Upfitter Interface Module®
UIM16R

Programmable Relay Power Center

INTERMOTIVE
VEHICLE CONTROLS
An ISO 9001:2015 Registered Company
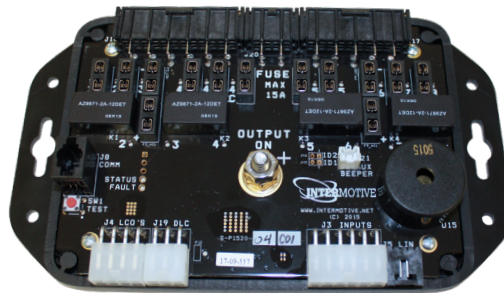
Overview

- Passive CAN data acquisition
- Configurable inputs and outputs, which can be programmed as momentary, latching, time-hold, time-delay or flashing
- Outputs are controlled based on the module's configuration created using the InterMotive PRPC Download manager program (GUI)
- Simple plug and play connections for CAN data
- Combine with switch backer and/or expansion boards to increase system capabilities

Features

- FLEXIBLE DESIGN: Saves time, cost and additional components; graphical user interface (GUI) makes programming output functions as easy as clicking a button
- CONTROL: Multiple inputs can control a single ouput
- CONVENIENCE: Works with select Ford, GM, Stellantis and Medium Duty chassis to provide real-time CAN data
- Warning LEDs offer easy troubleshooting

Specifications

EXAMPLE SCHEMATIC
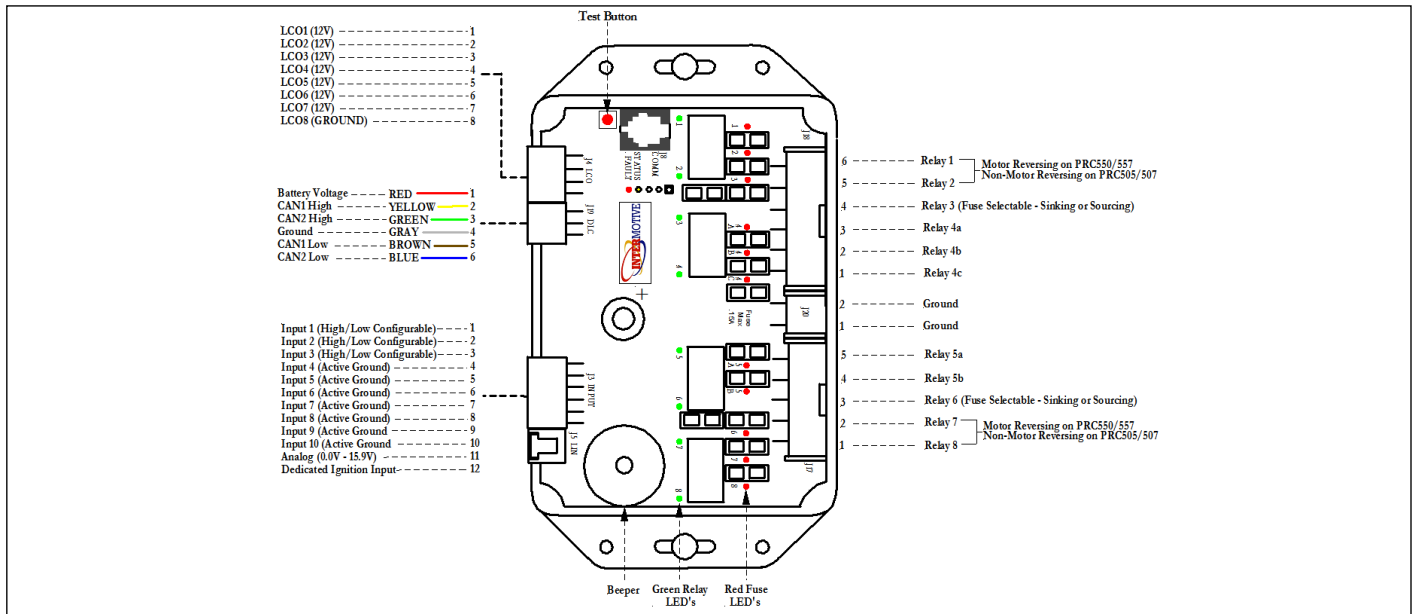
SPECIFICATIONS	
Number of Inputs	3 active high/low GUI-configurable inputs, 7 active low inputs and 1 analog input
Number of Outputs	7 active high output, 1 active low output & 8 relays
Current Draw	150 mA
Quiescent Draw	< 2 mA (sleep current)
Temperature Range	-40°C to 80°C
Dimensions	4" L x 2" W x 1" H

AVAILABLE DATA INCLUDES: (partial list)

- **Transmission:** Range | Fluid Temperature
- **Lights:** External Lights* | High and Low Beams | Turn Signals
- **Doors:** Lock | Unlock | Door Ajar
- **Brakes:** ABS Event | Park Brake | Service Brakes
- **Other:** Vehicle Speed | Seatbelt
- **Engine/Fuel:** Clean Tach Output | Check Engine Light (MIL)** | Coolant and Oil Temp.† | RPM | Engine Running | Ignition Switch Status | Fuel Level | Intake Air Temp. | Throttle Position | Vbat | VSS (2.2 Hz/mph)

*Daytime running lights only work with Ford vehicles

** Check Engine Light Output does not work with RAM vehicles

† Oil Temperature only works with Ford vehicles

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