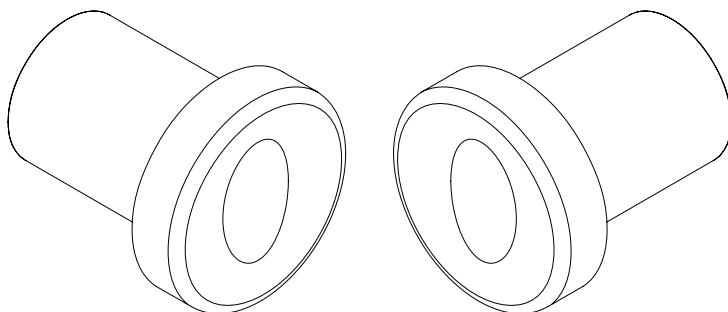


**GB** PHOTOCELL

## CELLULA 50

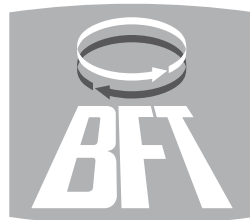


*INSTALLATION MANUAL*



**AZIENDA CON SISTEMA  
DI GESTIONE INTEGRATO  
CERTIFICATO DA DNV  
= UNI EN ISO 9001:2000 =  
UNI EN ISO 14001:1996**

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## INSTALLATION MANUAL

## ENGLISH

Thank you for buying this product, our company is sure that you will be more than satisfied with the product's performance. The product is supplied with a "Warnings" leaflet and an "Instruction booklet". These should both be read carefully as they provide important information about safety, installation, operation and maintenance. This product complies with the recognised technical standards and safety regulations. We declare that this product is in conformity with the following European Directives: 73/23/EEC-89/336/EEC (and subsequent amendments).

### 1) GENERAL OUTLINE (Fig. 1)

**Cellula 50** Mod recessed photocell to be fitted externally, consisting of a pair of transmitters and receivers having a double relay which is normally energised, as provided for by the relevant standards.

### 2) TECHNICAL SPECIFICATIONS

Power supply	:15 - 30 V~
Absorbed power	:6.85 VA
Max range	:30m (reduced in case of fog / rain)
Relay contacts	:1A at 24V~---
Working temperature	: -10°C to +70°C
Degree of protection	:IP54

### 3) PHOTOCCELL FITTING

The photocells should be installed between 40 and 60 cm in height, in the following ways:

- In the case of a masonry pillar, dig a hole where to insert the plastic container supplied, which is to be secured by concrete filling (fig. 1).
- In the case of an iron pillar, make a hole using a  $\varnothing$  60 cutter where to insert the plastic container supplied. To secure the container, make three  $\varnothing$  2.7 holes for fastening the three self-tapping screws supplied (fig. 2).
- If there is no pillar or wall for the photocells to be secured to, request the appropriate metal posts. The posts can be directly secured onto a concrete base by means of three screw anchors (fig. 3).

Perfect alignment to the wall is ensured by the adjustment slots provided in the base.

### 4) CONNECTION TO THE TERMINAL BOARD (Fig. 4)

Transmitter - Receiver

1-2 Power supply

3-4 Normally closed contact (When photocells are aligned the contact opens).

3-5 Normally open contact (When photocells are aligned the contact closes).

**Warning!** The installation must be carried out by qualified personnel.

### 5) PHOTOCCELL ALIGNMENT

Correct alignment between the receiver and the transmitter is achieved by adjusting the appropriate V (vertical) and O (horizontal) screws (fig. 5), until maximum luminosity of the internal L LED is obtained.

A voltmeter can also be fitted to the two P pins to indicate maximum voltage (3 V--- ) which corresponds to maximum alignment.

### 6) MAINTENANCE AND DEMOLITION

**The maintenance of the system should only be carried out by qualified personnel regularly.** The materials making up the set and its packing must be disposed of according to the regulations in force.

