



TF-3AC Flasher/Lampchanger

T I D E L A N D • S I G N A L

A popular choice for bridge light and dock light applications is Tideland Signal's TF-3AC flasher/lampchanger installed in the ML-140 or ML-155 MaxLumina® marine lantern.

The microprocessor-based TF-3AC provides over 240 field-selectable flash codes. Supplied with each unit is a multi-lingual Code Selection Guide compiled by Tideland Signal worldwide customers and based on requirements of Coast Guard and Lighthouse Authorities for public and private nav aids.

Built for Reliable Service

The TF-3AC includes a fail-safe sunswitch and a lampchanger that accommodates six prefocused marine lamps. Each unit contains solid-state control electronics and a transformer/rectifier, all coated to withstand the marine environment and sealed in a watertight polyester canister. Gold-plated contacts on circuit cards and lamp contact areas assure maximum resistance to corrosion.

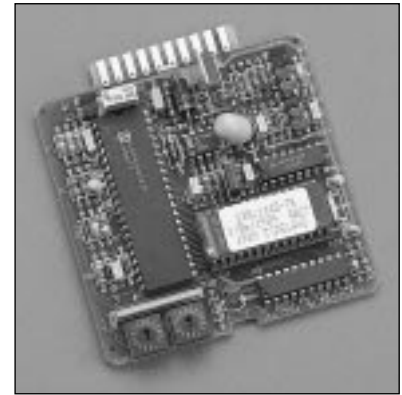
Increased Lamp Life

The TF-3AC is equipped with a lamp power control circuit that can increase lamp life over 250%. Input voltage to the lamp can be factory set at values between 10.3 volts and 12 volts. During operation, the power control circuit regulates input voltage to the lamp at a preset value. As a result, the life of each lamp can be extended to 8,000 hours. Total life expectancy for six Tideland Signal marine lamps is then more than 48,000 operating hours.



The sunswitch, which can be mounted in a weatherproof cable gland bushing attached on the exterior of the lantern base, turns the lamp off during daylight hours and on again at night. The sunswitch threshold is adjustable to activate at desired light levels and will not sense the fixed burning lamp as sunlight. Fail-safe sunswitch circuitry assures continued light operation even if the sunswitch fails.

The motor-driven lampchanger automatically relamps after each lamp burnout.



Replaceable plug-in circuit cards simplify field repair of the TF-3AC flasher/lampchanger. Left, power control circuit. Right, flash code timer.



TF-3AC in ML-155 MaxLumina® marine signal lantern.

Specifications

Input Voltage:	120 or 240 VAC, 50 Hz or 60 Hz (jumper selected)
Lamps:	Marine type; prefocused base; S-8 size; 12 volts, 0.25 ampere through 0.77 ampere Marine type; prefocused base; T-2.5; 12V-10W Quartz Halogen Lamp
Operating Temperature:	- 40°C to + 70°C
Humidity:	0 to 100%
Storage Temperature:	- 55°C to + 85°C
Electrical Contacts:	Gold-plated throughout

Purchase Description

PN 751.1027-02: TF-3AC Flasher with microprocessor-based timer and regulated lamp power control. Voltage to lamp is preset to 11.2 VDC unless otherwise specified. Please specify input voltage of 120 VAC or 240 VAC, lamp size, and flash character.



Tideland Signal Corporation maintains ISO 9001 accreditation. It is company policy to provide products and services that meet the highest standards of quality in the industry.

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