



SM155b VEHICLE ACCESSORIES TIMER

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Manufactured in Australia by Alian Electronics Pty. Ltd.
408 Old Sale Rd. Drouin West 3818 Ph. (613) 5625 2545
information is available at www.alianelectronics.com.au



The SM155b Vehicle Battery Timer uses a microprocessor to automatically turn on Radio's, CB's, Fridges etc. when the vehicle engine has started.

A timer will power down this equipment 9 or 90 min. (selectable) after the vehicle engine has stopped.

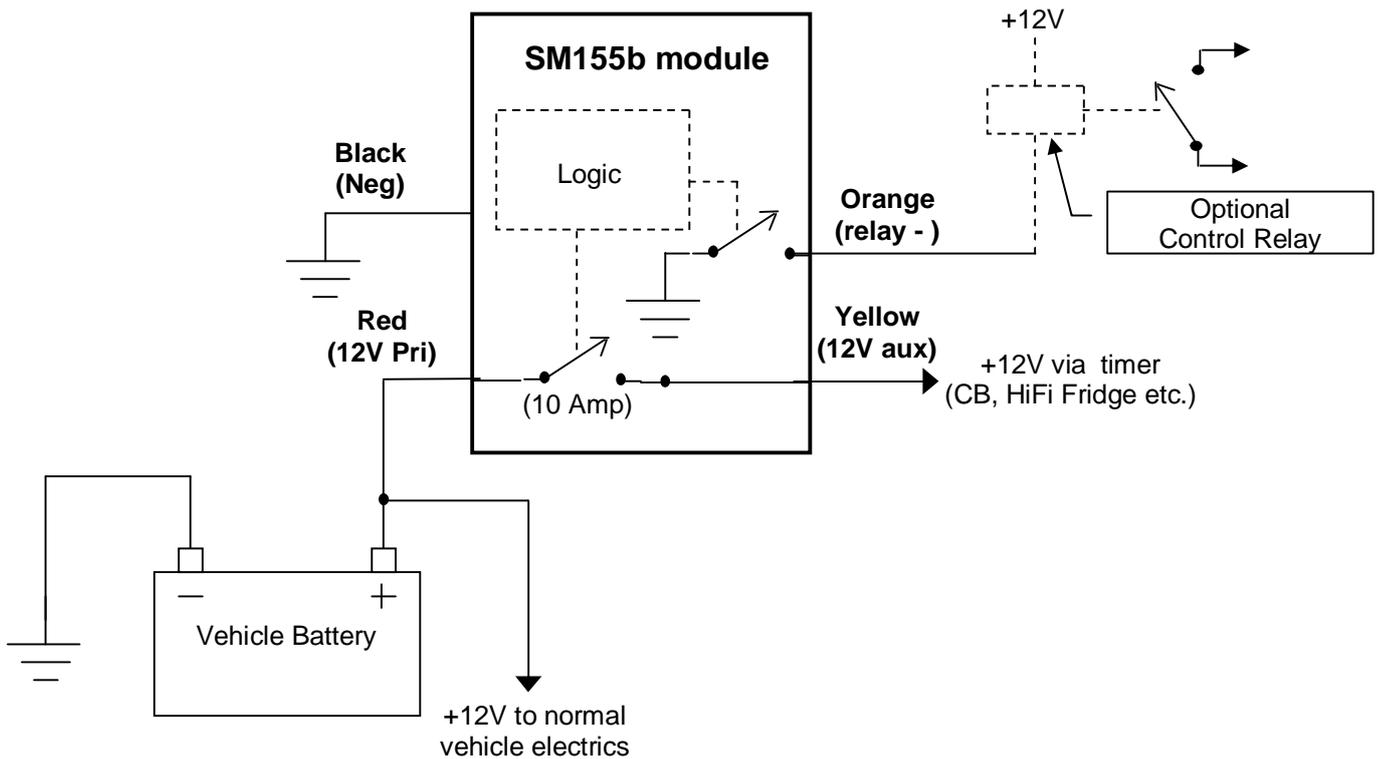
***You can leave critical equipment turned on in your vehicle,
and know that you won't flatten your battery***

- The unit monitors the car battery voltage. When it decides that the engine is charging the battery An internal **10 Amp** relay operates to connect power to your equipment.
- When the engine *stops* a timer is started. (this is selectable between 9 and 90 minutes by a jumper link inside the unit) When the time cycle is complete.
- A small beeper inside sends an 'X' in Morse Code when the timer is started and the letters 'AR' when the Auxiliary Relay is turned OFF.
- A push button switch allows the user to manually override the timer to force the Appliance **On** or **Off** if required. (In case the operator forgets, This manual function will be automatically overridden the next time the vehicle is started.)
- The unit has a simple one wire to battery, one wire to your auxiliary equipment and one wire to vehicle earth' for the electrical installation.
- Draws a low **3.6ma** standby current from the vehicle battery.

SM155b Typical Wiring example

The module simply connects between the '+' and **negative ground** terminals of the vehicle battery. All appliances, (radio, 12V fridge etc.) connect to the Yellow output wire. (10 amps maximum)

The Orange wire can be used to activate a standard auto relay that can be used to switch high-current devices that should not be left on for extended periods, like reversing or driving lights. This output is an electronic switch that will send a **Negative** signal (1A max) when the engine is running. The timer will deactivate the circuit **1 minute** after the vehicle has stopped.



An LED indicator shows when the unit is active. A second LED indicator shows when the manual override for these features have been engaged after the Aux Timer button has been pressed. (The *Manual Override* control will automatically disengage the next time the vehicle is started. This prevents the output from being latched on indefinitely.)



Front view of the SM155b timer module