



# FLAC-300/LC-300

*Flasher/Lampchanger*

The Tideland FLAC-300/LC-300 flasher/lampchanger is a completely automatic 120-volt AC, solid-state flasher and four-place lampchanger for use in a marine lantern. Although the LC-300 lampchanger can be used independently for fixed (steady-burn) lights, in flashing applications it is teamed with the FLAC-300 flasher.

The FLAC-300/LC-300 combination flashes a T-3.5 or T-4, quartz-halogen marine lamp to any of 256 user-selectable codes. A Code Selection Guide is provided with each unit. The FLAC-300/LC-300 can be used with most marine signal lanterns, and all of Tideland's MaxLumina® lanterns. A single unit can be operated independently or can be synchronised with other AC or DC flasher units.

The FLAC-300/LC-300 using the OMNIBUS® flasher/timer circuit board provides maximum flexibility of use and reliable, low-cost operation. The OMNIBUS flasher/timer circuit board is a general-purpose light beacon controller with timer as well as external monitor and control functions. The FLAC-300/LC-300 has the following features and options:

- Replaceable, plug-in circuit boards to minimise field repair time and spare parts inventory.
- Multiple units flash in unison when each is set to the same flash code and the sync terminals are connected.
- Solid-state electronics coated to withstand the offshore environment and sealed in a watertight non-metallic canister.
- Built-in protection against damage if the input voltage is accidentally reversed.
- An external sunswitch mounted in a cable gland bushing in the lantern base.



## EXTERNAL MONITORING AND CONTROL

The OMNIBUS flasher/timer circuit board provides remote monitoring and control via Tideland's NavLink® system. It will monitor and report the status of the active flash code and the flash code switch setting. The following control functions are available:

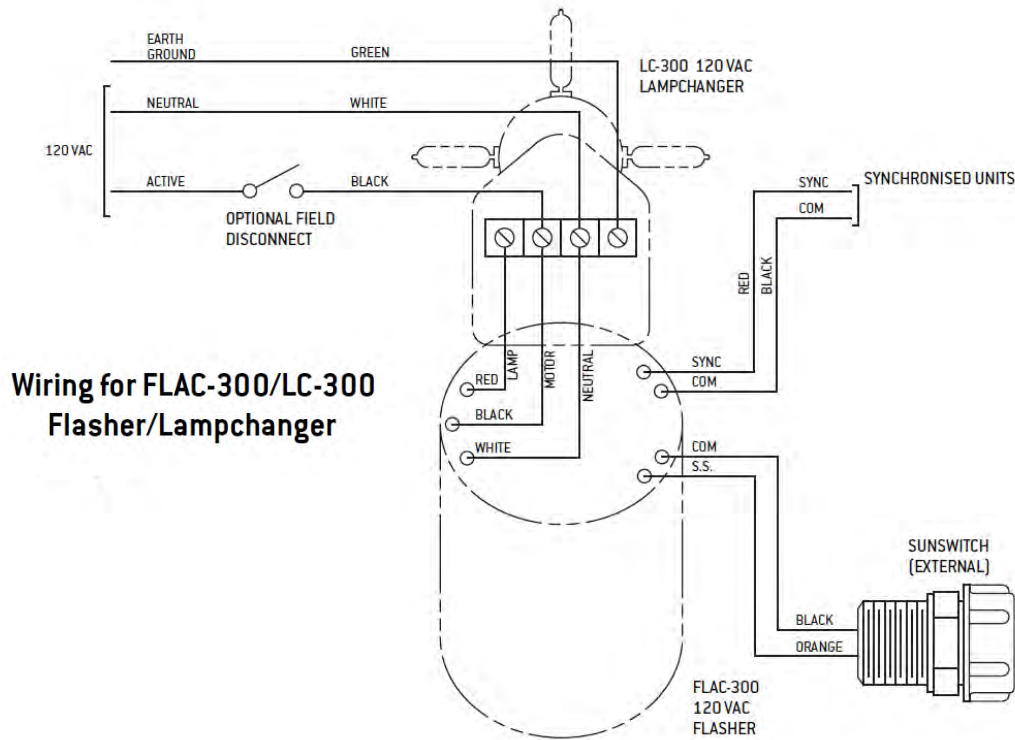
- Enable or disable flash code.
- Remotely program an alternate flash code.
- Remotely enable primary or alternate flash code.

# SPECIFICATIONS

Input Voltage	120VAC, 50–60Hz
Flash Codes	256 pre-programmed codes, field-selectable
Lamps	125V/100W, CC-8, T-3.5; 120V/150W, CC-8, T-4; 120V/250W, CC-8, T-4 (All lamps are Double-Contact Bayonet, Quartz Halogen. The ML-155 and ML-140 lanterns accommodate T-3.5 lamps only.)
Synchronisation	ASCII serial sync, Positive or Negative sync
Relative Humidity Tolerance	5% to 100%, non-condensing
Operating Temperature Range	-20° C to +70° C
Sunswitch Setting (Lamp ON)	adjustable
Timing Error	0.1% maximum
Lamp Contacts	Gold-plated
Internal Voltage Drop	0.3V maximum at 10.0 amps

NOTE: Specifications are subject to change.

## FLAC-300/LC-300 PROVIDES MAXIMUM FLEXIBILITY OF USE AND RELIABLE, LOW-COST OPERATION



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