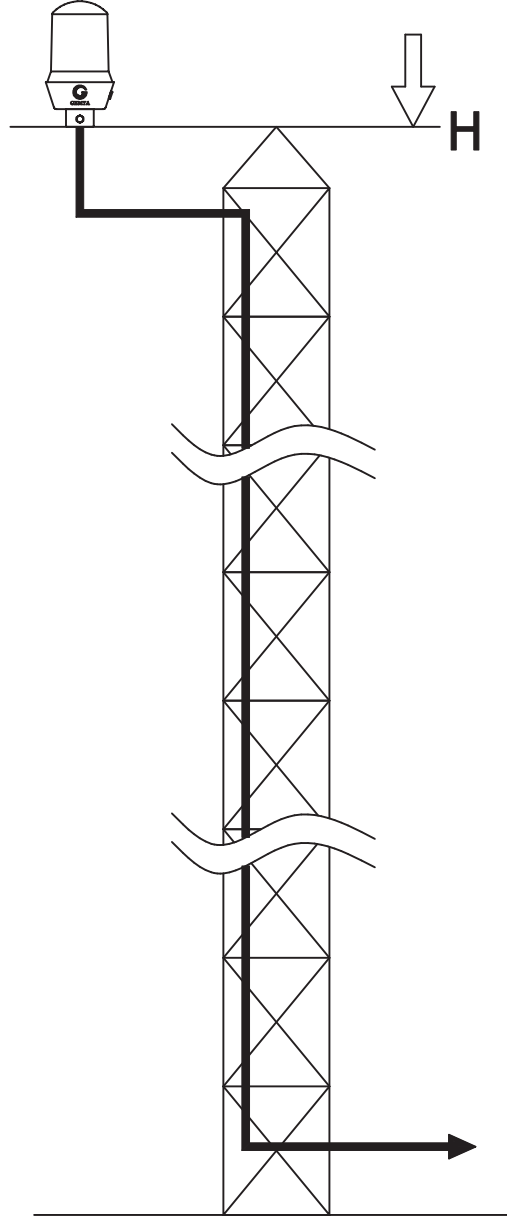


AIRCRAFT WARNING LIGHT SYSTEMS

LOW INTENSITY SYSTEMS

GUIS-11a (AC-DC Supplied, Single Warning Lamp)



GENERAL SPECIFICATIONS: GEMTA Aircraft Warning Light System is designed and manufactured to warn aircraft against the high points above the ground which can be hazardous for flight safety. GUIS-11a System consists of a single lamp armature. System operates under the control of photocell relay so automatically turns the system on when ambience gets dark and turns it off when the ambience gets lighten.

Upon request in ordering process, system options below are available.

1- Supply Voltage:

DC: Whole voltage range between 12V DC -60V DC

AC: 220V AC±20% * 230V AC±20%

2- Lamp Type : LED (Low intensity)

Gemta Led Lamp: Gemta designed and produced lamps are especially recommended to customers.

The lamps are completely made by leds. That's why they have very long lifes.(approximately 100.000 hours)

AIRCRAFT WARNING LIGHT SYSTEMS

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3- Backup Systems:

There are two led groups in the led lamp.(Figure-1) While group 1 leds are working the other group waits as a spare. If active group fails, it sends a failure code to the spare one and turn the spare group on.

4- Simultaneous Systems : All leds on the lamps operate together.

5- Blink Systems : Active leds on the lamps blink 60 times in a minute.

6- Continuous Systems : Active leds on the lamps operates continuously.

7- Lamp Self Control:

Lamp does a self-check periodically for failures while the system is active and non-active.

By means of self-check feature possible failures can be determined in day time.

8- Failure Warning System :

With this option, user is able to control the operation of system from a distant place. User installs the system by connecting failure outputs (COMxommon - NOmormally open) to sounded or lighted warning device. In case of any failure on lamps and energy system warns the user send. By means of Failure Warning System, problem is solved in a short time.

9- Cable Specifications:

*Cable section: 6x1.5mm²

*Cable type: NYY and LIYCY cable types are recommended, nevertheless the cable types are determined due to customer.

*Cable lenght: Must be calculated due to cable lenghts, tower lenght and distance between power supply and control center.

10-Operating Temperature : -40°C / 55°C

Storage Temperature : -55°C / 55°C

11-Operating Frequency : 50 Hz

12-Power Consumption: AC input: 6 Watt / DC input: 3 Watt

MECHANICAL SPECIFICATIONS:

- 1-Material : Aluminium Moulding
- 2-Paint : Ral-1028 Electrostatic Polyester
- 3-Bolts-Nuts-Washers : Stainless steel (inox)
- 4-Lamp Protective Cover: Transparent polycarbonate
- 5-Protection Class : Device :IP-65 / Terminal: IP-20
- 6-Dimensions : See figure-2
- 7-Weight : 1.2 kg

PACKAGE DETAILS:

- 1-Dimensions : 210x410x210mm
- 2-Weight : 1.7 kg
- 3-Content : Armatures, Manuel User
- 4-Max. Number of Stock : 8 pcs./package

REQUIRED INFORMATION DURING THE ORDER:

- 1-Input Voltage
- 2-Backup or Non Backup system
- 3-Continuous or Blink system

SPECIAL DESIGNS:

Special systems can be designed due to customer's requests. Please do contact with GEMTA.

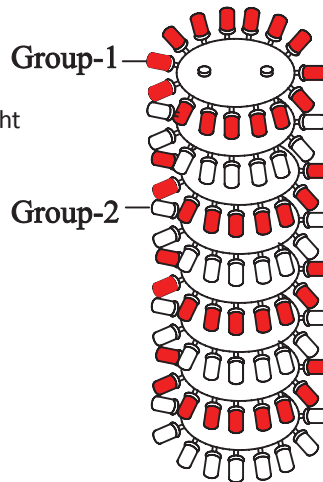


Figure-1

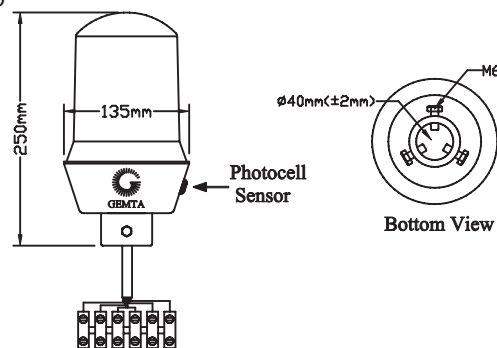


Figure-2

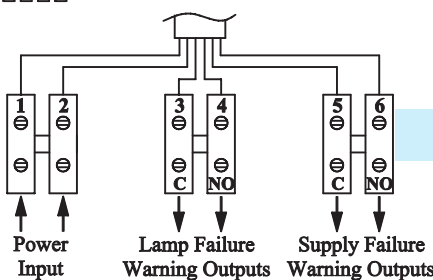


Figure-3

TERMINAL CONNECTIONS