

# FA-249901 SELF-CONTAINED LIGHT



The FA-249901 self-contained light features our most successful field lantern, the 155 mm FA-249LED on top of the self-contained solar array. It can be ordered as a complete assembly or without the FA-249LED Lantern

The LED's are mounted on specially designed heat sinks to keep the temperature of the LED below 50°C to assure the design life of 50,000 hours.

The FA-249901 is rugged marine signal lantern and ideally suited for high latitude applications or combined with our AIS (Atonis) transponder. Options include an AIS Repeater and Weather Sensor (WX-Pro).

## LIGHT RANGE

Light Range up to 8 nm. Contact API to get a complete set of tables for your location.

## FLASH CHARACTERISTICS

255 flash codes preset at factory to customer's specifications plus 1 programmable position. All selector switches are located on top of the LED assembly and accessible by removing the lens.

## CURRENT SETTING

15 fixed levels plus 1 programmable level. Preset at the factory to customer specifications. Can be fitted with Uniflash-3A for worldwide synchronization which has only negligible impact on battery usage.

## ELECTRONICS

- High-efficiency TracSwitcher current controls. 82% of the battery current reaches the LED array on flash. 2 milliamp idle current between flashes.
- Standard 12-volt system giving greater flexibility in selection of batteries.
- Software programmable for photocell thresholds, special flash rhythm, specialized current settings and solar charge control voltage setting.

## LENS

- 155 mm 360° visibility clear Acrylic lens Unit can be supplied with colored lens to enhance the daytime signaling performance.

## LEDS

- State of the art high flux LEDs. Life expectancy in excess of 50,000 hours depending on current density.

## BATTERY OPTIONS

- 36 Amp-Hr 12 Volt deep cycle AGM battery

## ATON AIS TRANSPONDER

- Configured to house the Type 1 or Type 3 ATONIS AIS transponder as an option. May also be used without a light for ATONIS only applications.

## MATERIALS

- Corrosion resistant and watertight with hydrophobic vent in the battery compartment. Extruded aluminum frame with UV and salt water resistant paint. Tamper resistant screws.
- Four, 10 watt, heavy-duty tempered glass-EVA encapsulated solar modules designed for extended service in the marine environment.
- Solar charge controller includes dissipation less regulation of the solar modules with blocking diodes and fuses.

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