



## **E-TRAK™ MARINE** Battery Management System

### Installation Instructions Model 3000

**Must have good mechanical skills or please have professionally installed.**

Model 3000 is for boats with both start and house batteries

The start battery is only for starting. The house battery is for all electrical loads

E-Trak Marine protects the start battery while electrical loads are draining the house battery. Boats with only one battery or battery pack should use Model 2000

The mounting location of the E-TRAK assembly should be mounted close to the batteries keeping the added battery cables as short as possible. This will keep the cable voltage drops to a minimum.

Find a surface you can mount the unit too. Do not drill into outer hull. Check first before drilling.

- 1) Pre drill the holes for the mounting screws use a 3/32" drill bit 3/8 of an inch.
- 2) Remove the ground cables from both batteries.

- 3) Install a new battery cable between the positive (+) post of House battery and the contactor post marked "A2-" (left side post in photo).
- 4) Install a new battery cable between the positive (+) post of the start battery and contactor post marked "+A1+" (right side post in photo).
- 5) Connect yellow 18 gauge wire to the ignition switch ( must be hot in the ignition position of key).
- 6) Install dash light between an available ground point and the Orange wire from E-Trak Marine.
- 7) Reconnect the ground cable to start battery along with the black wire from E-Trak Marine.
- 8) Reconnect the ground cable to the house battery.
- 9) **If the boat has a dual circuit manual switch it should be left in the ON position. E-Trak will be disabled if the switch is in Combined Battery position.**

*Red and Green lights on E-Trak will blink and then go into operation.*

*The Green light flashes periodically in normal*

*operation with the key off.*

#### **Parts list included with Unit**

- E-Trak Marine and contactor mounted on installation plate
- Red Dash Light to be mounted near key switch
- Wire ends with heat shrink for connecting Orange and Yellow wires from E-Trak Marine
- "Two 18"" battery cable - 2 GA, Red "
- Adaptor of SAE Battery posts if required
- Stainless steel mounting screws and washers
- Installation Instructions sheet

#### **What is needed to install**

- Heat source to shrink tubing at wire
- Drill and 3/32 drill bit
- Phillips Screw driver or bit
- 13 mm wrench or socket to tighten terminal posts (torque to 10 Nm or 90 in-lb max)



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