

SS-GM-02

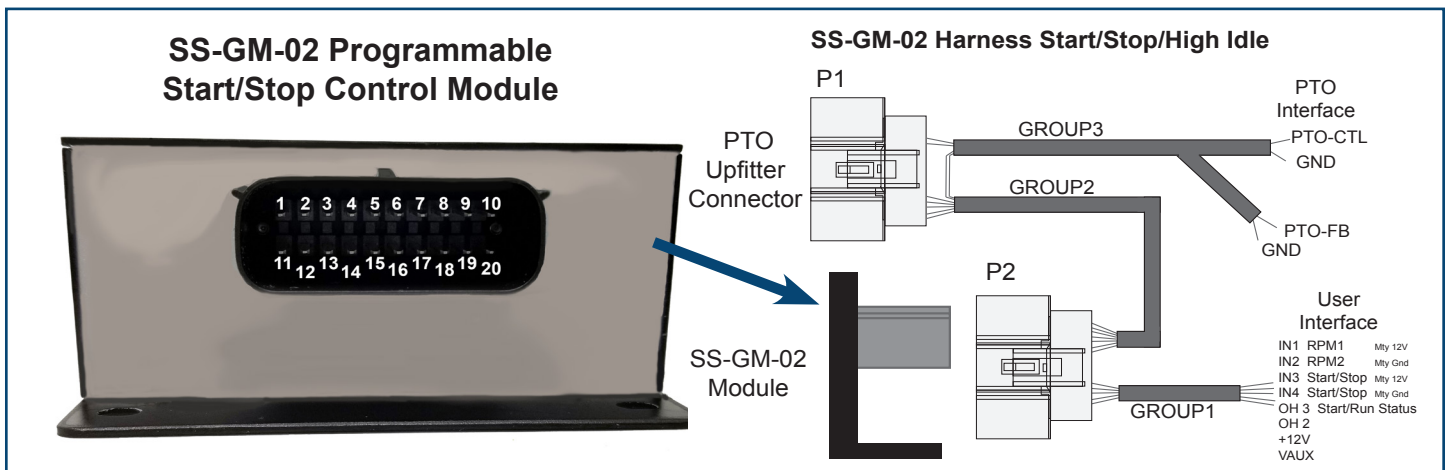
GM Start/Stop/High Idle Control Module for (Diesel Only) GM C4500-6500 and Navistar CV



Key Features

- Selection of Two Selectable RPM inputs via SS-GM-02 (values Programmed by GM Techtool); GM PTO Controller provides Standby RPM (default 950 RPM) when PTO is ON.
- Provides a clean, reliable Start/Stop/High Idle interface for 2019+ GM C4500 – C6500 and Navistar CV Vehicles with Factory Installed PTO Option and Remote PTO controls enabled.
- Plug and Play Harness connects to chassis PTO Upfitter connector - also provides blunt cut wires for the PTO connections (to address different PTO manufacturers).
- Compact Size with Frame Rail Mountable case.
- Designed to be waterproof to IP66 (Dust Proof, Hard Spray resistant).

System Diagram



Technical Requirements

1. The Chassis into which this SS-GM-02 Module is to be installed **MUST** be manufactured with the PTO Option and Remote PTO Controls Enabled.
2. It is imperative that the user is familiar with the GM Bulletin 120 for operation of Remote PTO Control, and what particular parameters are needed.
3. A Techtool must be used to enable the vehicle Remote PTO Option (factory default is Remote PTO disabled).

Technical Description

InPower SS-GM-02 Start Stop Series Module is designed to provide Start/Stop Functionality for (Diesel Only) GM 2019+ C4500 – C6500 and Diesel Navistar CV vehicles with the factory installed PTO Option and Remote PTO Controls Enabled (GM Bulletin 120).

With proper application of the SS-GM-02 GM Start/Stop Control Module, the user will be able to implement a reliable system that will provide integrated Start/Stop control of their GM chassis.

