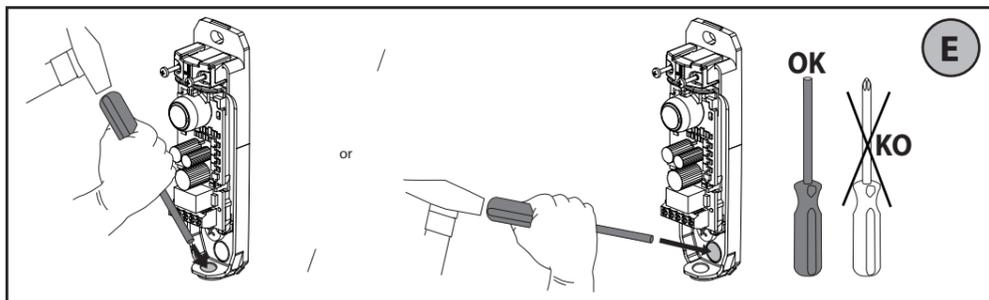
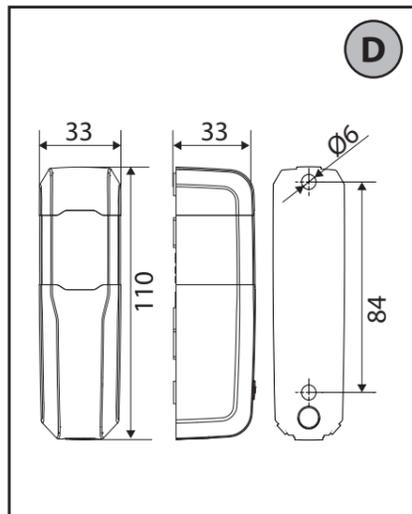
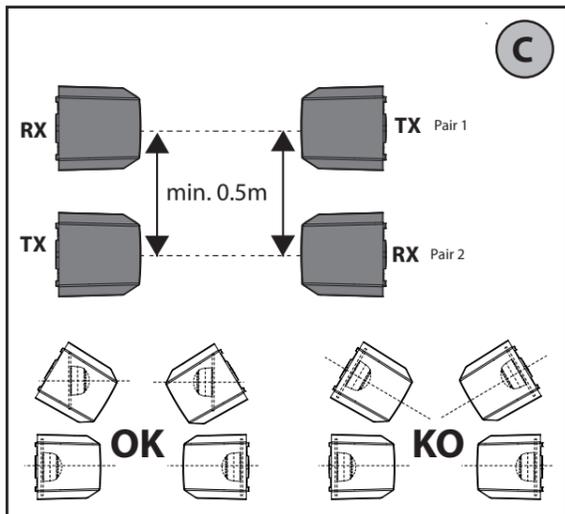
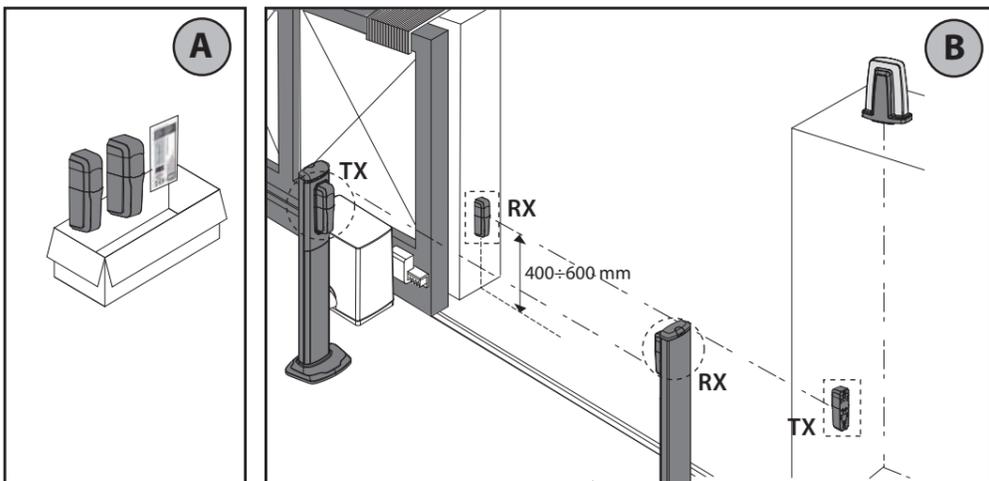


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INSTALLATION MANUAL ENGLISH

**1) GENERAL INFORMATION**  
 COMPACTA A20-180 - photocell for external application, comprising a transmitter-receiver pair.

