

## CHARACTERISTICS

ATY is a quick and easy to install small sized photocell. Internally the infrared range can be horizontally adjusted to over 180° so that it can be positioned in places that normal photocells could never be positioned. Furthermore, the self-centring lenses also correct possible vertical errors of a few degrees.

The power supply can be either 12V or 24V ac or dc. ATY also has the synchronism function for the installation of two photocell pairs (see chapter "synchronism").

## TECHNICAL SPECIFICATIONS

Range	m	25*
Power supply	Vac/Vdc	12/24±10%
Consumption Rx (24 Vac)	mA	40
Consumption Tx (24 Vac)	mA	50
Relay contacts max. current	A	1
Relay contacts max. voltage	Vdc	30
Operating temperature	°C	-10+70
Protection class	IP	44
Width	mm	44
Length	mm	102
Height	mm	34

\* The range is subject to the external environmental conditions.

The range can therefore be reduced by 70% in the presence of fog, dust or Rain.

## PARTS DESCRIPTION

Fig. 1

1. power supply selector
2. Receiver connection terminal block 1 and 2 power supply  
3 and 4 normally closed contact (N.C.)
3. Transmitter connection terminal block 1 and 2 power supply
4. Fixing holes
5. Synchronism jumper
6. Led on when transmitter is powered
7. Led on when the transmitter and receiver are out of alignment
8. Internal casing fixing screws
9. Cable entrance

## INSTALLATION

Remove the photocell cover with a screwdriver as shown in fig. 3.

Position the transmitter and receiver in line with each other and fix the plastic base with at least 2 screws through the fixing holes (detail 4 Fig. 1).

Following fig. 1, make the electrical connection on the terminal block. Make sure that the correct power supply is selected by means of the jumper (detail 1 Fig. 1).

The contact of the receiver photocell is normally closed (N.C.) When powered and aligned with the transmitter.

If the contact needs to be normally open (N.O.), remove the electronics from the plastic support and cut track A and carry out welding B as shown in figure 4.

In order for the photocell to work correctly, avoid installing the receiver close to spotlights, Triac electronic controls or other sources of electric disturbance.

## OPTIC ALIGNMENT

The ATY photocells can be horizontally adjusted to over 180°.

Slacken screw 8 in figures 1 and 2, rotate the internal parts of the photocells until they are out of alignment, then carefully tighten the screws.

The red led of the receiver (detail 7 fig. 1) is off when the photocells are aligned.

Slight vertical alignment differences are compensated by a self-centring lens system.

## SYNCHRONISM

The beams from a pair of photocell in a system with two pairs of photocells that are close together could interfere on the other pair causing malfunction; in this case it is advised to activate the synchronism

To activate the synchronism, cut the jumpers in both transmitters (detail 5 fig. 1) and invert the power supply on one of the photocell pairs, see figure 5. If it is not possible to activate the synchronism, then avoid positioning the two receivers on the same side and the transmitters on the other, and alternate the receivers and transmitters, fig. 6. **if an alternating power supply is available.**

## FINAL ADVICE

Do not perform any wiring or modifications to the connections prior to having isolated the power supply.

The non-observance of the said instructions could prejudice the correct function of the equipment.

SEA decline any responsibility for possible malfunction and/or damage due to their non-observance.

SEA reserve the right to make modifications at any time they deem necessary in order to improve the aesthetical and/or functional aspect of the product.

## GUARANTEE

The present guarantee covers possible faults and/or irregularities due to manufacturing defects and/or faults.

The guarantee will automatically expire in the event of tampering or misuse of the product.