**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.**

Fig. 1

D811286\_03

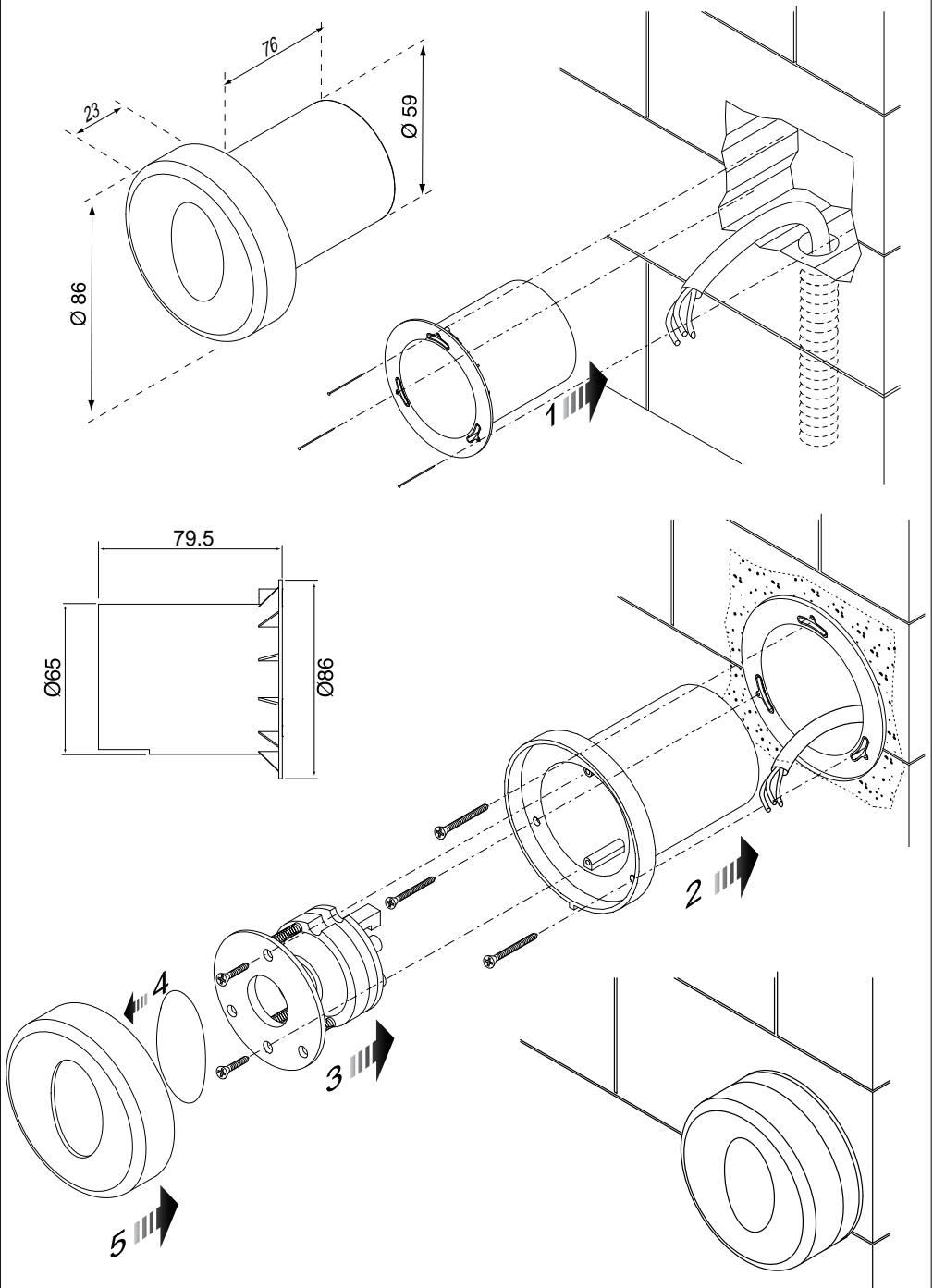


Fig. 2

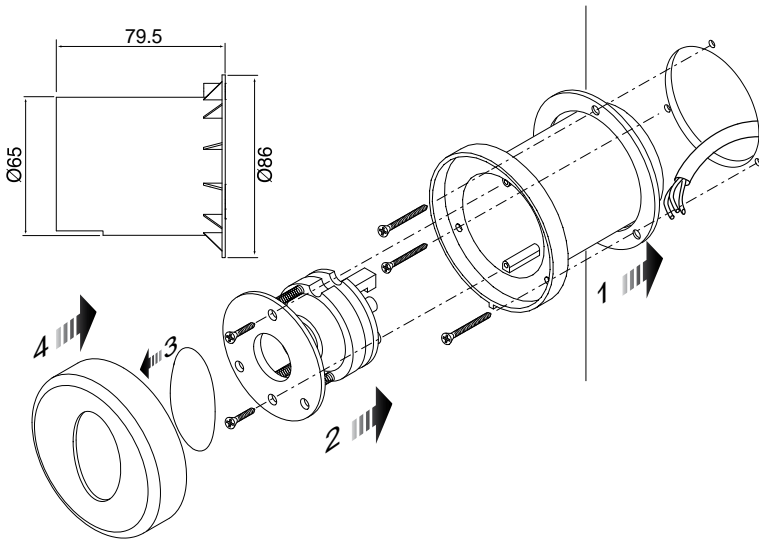
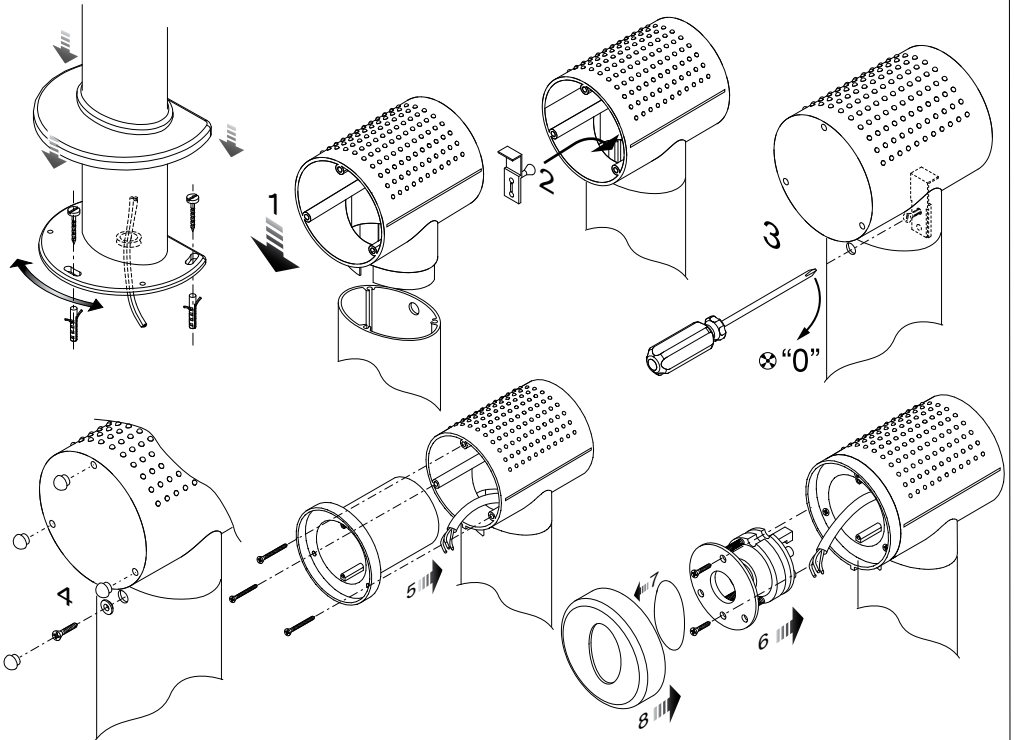
