

**MEDIUM INTENSITY AVIATION OBSTRUCTION LIGHT**

# **OPERATIONAL MANUAL**

## **OPERATING MANUAL (MEDIUM INTENSITY AVIATION OBSTRUCTION LIGHT)**

### **DESIGN HIGHLIGHTS:**

Instapower's state-of-the-art designed Medium Intensity Aviation Obstruction Light is the only light in India to conform to the ICAO specifications. The intensity of light is 2500cd and consumes only 17W. Though utmost care is taken while manufacturing and testing of each light, it is imperative that the lights are installed appropriately following the guidelines of the manual.

### **PACKING:**

Instapower's light is carefully wrapped in plain transparent plastic to prevent the light from scratches and then put in a specially designed box and packing material which is suitable for air/sea/land transit.

### **INSTALLATION INSTRUCTIONS:**

The two main components of the Aviation Lights are: Control Panel and Aviation Obstruction Light.

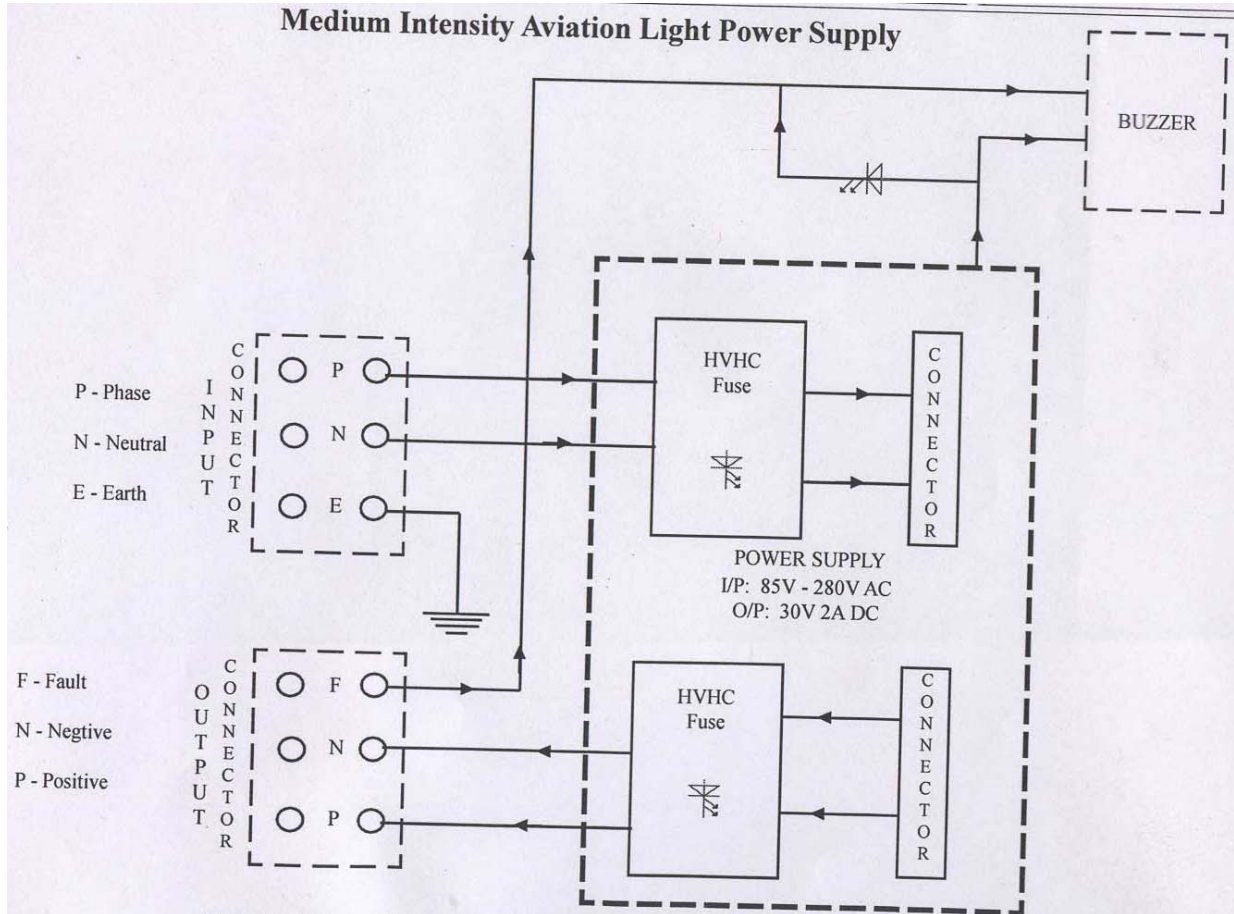
- Instapower has three models of Medium Intensity Aviation Obstruction Lights:
  - 1) Input Voltage to Control Panel: 220VAC  
A power supply box is provided which converts AC voltage to DC voltage. Through one cable gland, feed in 220VAC( as marked) and through the other cable gland, take armoured wire( 2core/3core) to the top of the light.( The armoured wire is not provided with the light)
  - 2) Input Voltage to Aviation Obstruction light: 12VDC or 24VDC  
Connect the light directly from the DC source but check the input voltage mentioned at the junction box of the light. Accordingly feed in the correct voltage as mentioned.
- Suggested following tests should be performed on ground before installing light on the tower:
  - The light should be checked by applying the voltage mentioned on the chassis
  - If voltage label is missing from the light then contact Instapower's local sales representative for information giving Model No. and Serial No.

Following care should be taken while mounting the light on top of tower/structures:

- Fix the light on top of the tower/structure with nut and bolt
- Carefully unscrew the junction box mounted on base of the light
- The input to the light will always be a DC voltage. Ensure that positive and negative terminals marked on the connector inside the junction box are properly connected with the armored wire from the base station.

- The error signal/alarm connector is marked as “ES”
- Carefully screw the junction box
- Take care to ensure that the chassis of the light is earthed properly.

After performing the above steps you have successfully installed the light. Congratulations!!



### TROUBLESHOOTING:

If light is not glowing, check and report

- Voltage at input of light
- Voltage at output of light
- ON/OFF Sensor

**SAFETY ISSUES:** Instapower would not be liable for any safety laxity while installing the lights. The workers should be properly equipped with necessary tools, instruments to install the lights. Though the company has mentioned suggested tests and care, Instapower at no point would be liable for any injury/death of any workers installing the lights.

**LIMITED WARRANTY:** Instapower products are warranted for a life of two years from the date of supply. The warranty would be void if the light is tampered/seal is broken/proper voltage is not applied. The warranty only is for repair of the light at the premises of Instapower within the warranty period. No stand by lights would be provided during the time carried out in repairing the light.