



Eliminate Jumpstarting

Inverter Shut-off Timer

VSS-TVM

VSS-TVMH60
VSS-TVMH90
VSS-TVM360

60 Minute Timer
90 Minute Timer
360 Minute Timer

Recharge battery operated tools when the vehicle is parked and unattended. Always have fully charged tool batteries after lunch and at the start of the day.

When the vehicle's ignition is turned off, VSS-TVM allows the inverter to operate for 60 or 90 minutes. The VSS-TVM automatically turns off the inverter when the battery voltage drops to 11.8VDC. The TVM assures there is ample energy in the vehicle's battery to start the vehicle.

The TVM360 provides 6 hours (360 minutes) of power from an auxiliary battery to operate DC loads like Traffic Sign Boards. The TVM360 is an economic, simple, and reliable idle-reduction device that can be installed in any 12V electrical system.

Designed for Easy Installation

- Operates with most inverters.
- Installs on all make and model vehicles.
- Can easily be retrofit on existing vehicles in the fleet.



An economical alternative to complex and unreliable battery protection devices.

ELIMINATE DEAD BATTERIES / IMPROVE VEHICLE STARTING RELIABILITY



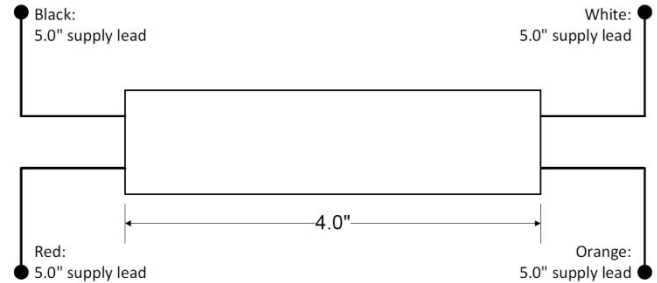
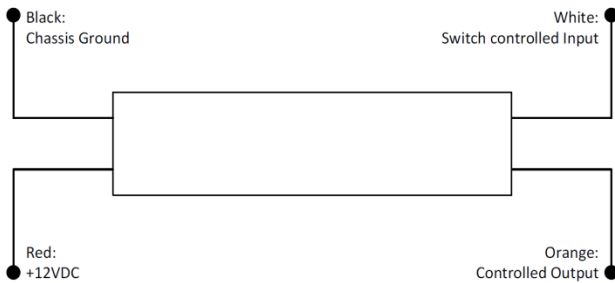
GENERAL

The Vanner VSS Series Timer/Voltage Module is designed to operate in the cab of any vehicle. The Timer Module is preset depending on the module purchased. When the supply voltage to the switched input drops below +12.9Vdc the timer will begin. In addition to every Timer module the Low Voltage Monitor section monitors the supply voltage, if the supply voltage drops below 11.8VDC it will disconnect the load to prevent the drain on the battery to the point of a no start situation. Once the timer or low voltage is tripped the vehicle must be restarted, or voltage increases above +13.2Vdc, for the timer to reset. The module can be added to any switched +12Vdc control component that needs to be timed and to protect the chassis battery from a damaging discharge. If the switched control is not desired then tie the Red and White wires together and the timer/low voltage will control the load as soon as the engine is turned off and the voltage falls below the preset limit.

SPECIFICATIONS

Temperature Range:	-40°F to +104°F (-40°C to +40°C)
Supply Voltage:	14.2Vdc
Supply Current:	12mA
Timed Delay:	VSS-TVMH60 ~ 60 Minutes
	VSS-TVMH90 ~ 90 Minutes
	VSS-TVM360 ~ 360 Minutes
Weight:	< 1.0 Lbs.
Max Output Supply:	950mA

Electrical Connection



Installation Notes:

The battery and switched supply inputs should both be protected with a 2A fuse.

800-AC POWER

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