



SM155 - Combined 200 Amp VEHICLE BATTERY LINKER and ACCESSORIES TIMER

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The SM155 Battery Linker uses a microprocessor to manage the CHARGING of a SECOND BATTERY IN MOTOR VEHICLES.

This unit also features a timer function to power down radios, fridges etc. 9 or 90 minutes after the vehicle engine has stopped.

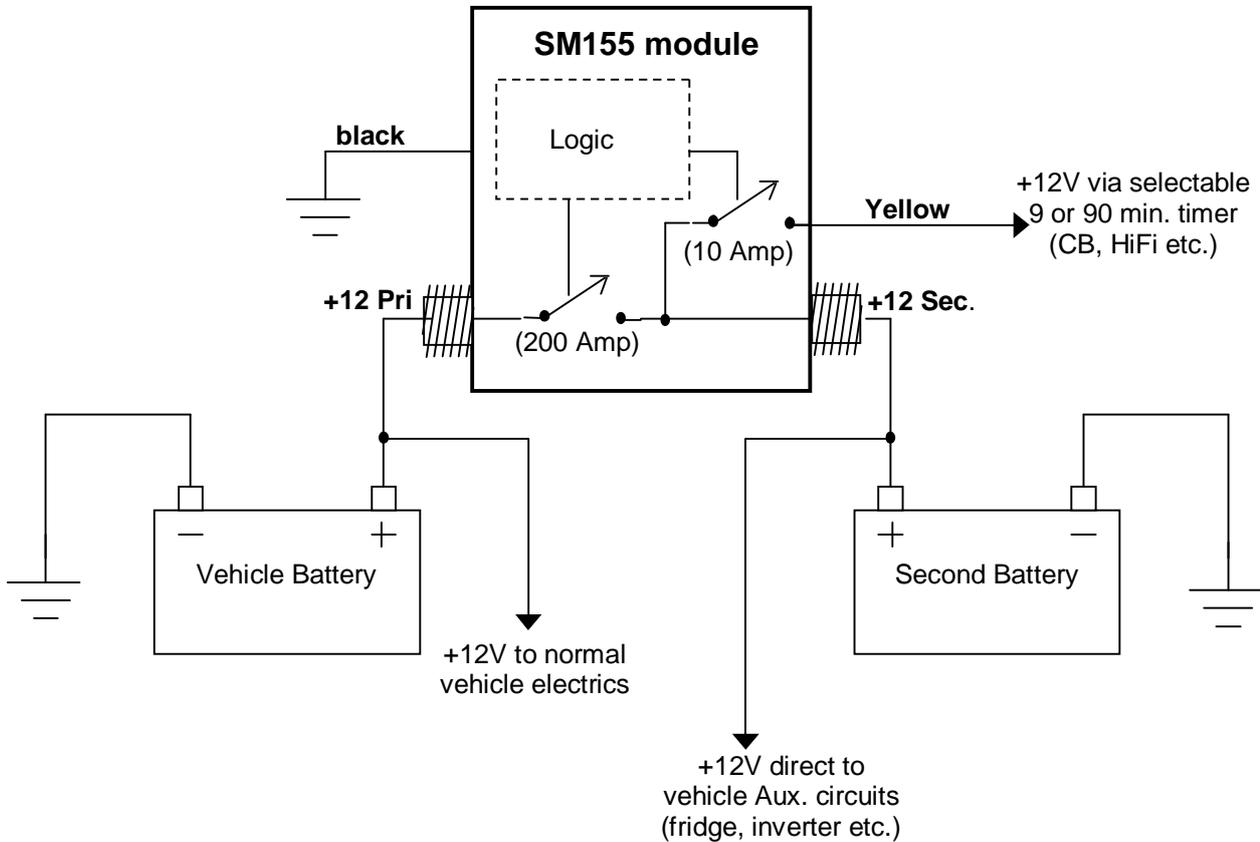
***You can leave critical equipment turned on in your vehicle,
and know that you won't flatten your battery***

- A **200 Amp** contactor automatically operates to connect a second vehicle battery to your vehicle charging system as soon as your engine is started.
- Batteries are automatically isolated **1 minute** after the engine stops.
- A push button switch allows the user to jump-start the car from the second battery if the main battery goes flat. (if for example, the car headlights had accidentally been left on.)
- The unit has a simple one wire to each battery and one wire to vehicle earth' electrical installation.
- The second (**10 amp**) timer output is present to supply other equipment from the backup battery such as communications gear, GPS, Hi Fi, camping refrigerators. The equipment is activated whenever the engine is started, and is shut down **90 minutes** after the engine has stopped. This useful feature stops the unwanted flattening of batteries by neglecting to turn equipment off. (an alternative time delay of **9 mins** can also be selected)
- A push button switch allows the user to manually override the timer to force the output **ON** for continuous operation of the vehicle equipment
- Draws a low **3.6ma** standby current from the vehicle battery.

SM155 Typical Wiring example

The module simply connects between the '+' terminals of both batteries via a heavy duty cable and an earth cable is connected to the vehicle chassis.

The Yellow wire can be used to supply vehicle accessories (Radio, GPS etc.) that would normally flatten the vehicle battery if left on for extended periods.



Two LED indicators show when the **Battery Linking** is active and when the **Auxiliary Timer** is active. Two more indicators show when the manual override for these features have been engaged. (The *Manual Override* controls will automatically disengage the next time the vehicle is started. This prevents the output from being latched on indefinitely.)



Please note that the manuals for some modern vehicles advise against jump-starting or battery linking devices due to the perception that voltage spikes from switching a second battery may disrupt other equipment within the vehicle. While no evidence of this problem has been observed with the SM155, users should consult their car manual or contact their vehicle dealer if unsure about suitability of this product for their use.