

AM-6 STABRITE LED FLASHER/CONTROLLER UNIT

The LED Flasher Controller board is designed to fit within the led array mechanical supporting bracket which, in turn, fits on the typical flasher bracket of the FA-249 155mm marine lantern, FA-143 200mm marine lantern, FA-240 range lantern and the FA-14 14-inch range lantern.

It has the following design features:

Hardware features:

- High efficiency Trac-switcher technology, overall efficiency of 80-90%
- No heat sink needed.
- Input battery voltage range of 10.5 to 30 volts.
- Units operable at 5.5 volts available as special.
- LED current control via externally programmable command or 16 position HEX switch.
- Able to detect any single LED open/short
- Built-in 6 amp Solar Controller with programmable voltage threshold.
- Programmable Night (on) and Day (off) sunswitch thresholds.
- Unlimited flash characteristics with 255 factory preset codes.
- RS-485 and RS-232 serial communication port for monitoring and/or light synchronization.
- UNIFLASH[®] ready for global synchronization.
- Battery backed up real time clock/calendar, Y2K compatible, for seasonal control.
- External Pass/Fail zero-volt-contact monitoring port (open collector transistor).

System Hardware features:

- Mounts within current LED array mounting bracket using existing mounting tabs.
- Connectors are mounted above the lantern base to facilitate field access. Temperature Range is -40° C to +75° C.



Software features:

- Programmable Flash Code, unlimited possibilities (0.05s interval stops)
- Programmable sync delay for special effects, such as ripple or alternating.
- Programmable seasonal controls.
- Programmable LED current control.
- Remote monitoring (via the serial port) of:
 - Actual sunswitch level.
 - Sunswitch threshold settings.
 - Battery Voltage.
 - LED current level.
 - Active Flash Code.
 - Real-time Clock/Calendar time and date.
- Free software.



UNIFLASH[®] is a register trademark of Automatic Power, Inc.