**2) SPECIFICATIONS**

COMPACTA A20-180	
Supply voltage	12-33V ~ 50/60Hz 15-35V DC
COMPACTA A20-180	TX: 20mA
Current demand	RX: standby 12mA / max. 30mA
Contact capacity	30V, 1A
Protection rating	IP44
Operating temperature range	-20/+55°C
Portata Utile	20 m (Reduced in fog and rain)

**3) KIT COMPOSITION AND INSTALLATION. FIG. A-J**  
**4) OPENING. FIG. K**  
**5) CHECKING OPERATION** ⚠  
 Once inspection is complete, perform a few test cycles and check that the automated system reacts as it should when the beam is broken by placing an obstacle in the way.

OPERATING AND INSTALLATION INSTRUCTIONS

Thank you for choosing this product. The Firm is confident that its performance will meet your operating needs. Carefully read the "Instruction booklet" that comes with this product as it provides important information regarding safety, installation, use and maintenance.

This product meets recognized technical standards and complies with safety provisions. We hereby confirm that it is in conformity with the following European directives: 2014/35/EEC, 2014/30/EEC. This is a type D device in accordance with EN 12453 and it will only be in conformity with directive 2006/42/EEC provided it is connected to a control panel from the same manufacturer equipped with a test circuit that looks for faults in the safety circuits.

**WARNING:**

- when carrying out connection and installation operations always refer to the current legislation in force, as well as technical principles.
- making changes to the device or to the unit's configuration without consulting the manufacturer may result in hazardous situations.
- To connect the relay **contacts to the fault test circuit**, you must refer to the wiring diagrams of the tested devices given in the instruction manual for the control unit being used.
- if other devices using infrared beams (photocells) are present, they may cause interference.
- the operation in verified mode is possible only with control units from the same manufacturer, equipped with fault check circuit; in all other cases, a **half-yearly check** of the correct operation of the sensor is required.

**USING THE DEVICE**  
 Keep areas that lead to the safety device clear of obstacles. More specifically, make sure that no branches or shrubs break the beam emitted by the transmitter. If the safety device is triggered, no resetting or re-enabling is required since the gate's regular operation will be restored automatically.

**MAINTENANCE AND SCRAPPING**  
 When the device is connected to a control panel from the same manufacturer, provided with a fault-finding circuit in safety circuits, it requires no maintenance, since testing is carried out automatically with each manoeuvre (test intervals conforming to risk analysis or EN12453). In the case where the fault-finding circuit in safety circuits is not used, get qualified personnel to check the device function at intervals not longer than 6 months. The materials making up the appliance and its packing must be disposed of according to current regulations. In case of malfunction, request the assistance of qualified personnel. All adjustments, whether mechanical or electrical, must be carried out by authorized personnel only in accordance with the safety rules and instructions issued by the manufacturer. If excessive amounts of dirt build up on the surface of the photocell, clean the photocell lenses with a cloth.

**SCRAPPING** Materials must be disposed of in accordance with the regulations in force. Do not throw away your discarded equipment or used batteries with household waste. You are responsible for taking all your waste electrical and electronic equipment to a suitable recycling centre.

**WARNING!**  
 Correct operation is only ensured when the data contained in the present manual are observed. The company is not to be held responsible for any damage resulting from failure to observe the installation standards and the instructions contained in the present manual. The descriptions and illustrations contained in the present manual are not binding. The Company reserves the right to make any alterations deemed appropriate for the technical, manufacturing and commercial improvement of the product, while leaving the essential product features unchanged, at any time and without undertaking to update the present publication.

Caution! Read "Warnings" inside carefully!  
 The declaration of conformity can be viewed on this website: www.bft-automation.com in the "product section".  
 o shodje je k dispoziciji na internetovej stránke: www.bft-automation.com. Uygulama ve onaylanmis belgeleri internet adresinde www.bft-automation.com web sitesinde urunler bolumunde bakilabilir.