

J1939 INCLINOMETER

OVERVIEW

The J1939 Inclinometer provides rugged-duty incline sensing that supports CAN Bus protocol and features programmable settings that allow the sensor to be used for various applications.

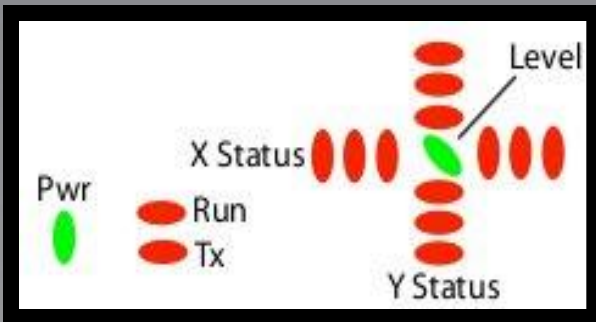
The Joral Inclinometer has 3 axis sensing to provide flexibility in mounting and installation. The standard J1939 message contains current angular position for X, Y, and Z axis.

Each axis has its own independent current value, with better than 1/3 of a degree accuracy.

The sensor can be mounted in the best orientation for your mechanical needs and allow the user software to determine true angle for the application.



J1939 Inclinometer
Mfg#-GS10234-501



LED INDICATORS

X and Y Status Indicators: The green level LED is on if the sensor is level within the LED weight setting.

Pwr LED: On solid when voltage is applied to the device.

Run LED: Blinks to show sensor is operating.

Tx LED: On when the sensor is sending J1939 message.

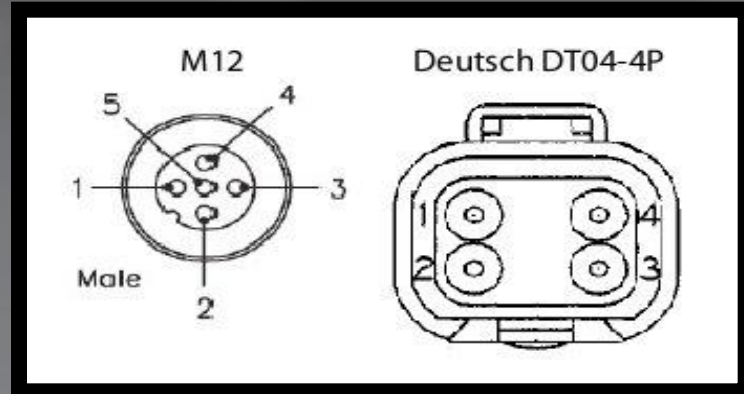
FEATURES

- Easy Mounting
- 3 axis; solid state sensing (X,Y,Z)
- Configuration available through J1939 for sensitivity and angular range settings
- J1939 Source Address selectable via standard external resistor
- Angular ranges of +/- 90° , 60° , 45° m and 22.5°
- Completely potted and sealed
- Rugged-Duty
- Standard connector: M12 or Deutsch DT04-4P
- 'Electronic Bubble' – LEDs display level status

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CONNECTIONS

Signal	M12 Pin #	Deutsch Pin #
V+	1	3
CANH	2	1
Common	3	4
CANL	4	2
Address Select (optional)	5	-



SPECIFICATIONS

Model	INC-J1939-5M12	INC-J1939-DT04-4P
Connector	5 pin male M12	4 pin Deutsch
Power	6 to 30 VDC (85 milliamps)	
Weight	2 oz	
Mounting	Mounting Tabs (0.187 diameter holes)	
Resolution	0.3°	
Operating Temperature	-40° C to +85° C	
J1939 Source Address	220 (default) to 227	
J1939 PGN	65466	
J1939 Data	10 bit angle per axis, 0 to 1023	
J1939 Rate	50msec	
J1939 Priority	4	

!!!!!!!!!!!!!!WARNING!!!!!!!!!!!!!!

FAILURE OR IMPROPER SELECTION OR IMPROPER USE OF THE PRODUCT AND/OR SYSTEMS DESCRIBED HEREIN OR RELATED ITEMS CAN CAUSE DEATH, PERSONAL INJURY AND PROPERTY DAMAGE

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