



# J-1939 Tell-Tale Indicator with 30 Icon Positions

**NexSysLink<sup>®</sup>**  
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<sup>®</sup>** 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

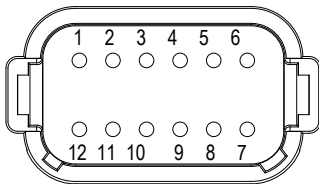
**Connector Specifications**

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

