

STROBE LIGHT Three Flash

USERS MANUAL AND ASSEMBLY INSTRUCTIONS



THE ANTI COLLISION SIGNAL ***STROBE LIGHT*** IS COMPOSED, DEPENDING ON THE MODEL, OF A "***STROBE DRIVER***" DEVICE AND OF DIFFERENT "***STROBE LIGHTS***".

It is necessary to install the STROBE DRIVER device with a 5 Amp. delay fuse or a 5 Amp. circuit breaker in series !!!!!

CAUTION

The ***STROBE DRIVER*** generates a high voltage of 450VDC but must be assembled whilst disconnected. The power line which feeds the ***STROBE LIGHT*** should be correctly installed so as to avoid waring and any possible damage. Remember to turn off the power source to the ***STROBE DRIVER*** and wait 3 minutes before disconnecting the connector.

NEVER CUT THE WIRE

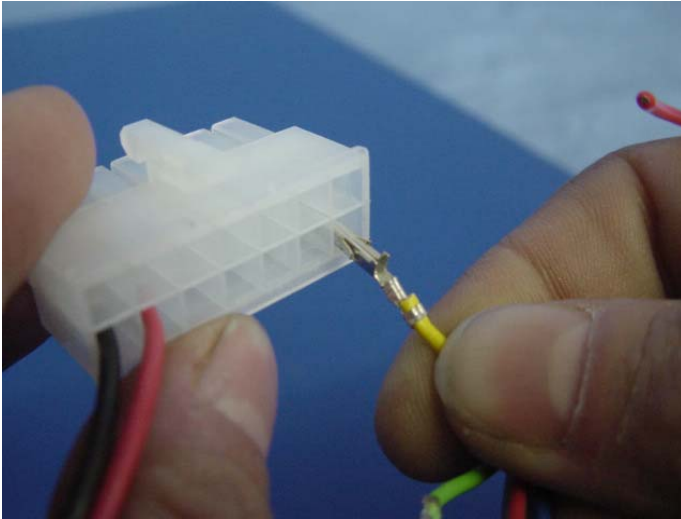
INSTALLATION

Cut out the diagram which you will find at the back of this manual, the "dimensions and holes for wing and/or tail lights" and place it, depending on the Strobe Light model that you have chosen, over the wing tips and/or the rudder.

Draw the outline and the holes with a marker and drill a hole (16mm in diameter) for the connector and two holes (2mm in diameter) for mounting using the parker screws provided.

The provided cable is suitable for quadripolar aeronautical use with non water resistant adaptors.

It is necessary that the ***STROBE LIGHT***'s cable can be passed through the wings of your ultralight aircraft.



CAUTION

IT'S NECESSARY to insert the PIN terminals into the 14 pin adaptor following the appropriate diagram below, and respecting the colours shown with the correct PINS. These should be inserted with the release grips in a horizontal position (see photo). The PIN should be inserted into the adaptor by pushing gently. Once this is done all the PIN terminals should be securely inserted.

Connection plan for pin terminals to the 14 pole adaptor

Configuration for connection of 1 light.

	BLUE				RED	
BLACK earth	RED 12 Volts		GREEN		YELLOW W	

Configuration for connection of 2 lights.

	BLUE	BLUE		RED	RED	
BLACK earth	RED 12 Volts	GREEN	GREEN	YELLOW wing tip	YELLOW wing tip	

Configuration for connection of 3 lights.

BLUE	BLUE	BLUE	GREEN	RED	RED	RED
BLACK earth	RED 12 Volts	GREEN	GREEN	YELLOW tail	YELLOW wing tip	YELLOW wing tip

Only once this has been done can the installation of the *STROBE DRIVER* and its connection to the lamp adaptors take place.

To ensure airflow do not close the vents.

NEVER place the *STROBE DRIVER* device near heat sources eg. the engine and/or exhausts.

Once this has been done you can remove the STROBE DRIVER box's protective film. Insert the main connector and ensure the wires are safely bound together using a nylon strip to avoid the former coming into contact with the connector due to vibration. **To ensure the *STROBE LIGHTS* correct functioning the aircraft needs to be equipped with a 12 Volts - 7 Amp. Battery (minimum).**

To power the *STROBE DRIVER* box, connect a 5 Amp. interrupter switch in series to the positive pole and a 5 Amp. delay fuse or a 5 Amp. Circuit Breaker.

