



J-1939 Tell-Tale Indicator with 16 Icon Positions

NexSysLink®
CAN Instruments Product Family
SAE J1939



Features and Benefits

- Environmentally sealed connectors
- Custom icon configurations available
- Up to six discrete inputs switched either high or low
- SAE J-1939 CAN protocol support
- Connects seamlessly with **NexSysLink** MNI instruments
- Bright LED illuminated tell-tales
- Built in audible alarm and switched output
- Factory configurable for +12V or +24V systems

This CAN based product complements the **NexSysLink®** instrument system by providing sixteen LED illuminated operator alert tell-tales along with an audible alarm to alert users to multiple fault conditions.

Product Description

The alert panel directly reads and processes SAE J-1939 compliant CAN messages, serial data from any NexSysLink Master Node Instrument and up to ten factory configurable discrete inputs switched either high or low to activate the tell-tales and/or audible alarm.

The product meets OBD regulatory requirements for wait-to-start lamp by performing required circuit continuity check.

A discrete output capable of switching up to one amp and an audible output increase the utility of this product.



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fm-001-0107 rev A 01/2015

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Protocol Compliance

Society of Automotive Engineers SAE J1939

Environmental Specifications

Shock (Non-operating):
 50G, 9-13mS half-sine,
 25 shocks in each of three orthogonal axes
 Vibration (Non-operating):
 0.06" (1.5mm) double amplitude 10-80-10 Hz
 2 hours in each of three orthogonal axes
 Temperature:
 Operating, -20°F to 158°F (-30°C to 70°C)
 Storage, -40°F to 185°F (-40°C to 85°C) 50% RH
 Humidity:
 95% relative humidity @110°F (43°C) non-condensing

Mounting Specifications

See diagram below for mounting pattern.
 Mounting hardware torque: 6 lb-in (0.68 N-m) max.

Electrical Specifications

Reverse Polarity Protection: Standard entire system
 Load Dump:
 Meets SAE J1113, 3 positive 80V transients
 one minute intervals
 Operating Voltage: 11-16VDC standard
 Over Voltage:
 Withstands 18V continuously for one hour
 Tell-tale illumination: LED

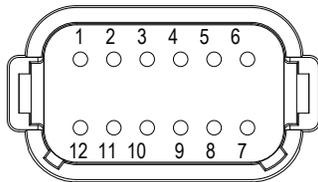
Connector Specifications

Mates with Deutsch I.P.D. DT series connectors.
 12 pin Connector: DT06-12SA, Locking wedge W12S
 16-20 AWG stranded copper wire recommended.

Mechanical

Case:
 Black thermoplastic copolymer
 Dial:
 Textured finish polymer
 Backlit dead-front alert icons
 Opaque background
 Sealing:
 IP 65 compliant

Wiring Connections



12 Pin Connector Detail
 Mates with Deutsch I.P.D.
 DT Series Connector
 DT-06-12SA
 Locking Wedge W12S

| Connection Chart | |
|------------------|--|
| Pin Number | Connection Name |
| 1 | Switched Ignition (Key On) |
| 2 | System Ground |
| 3 | CAN-L |
| 4 | CAN-H |
| 5 | Serial Data |
| 6 | Relay Normally Open (Optional) |
| 7 | Switched Input 1 or Relay Common (Optional) |
| 8 | Switched Input 2 |
| 9 | Switched Input 3 |
| 10 | Switched Input 4 |
| 11 | Switched Input 5 |
| 12 | Switched Input 6 |

Product Outline Drawing

