

Electronic Throttle Module



Applications

- Ford 7.3 Liter *Power Stroke* Turbo Diesel Truck Engines
- Aerial Lift Trucks
- Air Compressor Systems
- Power Take-Off (PTO) Systems
- Hydraulic Drive Systems
- Service and Utility Trucks
- Emergency Vehicles
- Digger Derrick Trucks
- Power Inverter Systems

Key Features

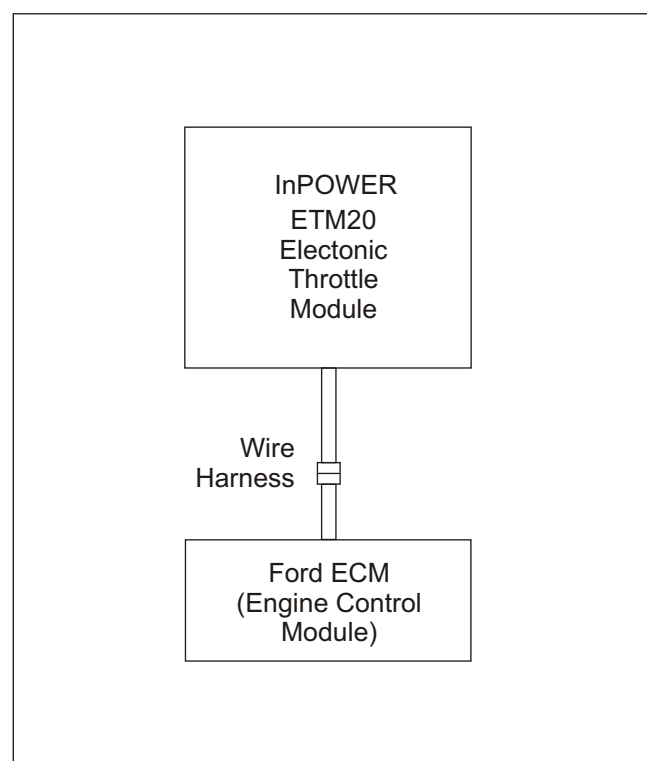
- Maintains battery charge at engine idle
- Direct interface to engine controller
- Licensed Ford patented technology assures compatibility and reliability
- Encapsulated electronics for maximum environmental protection
- Reads sensor information directly from engine controller
- Eliminates connections to sensors
- LED status indicators
- Includes interface cable to Ford ECM

Charge Protect Speed Control for Ford 7.3 Liter Turbo Diesel Truck Engines

The Model ETM20 Electronic Throttle Module is designed to provide charge protect control for trucks that use Ford 7.3 liter turbo diesel engines. The ETM20 interfaces directly to the Ford engine controller using a standard wiring harness. When the vehicle is at idle (emergency brake set and transmission in Park), the ETM20 will regulate the engine speed to maintain 14 volts at the battery, thus maintaining the battery's charge.

Five LED indicators are provided to display the selected operating mode, status, and error condition. The ETM20 is small in size (4" L x 2" W) making it easy to integrate into truck electrical systems. Connections are made with 0.25 inch Faston terminals and the unit is encapsulated to withstand severe environments. As the ETM20 interfaces directly to the engine controller it is not necessary to wire into engine sensors.

System Diagram



ETM20 Electronic Throttle Module

Specifications

Electrical

Input Voltage (+12V Terminal):
Input Current (+12V Terminal):

8 to 16 volts
37 mA

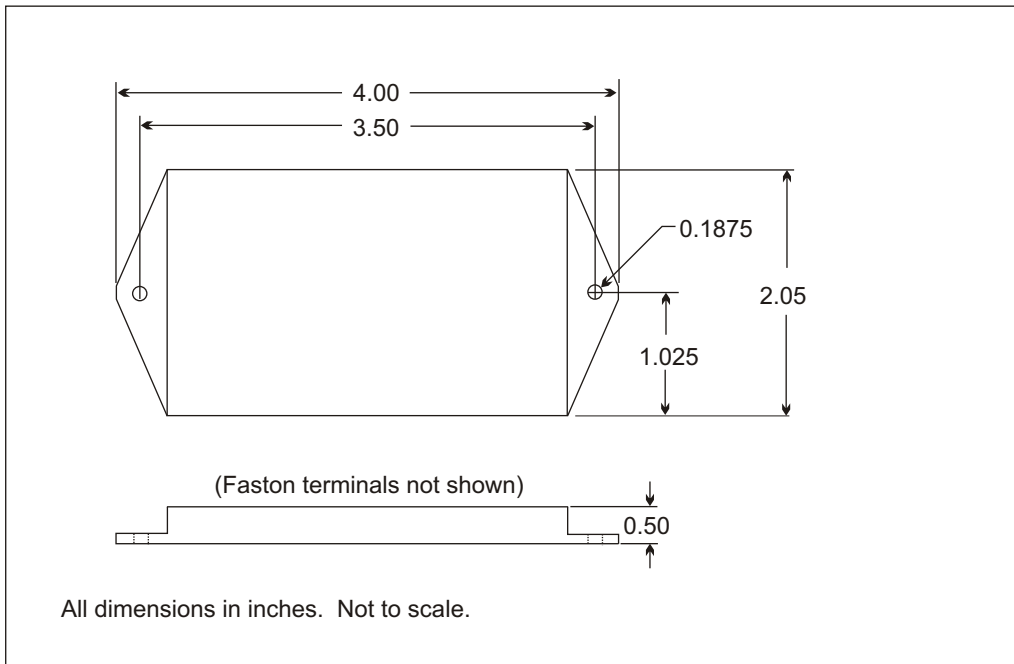
Mechanical

Weight:
Connections:
Case Material:
Encapsulation Material:

0.164 lbs
Faston 0.25 inch terminals
Cyolac thermoplastic
Epoxy potting compound, resistant to most fuels, oils, acids, and cleaning Agents.

Note - A five ft. Four conductor cable is supplied with the ETM20 that connects it to the Ford wiring harness' four-pin plug.

Mechanical Drawing



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Offered by: