



■ Functions

- control of working light
- switching to auxiliary light in case of failure
- readout of power supply
- battery and overvoltage protection monitoring
- overvoltage protection of working, alternative and additional lights
- remote readout with optional GSM SMS device
- uninterruptible power supply connected to battery back-up
- optional solar panel PS with regulated battery charger

■ System Description

System obtains control of lighting in night conditions or during poor daylight. Working light is being continuously monitored. If malfunction occurs, alternative light is switched on automatically. Apart from these functions, system enables local readout of power supply, battery and overvoltage protection of working /alternative lights. These data can be accessed remotely by optional GSM device. System's primary power supply is obtained from 220Vac net outlet, with battery back-up or optional solar panel PS.

■ Applications

Important premises or high constructions that can be obstacle to aviation, power line masts, antenna poles, chimneys, stadiums, bridges and cranes. Standard equipment includes working and alternative LED lights, approved for aviation obstacle lights, conforming to ICAO recommendations, Annex 14. Rack enclosure and components are suited to harsh industrial conditions.

System is completely equipped for applications of remote monitoring and industrial communications.

■ Specifications

LED lights controller	current regulated power supply of LED lights, photo sensor connector, 4 status outputs for base station, 4 status outputs for optional GSM SMS device
Lights connectors	2 main lights (working and alternative) + 4 additional lights
LED lights intensity, life exp.	> 32,5 cd , > 100.000 h
Net power input	100-240Vac / 2A
Battery back-up	12Vdc / 40Ah
Battery charger	solar: 12Vdc < 8A net outlet: 12Vdc < 0.5A
Operating temperature	from -30 °C to +70 °C
Rack type and dimensions	RT-F-12V, 400 x 400 x 210mm
Rack equipment	thermostat, heater, cooling fan, automatic fuses, overvoltage protection
Mounting	wall mounting and pole mounting
Optional GSM SMS device	4 discrete inputs, 2 relay outputs, SMS messages

System rack diagram