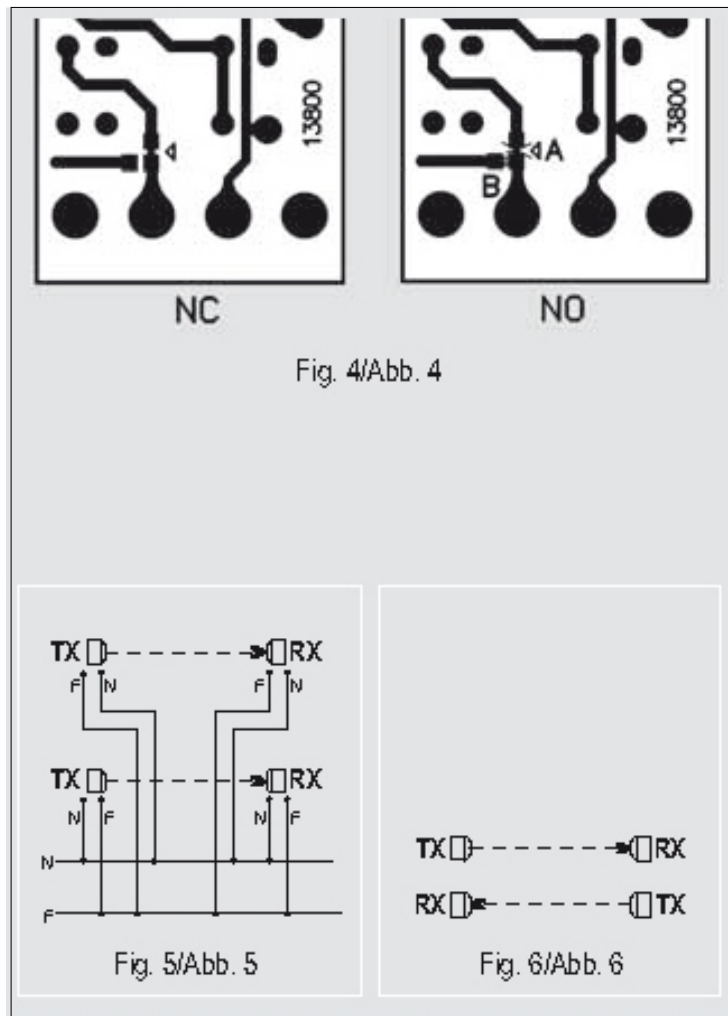
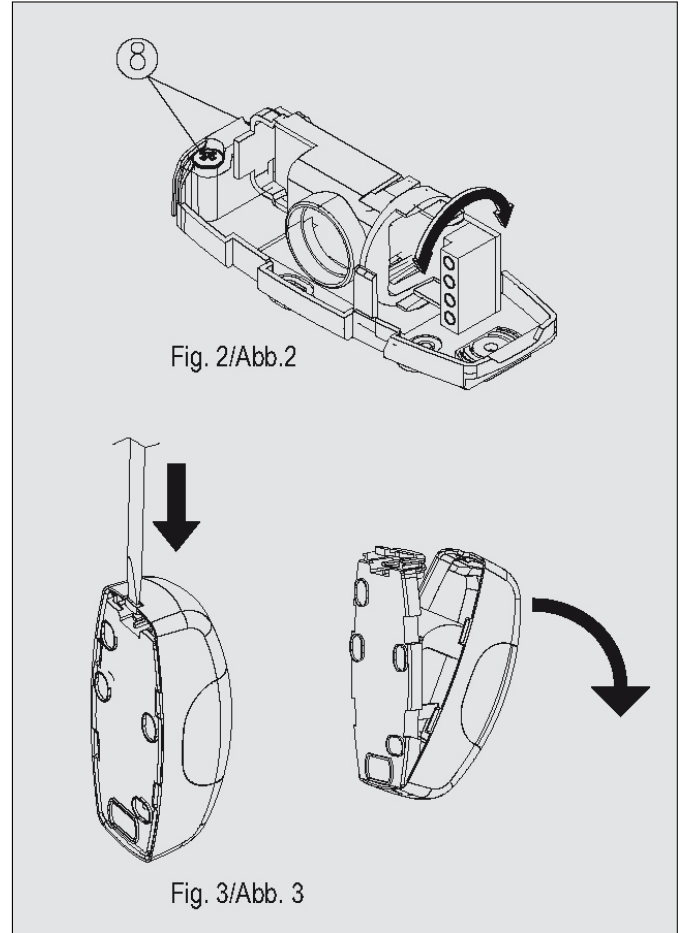
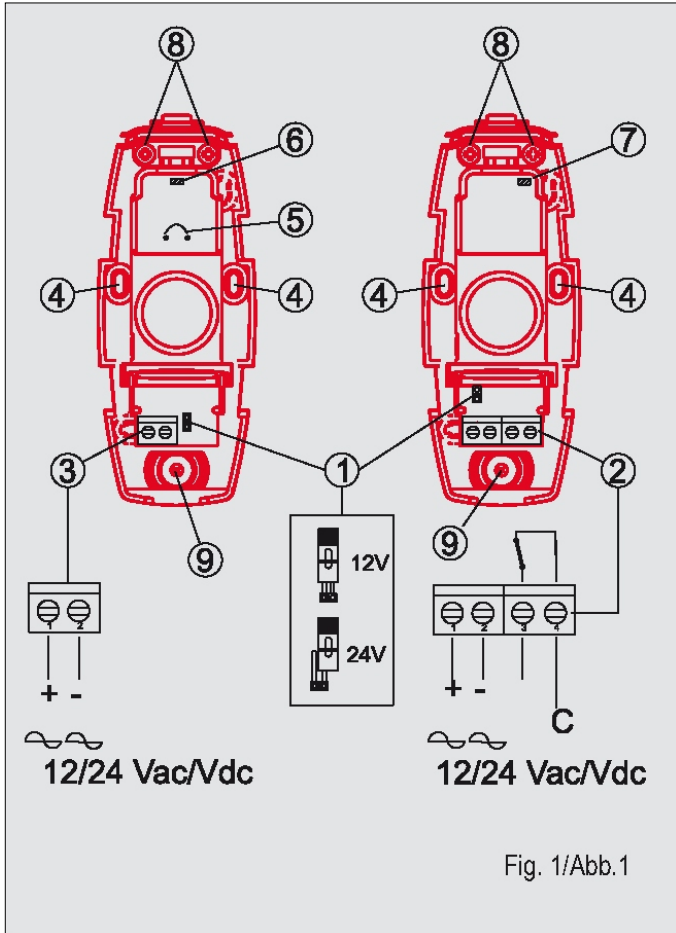
During the guarantee period SEA pledge to repair and/or replace defective and non-tampered parts. The call charges, as well as the collection, packaging and transportation costs of the product for repair or replacement are at the clients full and exclusive expense.



