

DBT-MDF20

Medium Duty Ford Throttle Control

See: http://www.inpowerelectronics.com/throttle_selector



Technical Description

InPower's Medium Duty application Data Bus Throttle (DBT-MDF20) does more than just provide high idle and PTO when and how you need it. It can also output any engine signal you need.

Each module has three adjustable RPM settings and two remote RPM controls, as well as six chassis outputs for any signal, such as Park, Reverse or Engine Run. The DBT-MDF20 provides breakout of PTO Signals for the user, and utilizes Ford SEIC functions and communicates across CAN. It can be wired to monitor auxiliary battery voltage, to a 0 to 5V sensor, or a 2nd (remote) accelerator pedal.

The module ships with two cables, one of which connects to the SDLC port, an optional sensor and power, and the other of which connects to all inputs and outputs, including PTO. Diagnostic LEDs aid in troubleshooting, while the lightweight, low profile design makes installation easy.

Features

- Three Selectable RPMs
- RPMs are Independently Adjustable and Store User Set Values Permanently.
- Utilizes FORD SEIC Functions
- Six Engine Signal Outputs
- CAN communication
- Diagnostic LEDs
- Affordable and Reliable

Available I/O Signals

- SEIC signals - T1, +12V VAux, ADJ, T2, and 5V
- Output Park (+12Vdc); On F750s: Neutral (+12Vdc)
- Output Park Brake (GND)
- Output Service Brake Output (+12V)
- Output Reverse (+12Vdc)
- Output Engine Run (+12Vdc)

Ordering Guide

Model Number	Vehicle	Notes
DBT-MDF20	Ford	
DBT-MDF20-C	Ford	Contact Inpower for Programmed Options Examples: Start/Stop, Auxillary Battery Monitor, Custom Chassis Signals

Note: Custom Modules available, if you need custom outputs or signals from the databus not available in our standard configuration.

For Additional Integration Information Please refer to the DBT-MDF20 OM-323 Owners Manual

DBT-MDF20

Medium-Duty Vehicle Throttle

Power Requirements & Notes

+12 volts: Sourced from SEIC connector
 Ground: Connects to Solid Battery Ground
 RPM1: 1500 Preset select - Pink Wire (Group 2 Inputs)
 RPM2: 1200 Preset select - Tan Wire (Group 2 Inputs)
 Speed Adjust Input: Adjusts preset RPM to desired value between 900 and 3000 RPM - (SEIC Max), (Chassis and Engine Dependent).
 Adjusting Preset RPM: Select RPM1, RPM2, etc to be adjusted with 12VDC, apply +12 to Grey Adjust Wire to increase, apply GND to decrease (50RPM per second) 25 rpm per bump (less than a second)
 Dimensions: 4.4 L x 2.62 W x 0.8 H inches

Chassis Ready Conditions:

1. Engine running at idle speed below 1,000 RPM.
2. No vehicle speed.
3. Automatic transmission in Park.
4. Service brake not depressed.
5. Accelerator pedal not depressed.
6. Parking brake set.
7. No Diagnostic Trouble Code (DTC).
8. Check Engine light must be off.

LED Status Indicators:

BUS Solid indicates bus communication
 RPM1 Indicates elevated fixed speed mode RPM1
 RPM2 Indicates elevated fixed speed mode RPM2
 RMT 0-5V Operating in Remote Adjust (remote accel)
 RMT PWM Not Used
 RPM STBY Stdby RPM setting
 PARK Service Brake Engaged
 PARK BRAKE Park Brake Engaged
 S BRAKE Service Brake Engaged
 V SPEED Vehicle Speed
 ACCELERATOR Accelerator Engaged

Mechanical Drawing

