

SUPERNOVA

FITTING INSTRUCTIONS

INTRODUCTION.

The SUPERNOVA tri-colour, SUPERNOVA anchor and SUPERNOVA combi lights are designed to comply with COLREG (rule 22) for installation on vessels up to 12 metres in length.

They are visible, at night, at a distance in excess of 2nm even with 25 degrees of pitch or roll. The nominal supply voltage is 12 volts (10 to 20 volts) with a current at nominal voltage of 200mA.

The anchor light is white through 360 degrees. The tri-colour is white through 135 degrees, red through 112.5 degrees and green through 112.5 degrees. The combi is a combined anchor and tricolour light.

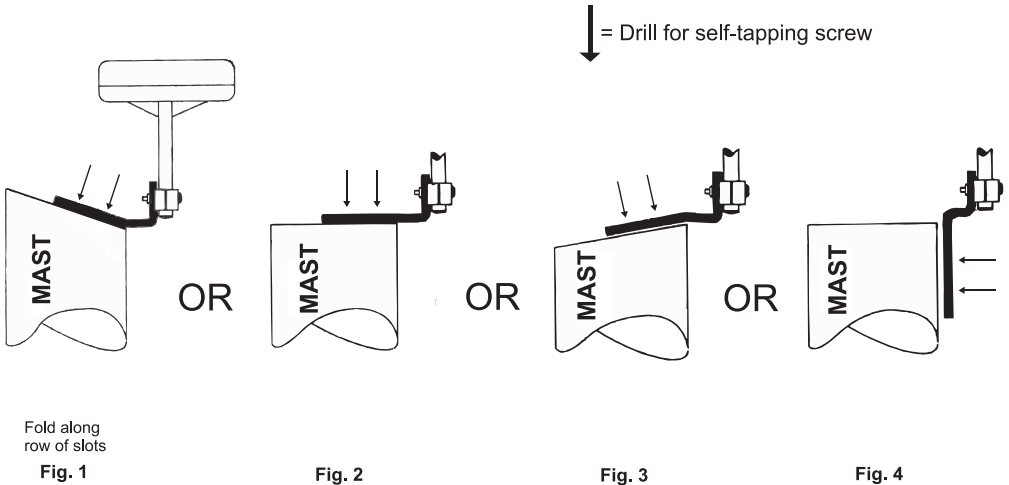
FITTING THE SUPERNOVA.

The SUPERNOVA is supplied with a universal mounting bracket which can be bent along the row of slots to accommodate any mounting angle. Figs 1 to 4 illustrate the various mounting options. Bend the bracket to the required angle. Drill the bracket and fix to the mast using self tapping screws. Make final adjustments to the bracket to ensure the flange is vertical then bolt the SUPERNOVA to the flange using the mounting blocks and stainless steel fasteners provided. The anchor light has no preferred direction however the tri-colour must have the arrow on the top pointing a forward. The combi must be mounted with the line dividing the green and red sectors pointing forward.

CAUTION.

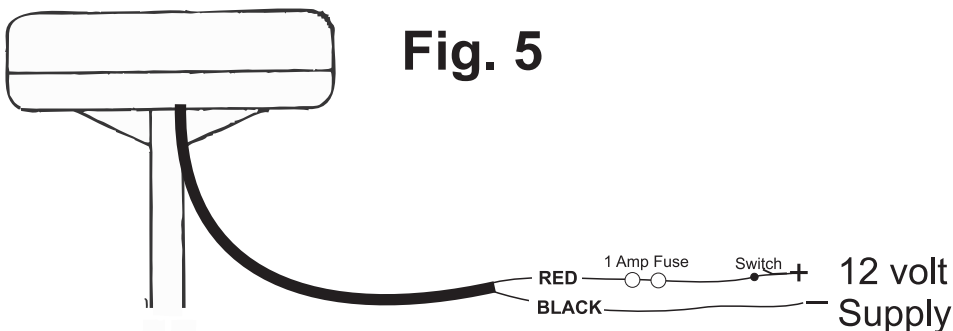
- * Do not exceed the rated supply voltage.
- * Paint any scratches on the mounting bracket which result from drilling or bending.
- * Do not fit to vessels over 12 metres.
- * Do not try to bend the bracket using the SUPERNOVA as a lever.
- * Ensure all electrical connections are properly made and are waterproof.
- * Do not remove the cable tie as it prevents stress on the cable gland.
- * Do not tamper with the Gore-Tex sealing grommet.
- * Do not remove the top label.
- * Do not attempt this installation if you are not competent to do so or if you do not possess the proper equipment.

MOUNTING OPTIONS



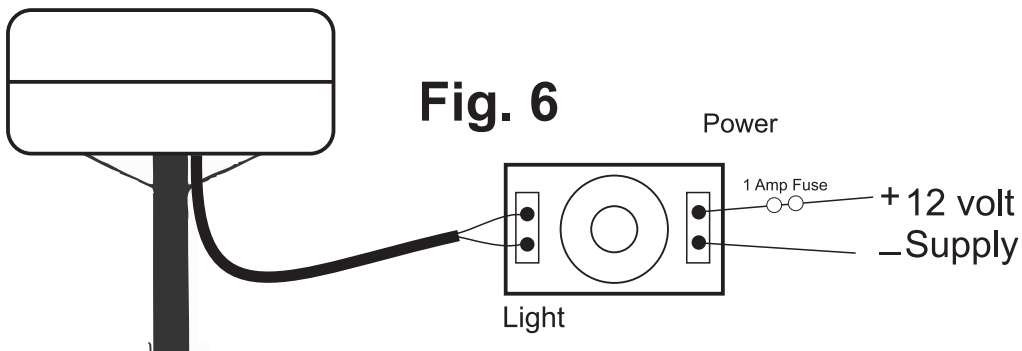
CONNECTING THE SUPERNOVA ANCHOR OR TRI-COLOUR.

Connect the power cable to the 12 volt supply (Red positive and Black negative) through a 1 Amp fuse and a suitable switch. (Fig 5)



CONNECTING THE COMBI LIGHT.

Connecting the red wire to positive and the black wire to negative will illuminate the tricolour light. Reversing the connections will illuminate the anchor light. A rotary switch is supplied with the combo light to facilitate the supply reversal. (Fig 6) In the central position both lights are off. Switching clockwise or anticlockwise selects the required lighting configuration.



If a toggle or rocker switch is preferred, to match existing switches, then a centre off two pole changeover switch can be use wired as in fig 7.

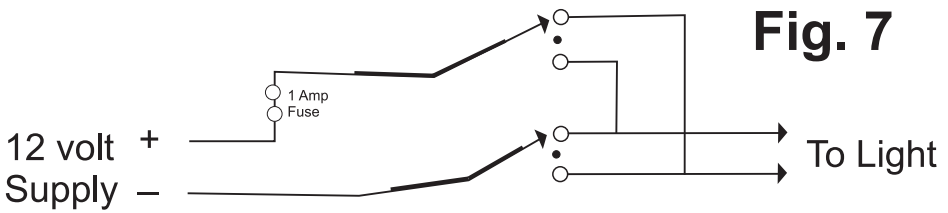


Fig. 7

A typical switch wiring

IMPORTANT.

Supernova navigation lights are intended for use on vessels up to 12 metres in length.

They comply with CE generic EMC standards and are waterproof to IP65 and IP67. There is no specific EU standard for LED navigation lights. Supernova lights do not have any national approvals.