

PMC Load Manager, Voltage Input Module

Date datasheet created:
18/07/2013

The Load Manager Voltage Input Module provides 4 inputs to the PMC system corresponding to specific battery voltages. In order to provide an accurate indication of system voltage, the Voltage Input Module should be located physically close to the vehicle's battery.

Care should be taken to minimize any voltage drop that may occur between the battery and the module.

Only 3 connections to the module are needed. A. Battery + (Wire should be connected to the + Battery post. Do not use the + 12 volts provided by the PMC CPU)
B. PMC Communications Bus C. PMC Ground (Wire should be connected to the Battery - post. The CPU should be grounded to the Battery - post as well)

This module has been potted and provided with a Metripack water-tight connector to facilitate placement near the battery. This module has been addressed at the factory as module "P".

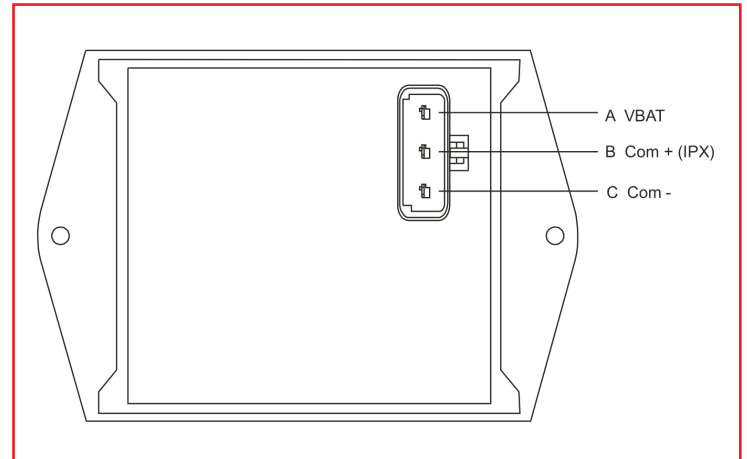
For 12 Volt Systems

Channels P7, P8, P9, and P10 will be on as follows.
P7 is ON when the battery voltage is >13.3 Volts
P8 is ON when the battery voltage is >12.8 Volts
P9 is ON when the battery voltage is >12.3 Volts
P10 is ON when the battery voltage is >11.8 volts.

For 24 Volt Systems

P7 is ON when the battery voltage is > 26.6 Volts
P8 is ON when the battery voltage is > 25.6 Volts
P9 is ON when the battery voltage is > 24.6 Volts
P10 is ON when the battery voltage is >23.6 volts.

The inputs from this module can be used in the PMC system with boolean logic statements to force selected loads off as the system voltage falls. You may also wish to turn an output on to indicate to the engine controller that high speed idle is needed.



Channels P1 through P6 are still available to be used as virtual channels, or a module such as a 6-position rocker switch adapter or a push button switch module could be addressed for module P.

Connections For 18 Awg Wire

Connector with 5.5 inch pigtail(Intellitec P/N 11-00393-000).

Or Use

Delphi Packard Metripack
12110293 Connector
12048074 Contact
12110213 Cable Seal
12052845 Lock

P/N 00-00809-120 12 Volt

P/N 00-00809-240 24 Volt

For further information
on this product,
please contact
Intellitec.