Upfitter Interface Module®
Programmable CAN Data Access System

Overview

• Passive CAN data acquisition used to activate or control equipment in customized ways
• Eight digital outputs can be programmed as momentary, latching, time-hold, time-delay or flashing
• Outputs are controlled based on the module’s configuration, created using boolean logic with InterMotive’s Programming Utility software
• Simple plug and play connections

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
• Provides one high true output, seven low true outputs and two low true inputs
• Works with FCA, Ford and GM CAN, plus J1939 to provide real-time chassis data
• Warning LEDs offer easy troubleshooting
• Includes Intermittent Fault Filter™ (IFF) technology to eliminate false readings

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LGS GROUP AUTOMOTIVE TECHNOLOGIES
(775) 831-2002
EXAMPLE SCHEMATIC

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Feature</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of Inputs</td>
<td>Two active low inputs</td>
</tr>
<tr>
<td>Number of Outputs</td>
<td>Eight, with one active high</td>
</tr>
<tr>
<td>Current Draw</td>
<td>150 mA</td>
</tr>
<tr>
<td>Quiescent Draw</td>
<td>&lt; 2 mA (sleep current)</td>
</tr>
<tr>
<td>CAN Speed</td>
<td>High and medium speed</td>
</tr>
<tr>
<td>Temperature Range</td>
<td>-40°C to 80°C</td>
</tr>
<tr>
<td>Dimensions</td>
<td>4” L x 2” W x 1” H</td>
</tr>
</tbody>
</table>

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