

The PMC to CANBus Gateway Module, 00-00964-000, is the newest member of Intellitec's Programmable Multiplex Control gateway family. This gateway module works in combination with the PMC CPU or the 160 channel IPX Master and other standard, semi-custom, or custom I/O modules.

The **Can Opn'r**, Intellitec's CAN J1939 to PMC Interface Module is intended to accept signals from the vehicle CAN Bus and communicate these signals via PMC Link.

convert them to standard PMC signals so they can be used to perform various functions on the vehicle.

## How Does it Work

This module is programmed to decode nine signals that are commonly used on the body PMC electrical system of vehicles to interlock function. Utilizing these signals in a PMC system, a handicap ramp interlock can easily be implemented without making connections to any other wires or adding switches to the vehicle.

The power operated door can be also be interlocked to prevent it from being opened when the bus is moving.

Using the electrical value signals, which are measured by the engine system, a load management system can also be implemented to assure the vehicle remains functioning regardless of the loads and charging system.

The signals from this module appear on the "O" address of the PMC system.

In addition to the PMC outputs, there are six decoded logic level signals available to be used in simpler systems where a PMC system is not appropriate. These signals are described in the table on the reverse side of this sheet.



Dimensions of Module 5 1/4' x 4 1/2" x 1 3/8"  
(CANBus printed circuit board shown in photo)

The unit is housed in a water-tight enclosure suitable for mounting under-the-hood. The connections are made using a Deutsch DTM connector.

## Diagnostics

The CANBus Interface module will:

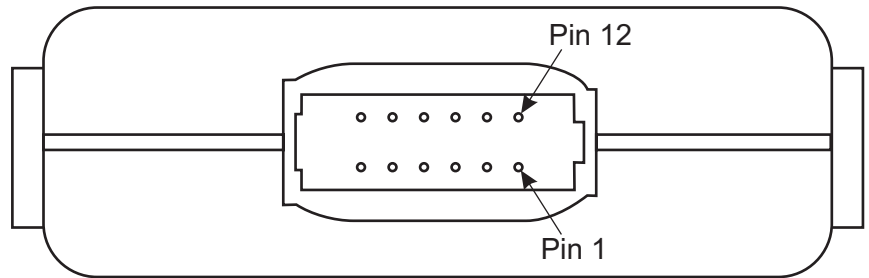
- ✎ Detect the loss of CanBus communication  
+ output the fault condition on PMC channel
- ✎ Detect the loss of PMC Communication
- ✎ Autosync to the CANBus Baud rate
- ✎ Operate as a Stand-Alone module  
+providing key 'body' function/state information to peripheral devices

### Specifications

Part Number:	00-00964-000
Maximum Output Current:	Logic Level
Ambient Temperature Range:	-40C to +85C
Normal Input Voltage Range:	9 to 32 volts
Short Term Over Voltage Protection:	+42 volts
Reverse Voltage Protection:	- 300 volts
Positive Voltage Spike Protection:	+90 volts
Operating Environment:	Under hood, Waterproof, Max temperature is 85 C (185 F)

### Connections

Pin 1	PMC power
Pin 2	PMC Signal
Pin 3	PMC Ground
Pin 6	CAN H
Pin 7	CAN L



Description	Function	PMC Channel	Connector Output Pin
PARK		O1	9
NEUTRAL		O2	10
Parking Brake Switch 0 = not set, 1 = set		O3	11
Wheel Based Speed	1 = less than 3.2 km/h	O4	12
Brake Switch 0 = released, 1 = depressed		O5	N/A
Electrical Potential	1 = value between 16v and 11.8 for 12 volt model 1 = value is greater than 23.6v	O6	N/A
Electrical Potential	1 = value between 16v and 11.8 for 12 volt model 1 = value is greater than 24 .6v	O7	N/A
Electrical Potential	1 = value between 16v and 11.8 for 12 volt model 1 = value is greater than 25.6v	O8	N/A
Electrical Potential	1 = value between 16v and 13.3 for 12 volt model 1 = value is greater than 26.6v	O9	5
No CAN Signal	No CAN Signal for 2 seconds	O10	4

### MATING CONNECTIONS

Designator	Function	Description	Mating Part #	Contact, Typical
J1	PMC/Com	Deutsch 12 Pin Deutsch Wedgelock Deutsch Pins	DTM 06-12SA WM-12S 1062-20-0122	Rated for 7.5 Amps