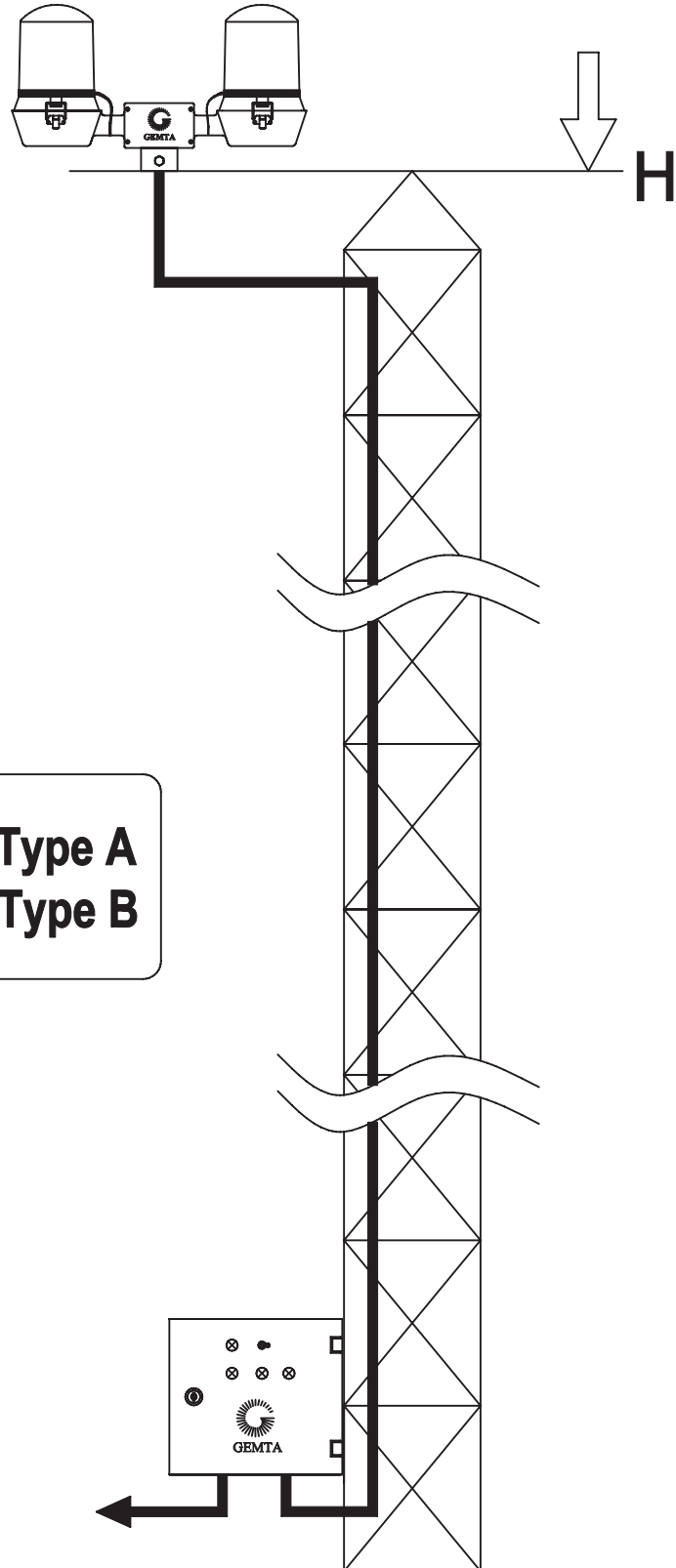


AIRCRAFT WARNING LIGHT SYSTEMS

LOW INTENSITY SYSTEMS

GUIS-02 FS (AC-DC Supplied, Double Warning Lamp+Control Box)



ICAO Type A
ICAO Type B

AIRCRAFT WARNING LIGHT SYSTEMS

LOW INTENSITY SYSTEMS



GUIIS-02 FS (AC-DC Supplied, Double Warning Lamp+Control Box)

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. GUIIS-02(FS) Systems are producing 2 type according to the light intensity "ICAO Type A" and "ICAO Type B". System consists of a double lamp armature and a control box. 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. By the manual option of the photocell relay, system works round the clock. Functionality tests must be conducted on manual mode at first installation. Upon request in ordering process, system options below are available.

1- Supply Voltage (±20%) : 24V DC / 48V DC & 220V AC / 230V AC

2- Lamp Type : LED

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)

Light intensity: Low intensity, Red light.

3- Backup Systems: System has two lamps on two seperate arms. While one of the lamps is working the other lamp waits as a spare.(figure-1) If active lamp fails, it sends a failure code to the spare one and turn the spare one on after 4 second.

4- Simultaneous (Non-Backup) Systems: Two lamps on two arms works simultaneously.(figure-2) If one of the lamps fails it does not effect the other lamp.

5- Failure Warning Systems: With this option, user is able to control the operation of system from a distant place. User installs the system by connecting failure outputs (COM:Common - NO:Normally Open) to sounded or lighted warning device.

In case of any failure, system sends warning and woms the user.

By means of Failure Warning System, problem is solved in a short time.

6- Blink Systems: Lamps blink 60 times in a minute.

7- Continuous (Steady) Systems: On this option system work continuously.

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

Storage Temperature: -55°C / 55°C

9- Operating Frequency: 50 Hz

MECHANICAL SPECIFICATIONS:

Armature;

- 1-Material : Aluminum Moulding
- 2-Paint : Ral-1028 Electrostatic
- 3-Bolts-Nuts-Washers Polyester : Stainless steel (inox)
- 4-Lamp Protective Cover : Polycarbonate
- 5-Protection Class : IP-55 / IP-65
- 6-Dimensions : See figure-3
- 7-Weight : 2.8 kg

Control Box;

- 1-Material : Sheet Metal (ST-37)
- 2-Under Painting Surfacing : Electro Galvanized
- 3-Paint : Ral-7035 Electrostatic Polyester
- 4-Protection Class : IP-55 / IP-65
- 5-Dimensions : See figure-4
- 6-Weight : 7 kg

PACKING SPECIFICATIONS:

- 1-Dimensions : 510x 350x 350mm
- 2-Weight : 11.5 kg
- 3-Content : Armatures, Control Box, User manual
- 4-Max. Number of Stock : 5 pcs/package

REQUIRED INFORMATION DURING THE ORDER:

- 1-Input Voltage
- 2-Backup or Simultaneous System Options
- 3-Continuons or Blink System Options

SPECIAL DESIGNS:

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

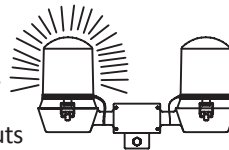


Figure-1

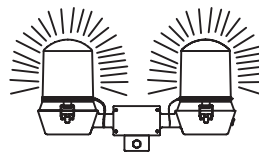


Figure-2

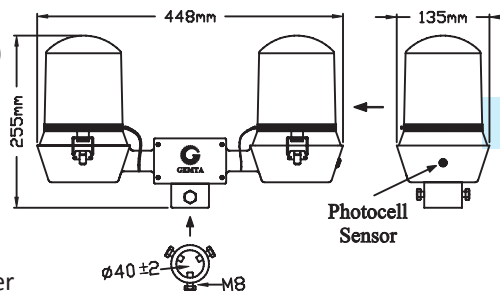


Figure-3

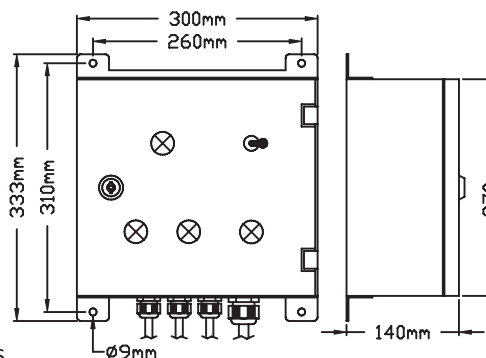
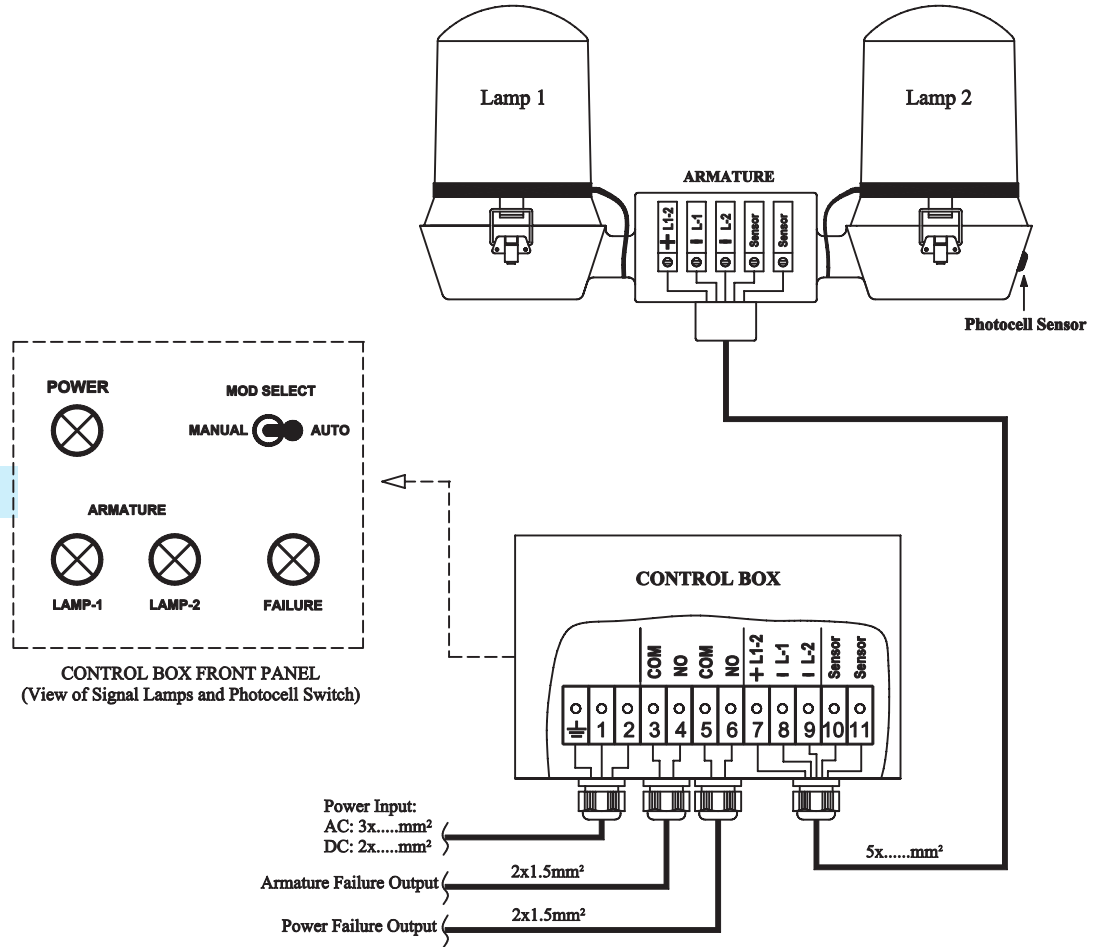


Figure-4

AIRCRAFT WARNING LIGHT SYSTEMS







LOW INTENSITY SYSTEMS

GUIS-02 FS (AC-DC Supplied, Double Warning Lamp+Control Box)



WIRING DIAGRAM

GUIS-02(FS) SYSTEM COMPARISON TABLE

	ICAO Type A (Low Intensity)	ICAO Type B (Low Intensity)
LIGHT INTENSITY	>10cd	>32cd
POWER CONSUMPTION 24V-48V DC / 220V-230V AC	~ 5 - 7W / 21W	~ 7 - 10W / 25W
CROSS SECTION CABLE	2.5mm ²	2.5mm ²
DOCUMENTS	  	  

RF Protected Systems:

Electronic systems used on antenna towers are strongly affected by powerful electromagnetic waves broadcasted by towers and therefore lose their function. Possible failures on aircraft warning lights systems used on antenna towers can cause extreme danger for flight safety. RF systems have additional electromagnetic protection equipment which differ them from standard aircraft warning light systems. RF systems can protect the system up to 400 MHz frequency. Requirement of RF protected system should be specified during the purchase order.