In addition, there are a wide variety of options that SS-GM-02 may be programmed to do. Since every application is different, please contact InPower for assistance in fully defining your particular application of the SS-GM-02 as to what sort of controls you need.

Ordering Information

Model	Inputs	Outputs
SS-GM-02	RPM1 - +12V True (Mty) RPM2 - GND True (Mty) Start/Stop - +12V True (Mty) Start/Stop - GND True (Mty)	Out 3 is Start/Run Status Out 2 (Not Used)

For Custom Configurations Contact InPowerLLC 740-548-0365

SS-GM-02

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Specifications

Power Input (BAT): +11 to 16 Vdc from Pin 15 Group 1
 @ 2mA Quiescent current (nothing driven)
 15 Amps Maximum

Ground (GND): Connection to vehicle ground
 (Battery/Negative) Through PTO
 Connector

Outputs: PTO-CTL 6A @ 12V
 OUT 2 6A @ 12V
 OUT 3 3A @ 12V

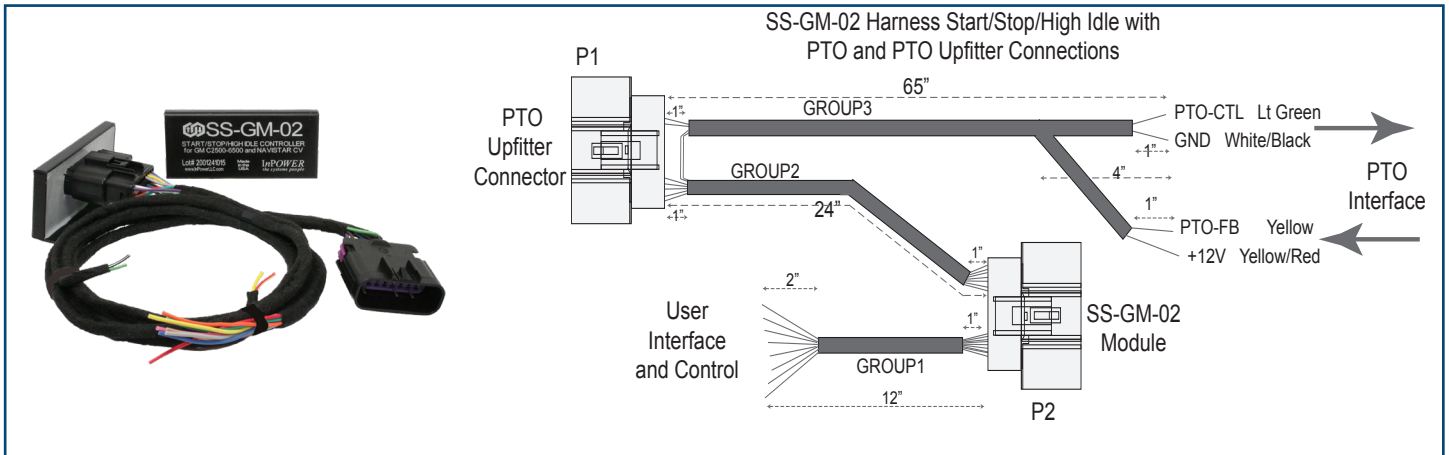
User I/O Group 1

Pink Wire	Pin 7:	IN1 - RPM1	- 12V True (Mty)
Tan Wire	Pin 8:	IN2 - RPM2	- GND True (Mty)
Violet Wire	Pin 9:	IN3 - Start/Stop	- 12V True (Mty)
Dark Blue Wire	Pin 10:	IN4 - Start/Stop	- GND True (Mty)
Orange Wire	Pin 11:	Start/Run Status	(OUT 3)
Dark Green Wire	Pin 12:	OUT 2	(Not Used)
Red Wire	Pin 15:	+12V Input	
Gray Wire	Pin 20:	VAUX input	

All Inputs (IN1-4) respond to a momentary pulse, either to +12V or to GND depending on the input.

Example: IN3 Start/Stop - the first momentary pulse to 12V will Start the Engine, the second to 12V will Stop the Engine.

Harness Drawing



Mechanical Drawing

