Upfitter Interface Module®
UIM4

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)
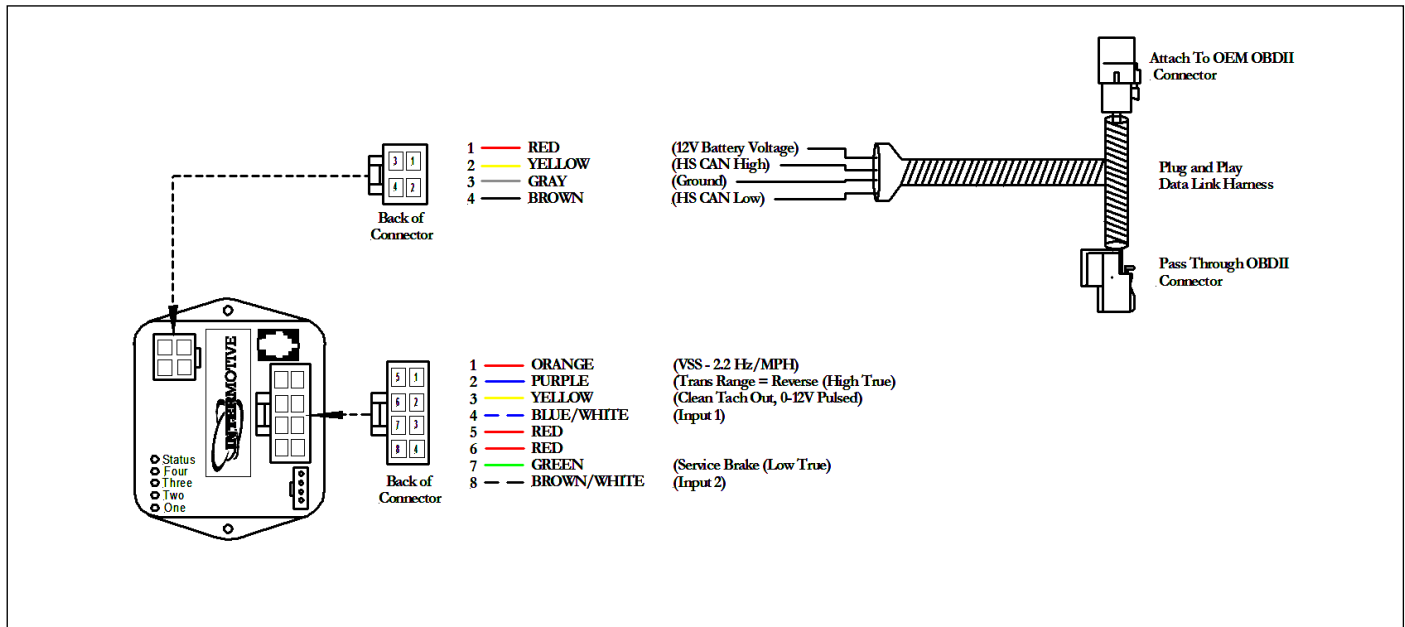- Simple plug & play connections for CAN data

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 output
- Works with Ford, GM and RAM CAN to provide real-time chassis data
- Warning LEDs offer easy troubleshooting
- Law enforcement application: Works with Ford Police Engine Idle feature to secure the gun lock release and trunk/hatch
- Includes Intermittent Fault Filter™ (IFF) technology to eliminate false readings

InterMotive VEHICLE CONTROLS

Product features may vary by make, model or year. See instructions for complete details.

Specifications

EXAMPLE SCHEMATIC

1	RED	(12V Battery Voltage)
2	YELLOW	(HS CAN High)
3	GRAY	(Ground)
4	BROWN	(HS CAN Low)

Back of Connector

Attach To OEM OBDII Connector

Plug and Play Data Link Harness

Pass Through OBDII Connector

1	ORANGE	(VSS - 2.2 Hz/MPH)
2	PURPLE	(Trans Range = Reverse (High True))
3	YELLOW	(Clean Tach Out, 0-12V Pulsed)
4	BLUE/WHITE	(Input 1)
5	RED	
6	RED	
7	GREEN	(Service Brake (Low True))
8	BROWN/WHITE	(Input 2)

Back of Connector

Status
Four
Three
Two
One

SPECIFICATIONS

Number of Inputs	Two active low inputs
Number of Outputs	Four outputs (two active high and two active high/low)
Current Draw	150 mA
Quiescent Draw	< 2 mA (sleep current)
CAN Speed	High and medium speed
Temperature Range	-40°C to 80°C
Dimensions	3" L x 2" W x 1" H

AVAILABLE DATA INCLUDES: (partial list)

- **Transmission:** Range | Fluid Temperature
- **Lights:** Turn Signals
- **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)

*Check Engine Light output only works with Ford vehicles

† Oil Temperature only works with Ford vehicles

Proudly distributed by

LGS GROUP AUTOMOTIVE TECHNOLOGIES

775-831-2002 | www.InterMotive.net