

J-1939 Tell-Tale Indicator with 30 Icon Positions

NexSysLink®
CAN Instruments Product Family

SAE J1939

Features and Benefits

- Environmentally sealed connectors
- Custom icon configurations available
- Up to ten 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

This CAN based product complements the **NexSysLink®** instrument system by providing thirty 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.

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



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Made in the USA

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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

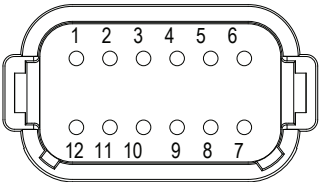
Connector Specifications

- 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

| Connector B (Power/Communication) | |
|-----------------------------------|----------------------------|
| Pin Number | Connection Name |
| 1,7,12 | Switched Ignition (Key On) |
| 2,8,11 | System Ground |
| 3 | CAN - L |
| 4 | CAN - H |
| 5 | Relay Common |
| 6 | Relay Normally Open |
| 9 & 10 | Serial Data |

| Connector A (Discrete I/O) | |
|----------------------------|----------------------------------|
| Pin Number | Connection Name |
| 1 | Left Turn Lamp Input (Optional) |
| 2 | Switched Input 1 |
| 3 | Switched Input 2 |
| 4 | Switched Input 3 |
| 5 | Switched Input 4 |
| 6 | Switched Input 5 |
| 7 | Switched Input 6 |
| 8 | Switched Input 7 |
| 9 | Switched Input 8 |
| 10 | Switched Input 9 |
| 11 | Switched Input 10 |
| 12 | Right Turn Lamp Input (Optional) |

Product Outline Drawing

