



# EntelNet

## RUGGED. REMOTE. RELIABLE.

# EntelNet



### Standard Features

- No additional costs
- Send the engine and other critical data anywhere in the world to be diagnosed.
- Helps reduce warranty costs and can help lessen repair time.
- Data can be viewed on a secure website for remote systems diagnostics.

## Engine Monitoring and Alert Communications System.

The EntelNet™ service is a multi part system which combines the information received from the engine ECU (via CAN Bus), Analog (resistance, voltage, etc.) or Serial data (RS-232 for NMEA 0183, typical for GPS) and an over the air communications system, i.e. Wi-Fi (other services offered include GSM or Iridium satellite) to provide remote control and monitoring of on-board systems.

## WD100

### Wi-Fi Module Interface

Connected directly to the CAN Bus, Real-World data is sent by the EntelNet™ Wi-Fi module.

The data, GPS speed, Map position, Instrument data and CAN error code information is displayed in an easy to read application built for the Android® operating system or via the built in webpage which, can be view by any internet capable device i.e. Smart Phone, Tablet or Computer. No wires needed.



### Get the technicians involved.

Send the engine and other critical data anywhere in the world to be diagnosed.

Helps reduce warranty costs and can help lessen repair time.

- Step 1**  
(Connect to EntelNet™  
[web browser])
- Step 2**  
(Send e-mail)
- Step 3**  
(Response)



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Made in the USA

fm-001-0128 rev B 08/2017

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## Environmental Specifications

Shock (Non-operating):  
 50 +/- 2 G and a half sine duration of 11  
 +/- 2ms. per MIL-STD-202, Method 213

Vibration (Non-operating):  
 4 G peak, 10 to 200Hz  
 SAE J1455 Appendix A

Temperature:  
 Operating: -40°C to 85°C  
 Storage: -40°C to 85°C 50% RH

Humidity:  
 95% relative humidity @110°F (43°C) non-condensing

Salt Spray:  
 Front is Corrosion resistant per ASTM B117-73

## Electrical Specifications

Maximum Draw:  
 Transmitting: 325 mA  
 Receiving: 225 mA

Load Equivalency Number: 7

Reverse Polarity Protection:  
 Standard entire system

Load Dump:  
 Meets SAE J1113, 3 positive 80V transients  
 one minute intervals

Operating Voltage:  
 11.5-16 VDC standard

Over Voltage:  
 Withstands 18V continuously for one hour

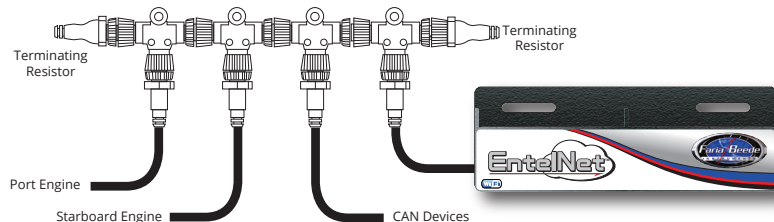
Output Signal Switching:  
 150 mA Max.

## Mechanical

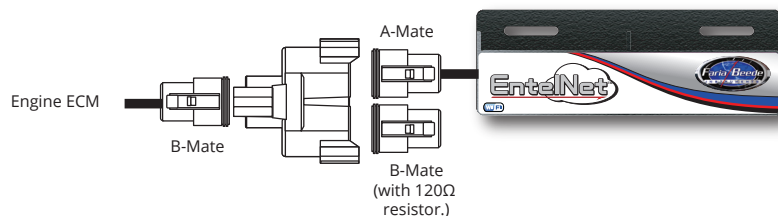
Sealing:  
 IP 67 compliant

## Wiring Connections

### Direct to NMEA CAN backbone



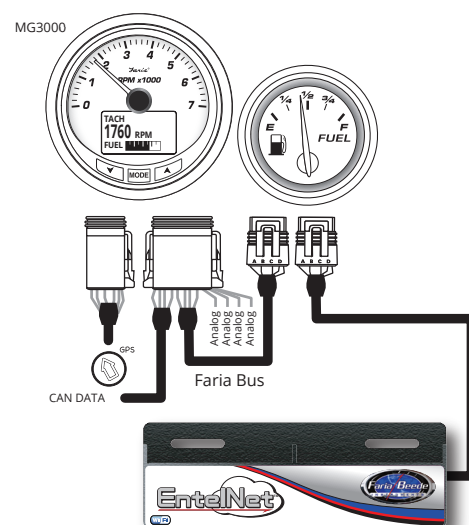
### Direct to J1939 CAN bus with Deutsch connectors



### Custom OEM solutions - Flying Lead or customer connector to the CAN bus



### Connected to Faria Bus



## Dimensions

