

Designed to provide a highly reliable subsystem, the unit uses the latest surface mount and micro-controller technologies to provide a compact, disc - shaped device for the use in lanterns, based on 150mm LED-disc Light Sources Family E801, E802, E803, E804. It incorporates several new features needed for remote monitoring and control. It has been designed for the long-term work in field conditions

The E864 flasher provides the user with a convenient , simple setting up by a service computer device that may be used in both, stand alone and system applications. Special care has been taken to minimise the power consumption in the idle state which is essential when using the flasher in primary battery powered buoys

Features

- Programmable automatic control of flashing
- Daylight-dependent switching on and off of the flashing mode by a photosensor and sending the actual switching time messages to the monitoring and control centre
- Autosynchronisation by internal watch/calendar to be adjusted either by GPS receiver or by any other flasher in the control and monitoring system
- Built-in monitoring and control LAN interface for the communication with other units
- Sending diagnostics and emergency messages to monitoring and control centre via LAN and the communication controller
- Simple setting up and programming using a service computer



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Input voltages	6V or 12V DC
Nominal voltage of the lamp	10.30V
Current consumption	
in sleep mode	1mA
in the pause of flash	12mA
in flash	25mA
Flash lenght	any multiples of 10ms, up to 60.01s
Period time	any multiples of 20ms, up to 655.35s
Character changing	using a service computer
Character stability	±20ppm - 6.67ms
Stability of built-in clock	± 20ppm (without GPS correction)
Daylight control	delayed switching by external photosensor, delay programmable by service computer. Sending switching time messages to the center
Inputs	RS485, photocell, control input of reserve units, voltage measurements
Outputs	RS485, LED-disc control
Temperature range	-30°C to +55°C* (ICE 68-2-1,2,14)
Relative humidity	max 90% at +35°C (ICE 68-2 3)
Dimensions	diameter 150mm
Weight	0.5kg

*) the temperature interval can be optionally extended