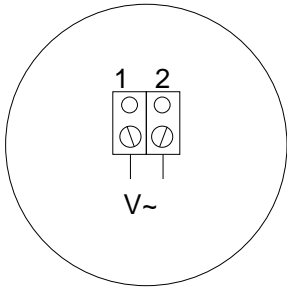


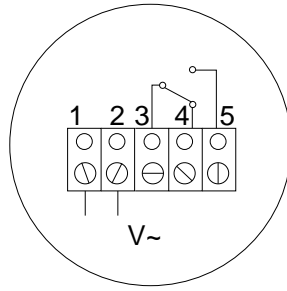
Fig. 3



**Fig. 4**

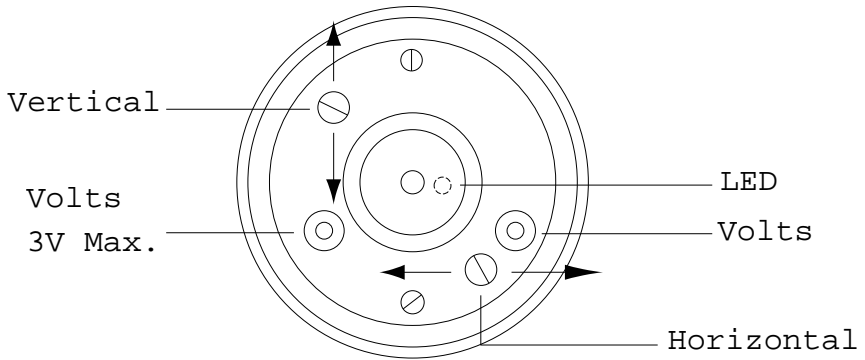


**Transmitter**



**Receiver**

**Fig.5**



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