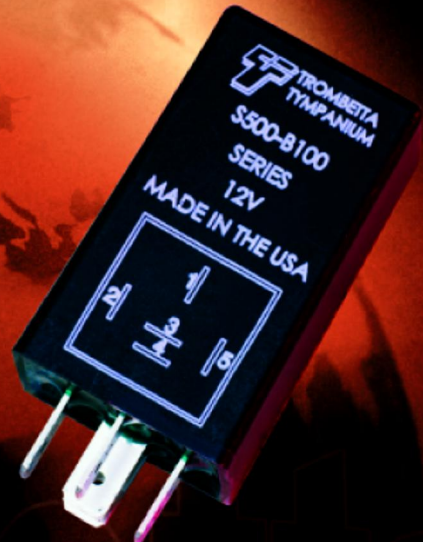


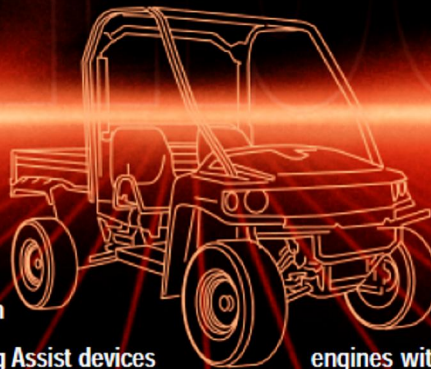
Trombetta #S500-B100-02

Diesel Pre-Heat Module

"Finally, an environmentally sealed device with timing, temperature sensing, and switching in a single, economical ISO package..."



Trombetta's Diesel Pre-Heat Module is a temperature sensing and timing module designed to provide optimum control of Diesel Engine/Cold Starting Assist devices such as glow plugs and air intake heaters. It includes a provision to drive common dash mounted indicator lamps.



Environmentally sealed, this robust and economical module enables cold-weather starting of diesel engines with loads up of 40 amps.

Customization for your specific needs is available.



Engineering Excellence. Worldwide Competitiveness.

Diesel Pre-Heat Module Family Specifications

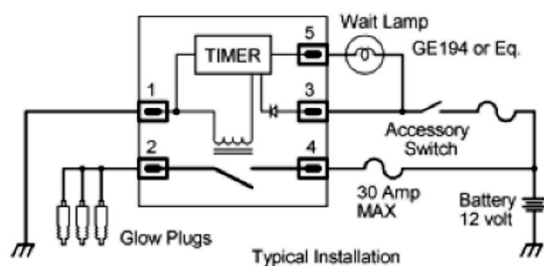
Housing	Nylon
Pin-Out Configuration	Standard ISO 7588-1 Pattern
Voltage Range	6 Volts DC to 18 Volts DC
Sealing	IP 66/67 Rating
Wait Lamp Output	Transistor output between Pin 1 and Pin 5. Maximum 400mA resistive load. Designed to drive a GE 194 lamp or equivalent.
Glow Plug Output	Relay contact between Pin 2 and Pin 4. Maximum 40A resistive load.
Transient Protection	30 volts - Protects the module from other components that may create voltage spikes.

Description of Operation

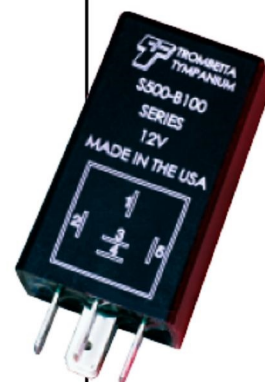
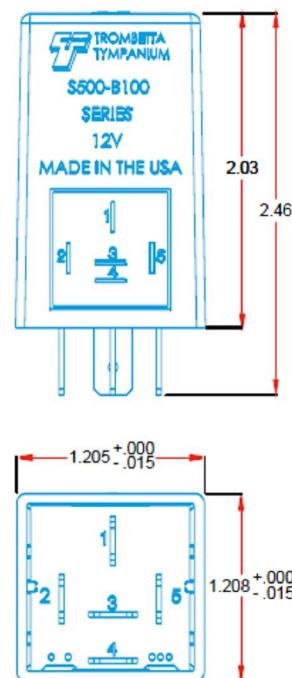
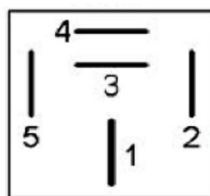
With key in the run position, an indicator light will turn on and remain on while the glow plug reaches the required pre-set temperature. After the light turns off the operator can turn the key to crank the engine. The glow plug will remain energized for a pre-determined time based on the ambient temperature.

On-Times Based on Temperature

Temperature	User Wait Lamp On-Time	Glow Plug On-Time
-20° C	9 sec.	30 sec.
0° C	6 sec.	22 sec.
20° C	4 sec.	15 sec.
40° C	1 sec.	8 sec.
60° C	Off	4 sec.
75° C or greater	Off	3 sec.



Foot Print



Trombetta's Diesel Pre-Heat Module directly replaces Delphi and Bosch Modules. Can be customized for your application.