

BATTERY SEPERATOR

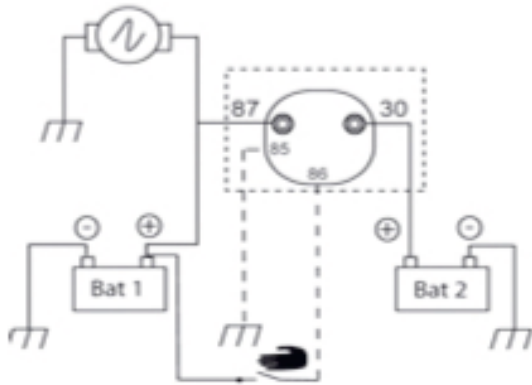
Users Manual


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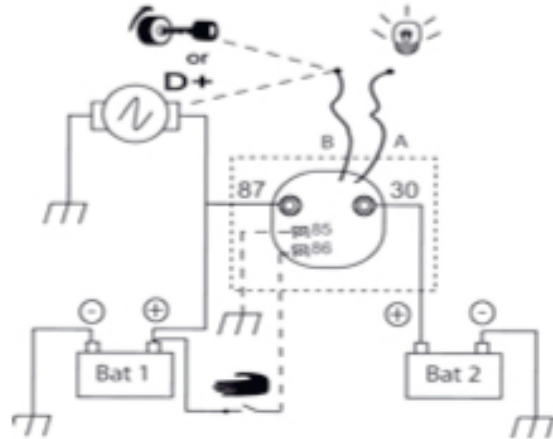
1 MOUNTING SCHEMA


Mounting schema :



 : alternator
 Bat 1 : main battery
 Bat 2 : auxiliary battery

Schema with options :



 : alternator
 Bat 1 : main battery
 Bat 2 : auxiliary battery

Legend

	SB 12135 01 SB 12165 01 SB 24135 01	SB 12165 02 SB 24135 02
87	+ Main Battery	+ Main Battery
30	+ Auxiliary Battery	+ Auxiliary Battery
85	Ground	Ground
86	Manual Linkage	Manual Linkage
A (black)		DEL
B (red)		+ APC or D + alternator

2 GENERAL CHARACTERISTICS

The battery separator is an essential component for all types of vehicle (boats, camping cars, ambulances, etc.)

The role of the battery separator

- Protection of the main battery against deep discharge with the objective to guarantee the starting of your vehicle in any circumstances.
- Allowing the recharge of the batteries (main + auxiliary) via the alternator.

For all the rest, the following abbreviations will be used :

- Bat1 : main battery
- Bat2 : auxiliary battery

The TECSUP battery separators exist in 3 different models, each of them have common characteristics. Certain versions are available with special options.

References	SB 12135 01	SB 12165 01	SB 12165 02	SB 24135 01	SB 12135 01
Functionalities					
Relay closes if U Bat1 > 13,4V	x	x		x	
Relay closes if U Bat1 > 13,4V and if + APC			x		x
Relay opens if U Bat1 < 12,6V	x	x		x	
Relay opens if U Bat1 < 12,6V or if absence + APC			x		x
Manuel linkage of 2 batteries : forced closing of relay	x	x	x	x	x
Relay state (black wire) : +12V = relay closed 0V = relay open			x (5 mA Max)		x (2,5 mA Max)
Option	SB 001				
Kit 2xreductions 6/8 mm + accessories	x	x	x	x	x

The option + APC or D+ alternator allows the opening of the relay (stand-by position) when the vehicle stops, thus guaranteeing the prolonged life of the battery.

3 MOUNTING PRECAUTIONS

Install if possible the battery separator vertically, in a place ideally protected from water splashes with the connections towards the bottom.
Power cable sections to be respected: 25 mm² for a maximum length of 2m. A section of 1 mm² is enough for ground.

4 WARRANTY

The product has a 2 year warranty, parts and labor.