Part Number: 230-VM-EFIHOL

Holley Dominator CAN Interface Module

Module Configuration Setup:

Module Type: HOLLEY_DOMINATOR Serial Number: 501480

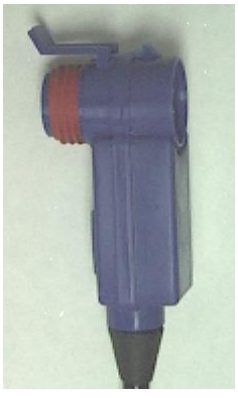
Channel #	Channel Name	V_Net ID #	EFI Variable	Default Units
1	EFI Engine Rpm	0x750	Engine Rpm	RPM
2	EFI TPS	0x751	Throttle Position	%
3	EFI Oil Press	0x752	Oil Pressure	PSI
4	EFI Water Temp	0x753	Coolant Temperature	DegF
5	EFI Speed	0x754	Vehicle Speed	MPH
6	EFI Gear	0x755	Gear Selection	
7	EFI MAP	0x756	Manifold Pressure	kPa
8	EFI Air Temp	0x757	Intake Air Temp	DegF
9	EFI Fuel Press	0x758	Fuel Pressure	PSI
10	EFI AFR Left	0x759	Left Side Air/Fuel Ratio	AFR
11	EFI AFR Right	0x75A	Right Side Air/Fuel Ratio	AFR
12	EFI AFR Average	0x75B	Average Air/Fuel Ratio	AFR
13	EFI AFR Target	0x75C	Target Air/Fuel Ratio	AFR
14	EFI Injector DC	0x75D	Injector Duty Cycle	%
15	EFI Injector PW	0x75E	Injector Pulse Width	ms
16	EFI Ign Timing	0x75F	Ignition Timing	DBDTC
17	EFI Voltage	0x760	Supply Voltage	V
18	EFI Fuel Flow	0x761	Fuel Flow	lbs/hr
19	EFI Baro Press	0x762	Barometer	kPa
20	EFI Knock Retard	0x763	Knock Retard	Deg

Description:

The Holley Dominator interface module is used to convert the CAN data stream from the ECU into a CAN bus data stream compatible with the RacePak V_Net System. Data from the module is then available for use with the full range of RacePak V_Net devices including on board displays, real time telemetry, and data logging applications. The module also provides setup capability to accommodate selection of scaling units, data logging sample rates and even custom sensor calibration. Up to 20 different EFI data channels can be monitored and recorded.

Module Installation:

The V_Net connector module can be inserted at any location in the V_Net data bus in your vehicle. Select locations where the connector module can be mounted safely. Avoid mounting near heat sources and high voltage ignition wires. The connector module must be mounted in a location that does not exceed 185°F or the module will be damaged.



Holley Dominator Wiring:

This module has been designed to plug in to the 2 pin Delphi connector on the Dominator CAN bus wire harness P1A or J3. EFI CAN connector kit, Holley P/N 558-412, may also be required.

Important: This module does not have an internal terminating resistor. You must insure that you have installed the proper terminating resistors on the Dominator CAN bus wire harness. Otherwise, the CAN bus will not function properly.

Holley Dominator Software:

You MUST upgrade to the "V2" software and firmware in your Holley Dominator ECU. Any ECU can be upgraded. Go to the web address http://www.holley.com/TechService/Library.asp and click on the "Fuel Injection" tab. Download the "V2 Update Instructions". Follow these and download other necessary files.

With the V2 software, the CAN outputs are configurable. To configure these, open the System ICF, select "Basic I/O", and select the "CAN Bus" tab. "CAN Bus 1" is the CAN output on the J1A connector. "CAN Bus 2" is the CAN output on the J3 connector. "Racepak" should be selected on the connector you have connect the Racepak V_Net module.

Software Setup and Module Configuration

Before you can use this module with a Racepak data logger you will need to update your Car Configuration File in your PC. To perform this step you will need to connect the data logger to your PC using the units serial interface cable (See your units instruction manual for details). Next start the RacePak DataLink program. If you selected the your car configuration file as the default configuration file, the file will be opened and the file tab for the car configuration file will be selected. If it is not, open your car configuration file by selecting the **Open Car Configuration** menu item located in the **Files** main menu selection.

Next apply power to your Racepak system and select the **Read VNET Config** menu item located in the **Edit** main menu selection. The DataLink program will read in the configuration of your system. If everything works properly, a new channel button will be added to the configuration file for each of the 20 data channels shown on the previous page.

IMPORTANT INFORMATION FOR V300 AND V500 DATA LOGGERS:

V300 Data Loggers Require Firmware Version 36 or Higher.
V500 Data Loggers Require Firmware Version 53 or Higher.

If you do not know how to check the firmware version currently installed in your V300 or V500 data logger, please call us 949-709-5555 for assistance.

If you have a V300 or V500 data logger and do not meet the minimum firmware version requirement, you will need to send your data logger to Racepak to have the firmware upgraded.

All other Racepak data loggers, including V300SD, will work with all firmware versions and do not require any firmware updates to work properly with this module.