

Starter Motor Protector

The SMP (Starter Motor Protector) protects the starter motor and battery.

Operation:

Cranking:

The SMP will allow a maximum of 12 seconds crank time. This can be continuous or in multiples of shorter period until 20 seconds is reached.

Cool Down Period:

The cool down period of 120 seconds activates when the crank time of seconds is reached. During this time cranking is prohibited. After the 120 seconds has elapsed cranking can commence again. The unit will measure battery voltage at every start-up and every 10 seconds thereafter while the ignition is on. When the battery voltage is below the limit, cranking will be inhibited until the battery is charged or changed.

Cranking is prohibited while the engine is running, providing mechanical protection to starter & ring gear.

The unit will not reset if the ignition is turned off and back on again whilst in the cool down period. The unit will only reset after ignition has been off for more than 120 seconds.

Features:

- 12 seconds allowable cranking
- 120 seconds cool down period when cranking is prohibited
- High side driver (supplying 12V or 24V) output
- Low side driver (supplying ground) output
- System voltage LOW indicator
- 12 volt system – 10 volt cut-out
- 24v volt system – 18 volt cut – out
- Cool down period indicator