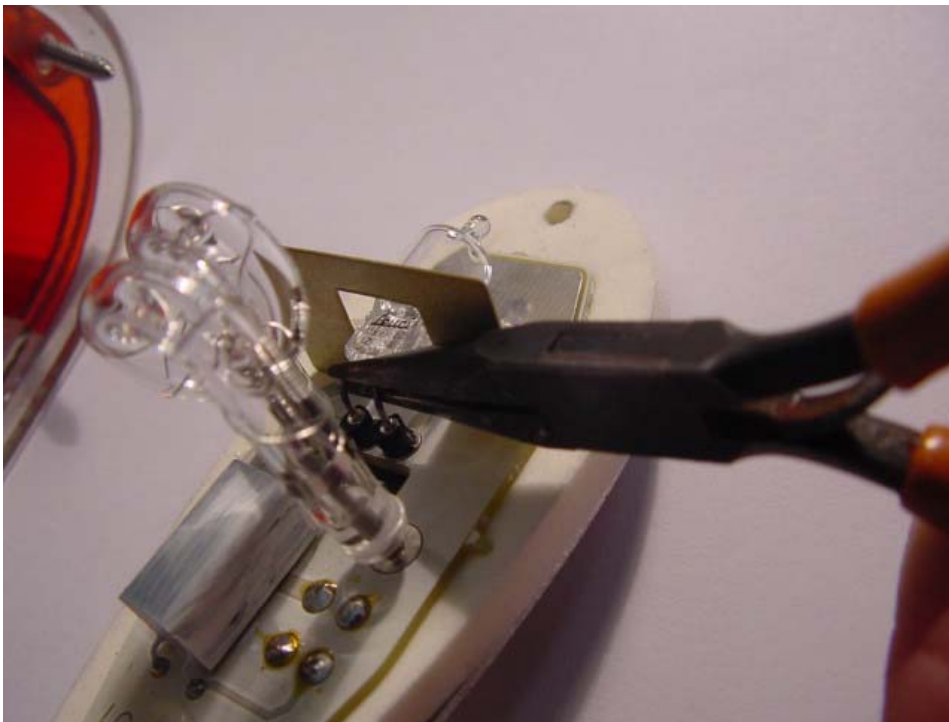
We recommend the use of 1,5mm copper wire.

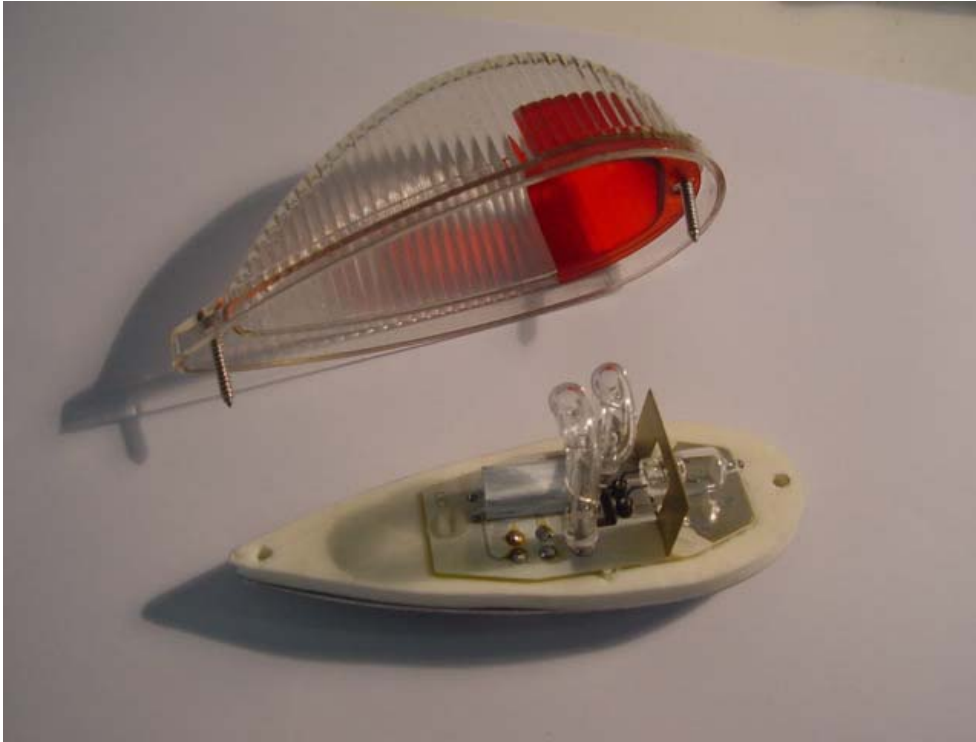
LIGHT REPLACEMENT FOR NAVIGATIONAL LIGHTING:

