Seat Belt Warning

STYLE

The Seat Belt Warning Module (SBW) monitors up to 10 seats and 10 seat belts. Each input is selectable for Normally Open (N.O.) or Normally Closed (N.C.) switch contacts. The SBW validates seat/seat-belt sequencing and has enhanced “seat bounce” error validation. It communicates via J1939 CAN messages to the VDR and displays.

Features

The Seat Belt Warning input module (p/n 118093) monitors the status of 10 seats and 10 seat belts for use in determining seat and seat belt status and transmitting the results to the Seat Belt Warning display and Vehicle Data Recorder. The Seat Belt Warning input module transmits four ES-Key network tags based on seat and seat belt combinations that may be used within an ES-Key network database for alarm purposes.

Applications/Solutions

- Fire OEMs
- Firefighting - Airport (ARFF)
- Firefighting - Industrial
- Firefighting - Structural
- Firefighting - Wildland Forestry

- Monitor up to 20 seats and 20 seat belts (ground polarity inputs).
- Each input is selectable for Normally Open (N.O.) or Normally Closed (N.C.) switch contacts (inputs are default set to N.O.).
- Validates seat/seatbelt sequencing.
- Enhanced “seat bounce” error validation.

Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Country of Manufacture</td>
<td>US</td>
</tr>
<tr>
<td>Width</td>
<td>4.68” (118.80 mm)</td>
</tr>
<tr>
<td>Height</td>
<td>5.24” (133.10 mm)</td>
</tr>
<tr>
<td>Depth</td>
<td>1.42” (36.07 mm)</td>
</tr>
<tr>
<td>Volts</td>
<td>+9 VDC ... +32 VDC</td>
</tr>
<tr>
<td>Amperage</td>
<td>32 ... 57 mA (13.8 VDC)</td>
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<tr>
<td>Can Specification</td>
<td>SAE J1939 Proprietary</td>
</tr>
<tr>
<td>Environmental Range</td>
<td>IP 67</td>
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</tbody>
</table>

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Seat Belt Warning

STYLE
Temperature range
-40°C...+85°C

Electrical protection
- Internal thermal fuse
- Reverse voltage protection
- CAN buses protected to 24V
- ESD voltage protected to SAE J1113 specification for heavy duty trucks (24V)
- Transient voltage protected to SAE J1113 specification for heavy duty trucks (24V)