

SAFETY MODULE 12A EMERGENCY BATTERY (GMDSS)

It includes:

- 1 240 x 130mm silkscreen plate.
- 4 3.5 x 16 screws
- 2 Green led state batteries
- 1 Green led auto mode
- 2 Yellow led manual batteries
- 1 Manual / automatic selector
- 1 Emergency battery voltmeter
- 1 Emergency battery ammeter
- 1 Buzzer stop button
- 1 Resettable output fuse
- 1 Instruction manual

OPERATION:

When connecting the module in AUTOMATIC mode it analyzes the state of the batteries and if they are correct it emits 3 beeps, turns on the status LEDs and supplies the radio with the service battery.

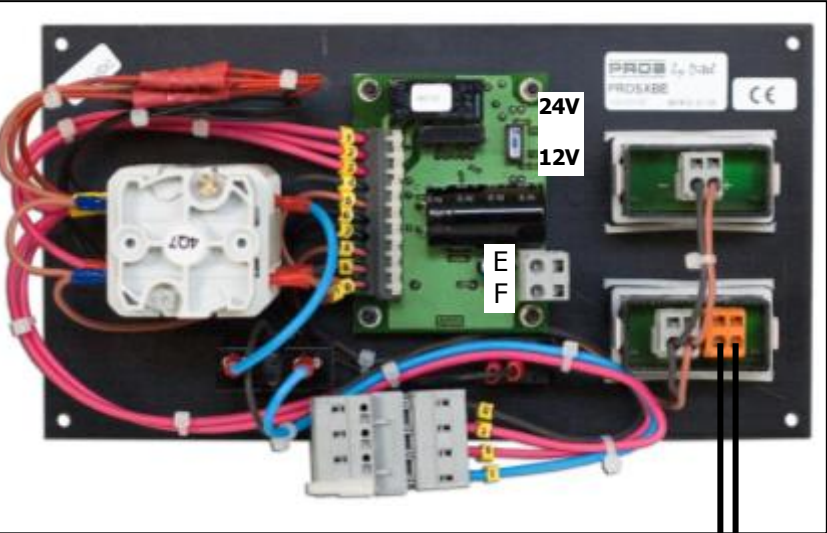
When the module detects that the service battery is below 24V or 12V, as the selection switch is set, the radio is switched to the emergency battery, the *service status* LED flashes and the buzzer is activated.

When the module detects that the emergency battery is below 25.0V (or 12.5V), the *emergency status* LED flashes, it activates the buzzer and in case of use also the load relay.

The buzzer can be canceled by the "STOP" button but, if the battery status does not change, it will be reactivated after 59m.

If the service battery recovers and exceeds the switching voltage by 0.5V, the module will switch the radio back on the service battery.

By means of the front selector we can force to work directly on emergency or on services, in the later case the module will be disconnected.



CONNECTIONS

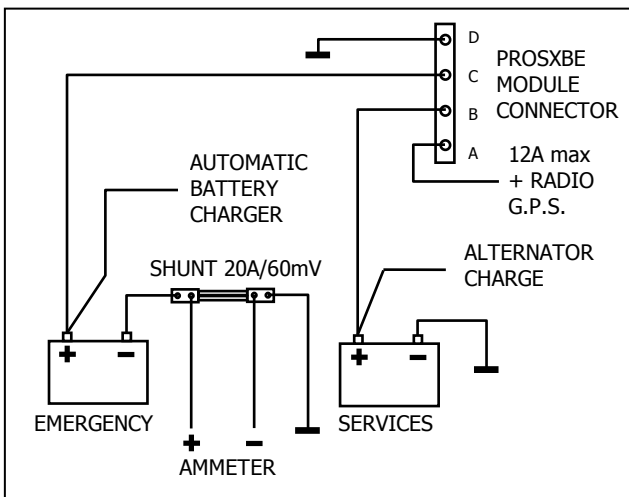
- A (BLUE):** +RADIO/GPS
- B (RED):** + SERVICE BATT.
- C (RED):** + EMERG. BATT.
- D (BLACK):** - NEGATIVE

