



DESIGNED AND  
MANUFACTURED  
IN ENGLAND

# ***SUPER NOVA***

**NASA** →  
MARINE INSTRUMENTS



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# **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.**

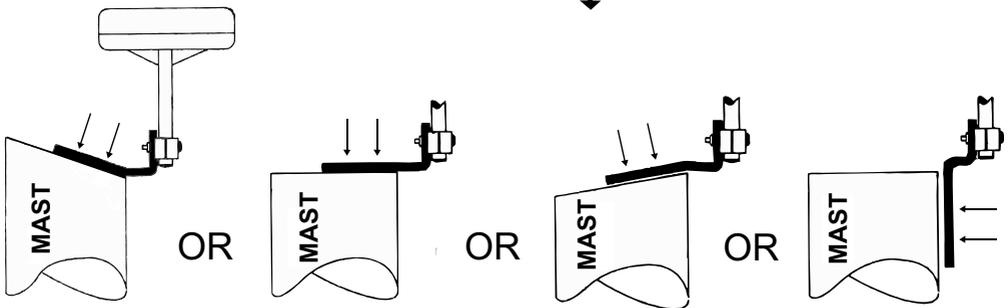
The SUPERNOVA is supplied with a universal mounting bracket which can be bent along the row of slots to accommodate any mounting angle. Figs 1 to 4 illustrate the various mounting options. Bend the bracket to the required angle. Drill the bracket and fix to the mast using self tapping screws. Make final 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 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

↓ = Drill for self-tapping screw



Fold along  
row of slots

Fig. 1

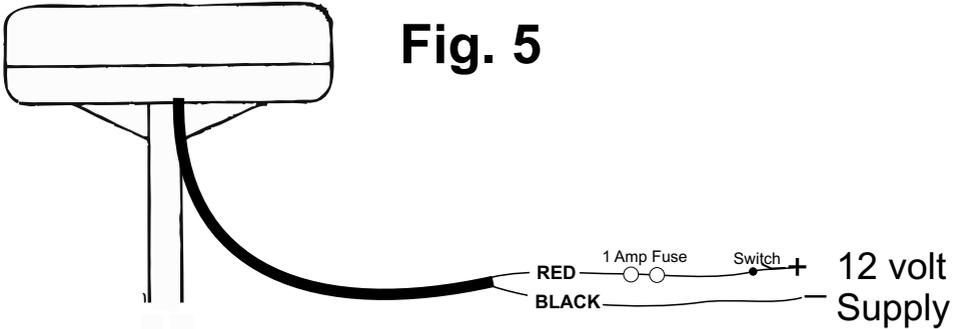
Fig. 2

Fig. 3

Fig. 4

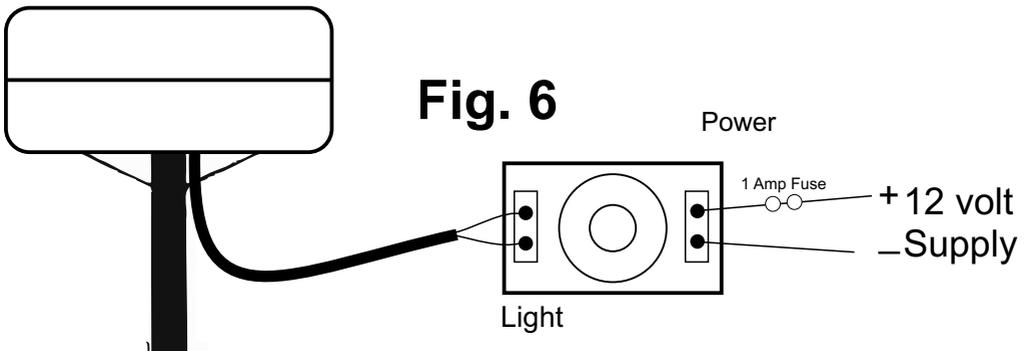
## CONNECTING THE SUPERNOVA ANCHOR OR TRI-COLOUR.

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)

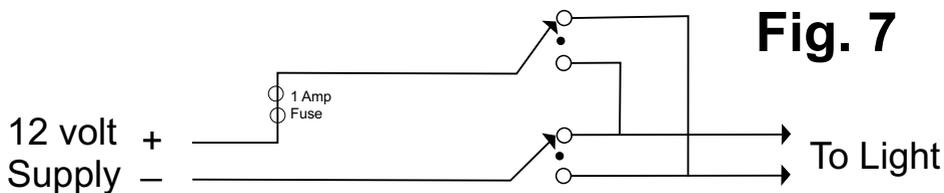


## CONNECTING THE COMBI LIGHT.

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 toggle 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.



# IMPORTANT READ THIS BEFORE UNPACKING INSTRUMENT

Prior to unpacking this instrument read and fully understand the installation instructions. Only proceed with the installation if you are competent to do so. Nasa Marine Ltd. will not accept any responsibility for injury or damage caused by, during or as a result of the installation of this product. Any piece of equipment can fail due to a number of causes. Do not install this equipment if it is the only source of information and its failure could result in injury or death. Instead return the instrument to your retailer for full credit. Remember this equipment is an aid to navigation and not a substitute for proper seamanship. This instrument is used at your own risk, use it prudently and check its operation from time to time against other data. Inspect the installation from time to time and seek advice if any part thereof is not fully seaworthy.

## LIMITED WARRANTY

Nasa Marine Ltd. warrants this instrument to be substantially free of defects in both materials and workmanship for a period of one year from the date of purchase. Nasa Marine Ltd. will at its discretion repair or replace any components which fail in normal use within the warranty period. Such repairs or replacements will be made at no charge to the customer for parts and labour. The customer is however responsible for transport costs. This warranty excludes failures resulting from abuse, misuse, accident or unauthorised modifications or repairs. In no event shall Nasa Marine Ltd. be liable for incidental, special, indirect or consequential damages, whether resulting from the use, misuse, the inability to correctly use the instrument or from defects in the instrument. If any of the above terms are unacceptable to you then return the instrument unopened and unused to your retailer for full credit.

Name \_\_\_\_\_

Address \_\_\_\_\_

Dealer Name \_\_\_\_\_

Address \_\_\_\_\_

Date of Purchase \_\_\_\_\_

**Proof of purchase may be required for warranty claims.**

**Nasa Marine Ltd.**  
**Boulton Road, Stevenage, Herts SG1 4QG England**

### Declaration of Conformity

NASA Marine Ltd declare this product is in compliance with the essential requirements of R&TTE directive 1995/5/EC.

The original Declaration of Conformity certificate can be requested at [info@nasamarine.com](mailto:info@nasamarine.com)

**THIS PRODUCT IS INTENDED FOR USE ONLY ON NON SOLAS VESSELS**