## DISPOSAL

This product is made up of various parts that could contain polluting substances. Avoid release to the environment!

Enquire about the local recycling or disposal systems in compliance with present laws and regulations.





**Dichiarazione di conformità**  
**Declaration of Conformity**

La SEA S.p.A. dichiara sotto la propria responsabilità e, se applicabile, del suo rappresentante autorizzato che il prodotto:

*SEA S.p.A. declares under its proper responsibility and, if applicable, under the responsibility of its authorised representative that the product:*

<b>Descrizione / Description</b>	<b>Modello / Model</b>	<b>Marca / Trademark</b>
Fotocellula ATY	23102195	SEA
Photocell ATY	23102195	SEA

**E' conforme ai requisiti essenziali Direttiva 89/336 (EMC) e successive modifiche, se impiegato per gli usi preposti.**

*Complies with essential requirements of the Directive 89/336 (EMC) and their amendments, when used for its intended purpose.*

**E' conforme ai requisiti essenziali Direttiva 73/23 (LVD) e successive modifiche, se impiegato per gli usi preposti.**

*Complies with essential requirements of the Directive 73/23 (LVD) and their amendments, when used for its intended purpose.*

**COSTRUTTORE o RAPPRESENTANTE AUTORIZZATO:**  
**MANUFACTURER or AUTHORISED REPRESENTATIVE:**

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(Luogo, data di emissione)  
(Place, date of issue)  
Teramo, 10/03/2014

L'Amministratore  
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