OPTIONAL BATT. CHARGE RELAY

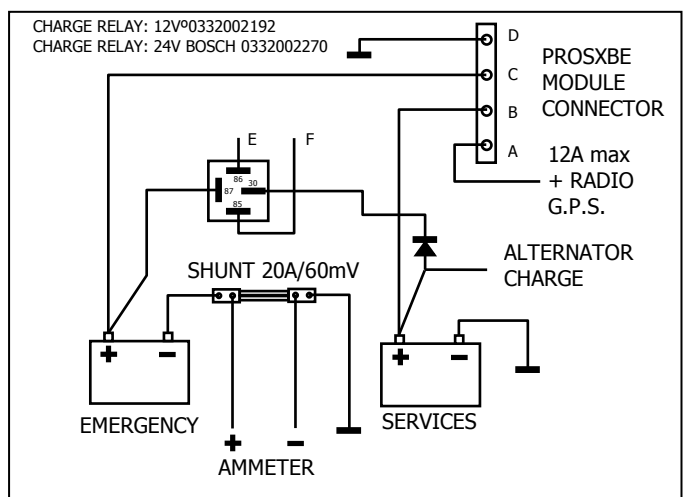
- E: COIL**
- F: COIL**

- +
EMERG. BATT. SHUNT

EMERGENCY BATTERY CHARGING BY AUTOMATIC CHARGER



EMERGENCY BATTERY CHARGING BY ALTERNATOR WITH RELAY OF CHARGE INTERRUPTION CONTROLLED BY PROSXBE



PROS MODULAR SYSTEM



E: El sistema de cuadros eléctricos **PROS** by Ditel se compone de módulos de cuatro tamaños, con diferentes opciones que permiten realizar cualquier tipo de combinación, obteniendo el panel de control ideal.

F: Le système de tableaux **PROS** by Ditel est composé de modules existant en 4 tailles avec différentes options permettant ainsi tout type de combinaisons pour composer le tableau de contrôle idéal.

GB: The **PROS** by Ditel switchboard panel consists in a smart combination of panels of 4 complementary sizes. The modular system is quick to assemble and easy to install. Each panel can be equipped with a large array of electrical components.

PROXBE ASSEMBLY INSTRUCTIONS

Connect the shunt of the emergency battery charging / discharging ammeter to the negative terminal of the emergency battery.

Connect the two shunt measurement wires to the ammeter using the two pin orange connector, respecting the polarity indicated in the diagram.

In case the emergency battery is charged with an auto charger, use the wiring diagram without load relay.

If the emergency battery must be charged from the same alternator as the service battery, use the load relay diagram which will disconnect the charging current after approx. 1 minute from reaching 28.8V in case of 24V batteries and 14.4V in case of 12V batteries.

The service battery and the emergency battery must be of the same voltage, 12V or 24V and the marked dip-switch must be placed in the corresponding position before powering the module.

Connect the four wires to the gray connector of the module according to the diagram.

The maximum output current to power the radio and GPS is 12A and is protected by a resettable thermal fuse.

Fix the module to the panel using the 3.5 x 16 screws (11248616) or the joints (PROSCRUZ or PROSTE) using the M4 x 8 screws (11158608).



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GARANTÍA

Nuestros productos están garantizados contra cualquier defecto de fabricación o fallo de materiales por un periodo de **3 AÑOS** desde la fecha de su adquisición.
 En caso de observar algún defecto o avería en la utilización normal del producto durante el periodo de garantía, diríjase al distribuidor donde fue comprado quien le dará instrucciones oportunas.
 Esta garantía no podrá ser aplicada en caso de uso indebido, conexionado o manipulación erróneos por parte del comprador.

El alcance de esta garantía se limita a la reparación del aparato declinando el fabricante cualquier otra responsabilidad que pudiera reclamarse por incidencias o daños producidos a causa del mal funcionamiento del producto.

GARANTIE

Nos produits sont garantis contre tout défaut de fabrication ou de composant pour une durée de **3 ANS** à partir de date de leur acquisition.
 En cas de constatation d'un quelconque défaut ou avarie dans l'utilisation normale du produit pendant la période de garantie, en référer au distributeur auprès duquel il a été acquis et qui donnera les instructions opportunes.

Cette garantie ne pourra s'appliquer en cas d'utilisation inadéquate, mauvais raccordement ou utilisation hors des critères que nous recommandons.

L'attribution de cette garantie se limite à la réparation ou au strict remplacement de l'appareil. La responsabilité du fabricant est dérogée de toute autre obligation et en particulier sur les dommages causés par un appareil défectueux.

WARRANTY

All products are warranted against defective material and workmanship for a period of **3 YEARS** from date of delivery.

If a product appears to have a defect or fails during the normal use within the warranty period, please contact the distributor from whom you purchased the product.

This warranty does not apply to defects resulting from action of the buyer such as mishandling or improper interfacing.

The liability under this warranty shall extend only to the repair of the product ; no responsibility is assumed by the manufacturer for any damage which may result from its use.