Remove the covers (transparent and coloured) using a pair of pliers. Gently lift the bulb out of its socket, and using the same pliers insert the replacement bulb.

Under no circumstances should the bulb be touched by a naked hand.

Once this has been done, the covers can be replaced.





GENERAL SPECIFICATIONS:

Voltage	from 11 to 16 VDC
SD current	3,5 Amp. constant (for 2 or 3 lights) 1,8 average - 3,5 max (for 1 light)
Positioning light current	0,8 Amp. max
Halogen lamp MAX 5 Watt	
SD dimensions	160 x 85 x 45 mm
SL dimensions	Ø 32 x 75 mm
SL prof. dimensions x SL6N e SL7N	115x42x52 mm
Wire length (between SD and each light)	7 m (approx)
Weight of SD <i>Three Flash</i>	450 g
Weight of SL lights	
x SL3 - SL3N - SL3/4 prof	50g (each)
SL weight outlined x SL6N and SL7N	60g (each)
SL weight outlined x SL6N PLUS	220g (each)
Strobe Light voltage	450 VDC max voltage
Flashrate	6 flash per second
Flash Strobe Light intensity	mod. SL3 1 strobe light at 30W - 80 Joules mod. SL3N 1 strobe light at 30W - 80 Joules mod. SL3prof 1 strobe light at 30W - 80 Joules mod. SL4 2 strobe lights at 30W (each) - 80 Joules (each) mod. SL4prof 2 strobe lights at 30W (each) - 80 Joules (each) mod. SL6N 2 strobe lights at 30W (each) - 80 Joules (each) mod. SL7N 3 strobe lights at 30W (each) - 80 Joules (each) mod. SL6N PLUS 2 strobe lights at 30W (each) - 80 Joules (each)

SD box container
SL container for SL3 light

Alluminium held with stainless steel rivets
Dome support in lexan and selfextinguishable ABS, held with stainless steel rivets

SL container for SL6N - SL7N - SL3N light

Alluminium support, selfextinguishable lexan dome anti UV held with stainless steel rivets

CONDITIONS OF GUARANTEE

- Each Strobe Driver unit is guaranteed against all material defects and/or manufacturer's error for a period of **48** months from the date of purchase.
- The lights are guaranteed for a period of 6 months.
- Appliances will not be accepted without written warning informing of the suspected defect in detail and the date of purchase.
- Each appliance sent for repair must be sent to *STAR COMPANY* or the place of purchase in appropriate packaging. *STAR COMPANY* and/or the retailer accept no responsibility for damage that may occur during transportation or may be caused due to inappropriate packaging.

The guarantee is subject to the following conditions:

- The appliance must always have been used in accordance with the users manual.
- The appliance must be sent to *STAR COMPANY* or to the retailer at the senders expense.
- The guarantee is not applicable if defects occur due to improper use, accident, interference or negligence.

Finally, we would like to point out that it is strictly forbidden to replace the rivets and screws on the *STROBE DRIVER* as not only will this render the guarantee invalid but could also irreperably damage the control box itself.

RETAILER



Loc. Cascina Tranquilla – AEROPORTO VOGHERA (LILH)
27055 Rivanazzano (PV) Tel +39 383944470 – Fax +39 383 944764
www.starcompany.it