

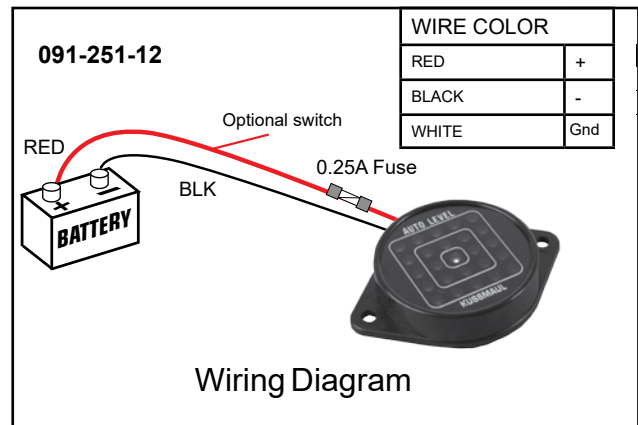
INSTRUCTION MANUAL

AUTO LEVEL

LED LEVELING INDICATOR

The Auto Level is an LED based leveling indicator that can be used in various applications. The indicator utilizes 25 surface mount LEDs consisting of: Green, Yellow, and Red. The 'bullseye' (green LED in center) is calibrated to $\leq \pm 0.5^\circ$. Auto detect allows for horizontal or vertical installation. Installation is simple since the indicator utilizes (2) #8 mounting holes. 3-wire hookup leads makes wiring easy.

The Auto Level is typically wired into a switched battery system by connecting the red wire to battery positive and the black wire to battery negative. The third wire (white) is used for calibrating the sensor after vehicle or trailer mounting.



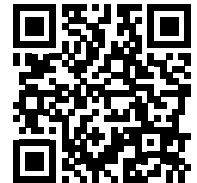
Reverse Polarity Protection: The unit does not operate when input polarity is reversed.

Zero Calibration: The indicator can be zeroed in any mounting orientation.
Factory calibrated for horizontal mounting.

1-Wire Calibration: When the white wire is connected to ground during power-up the indicator will recalibrate itself. Disconnect the white wire after calibration for normal operation.

Specifications:

Input voltage:	8 to 18 VDC
Input Current:	20 mA @ 12 VDC
Connections:	(3) 12" hookup leads
LED Indicators:	Green: $\leq \pm 0.5^\circ$, Yellow: $\leq \pm 2^\circ$, Red: $> 2^\circ$
Temperature Range:	-40°F to 120°F
Mounting Hole:	(2) #8 holes
Includes:	Mounting Gasket
Warranty:	3 years



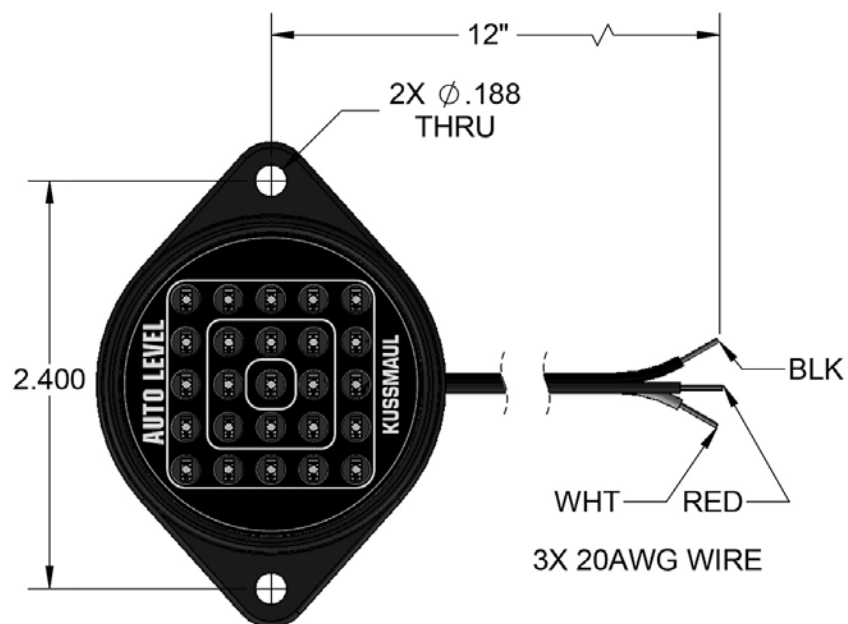
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Date: 01-10-2017

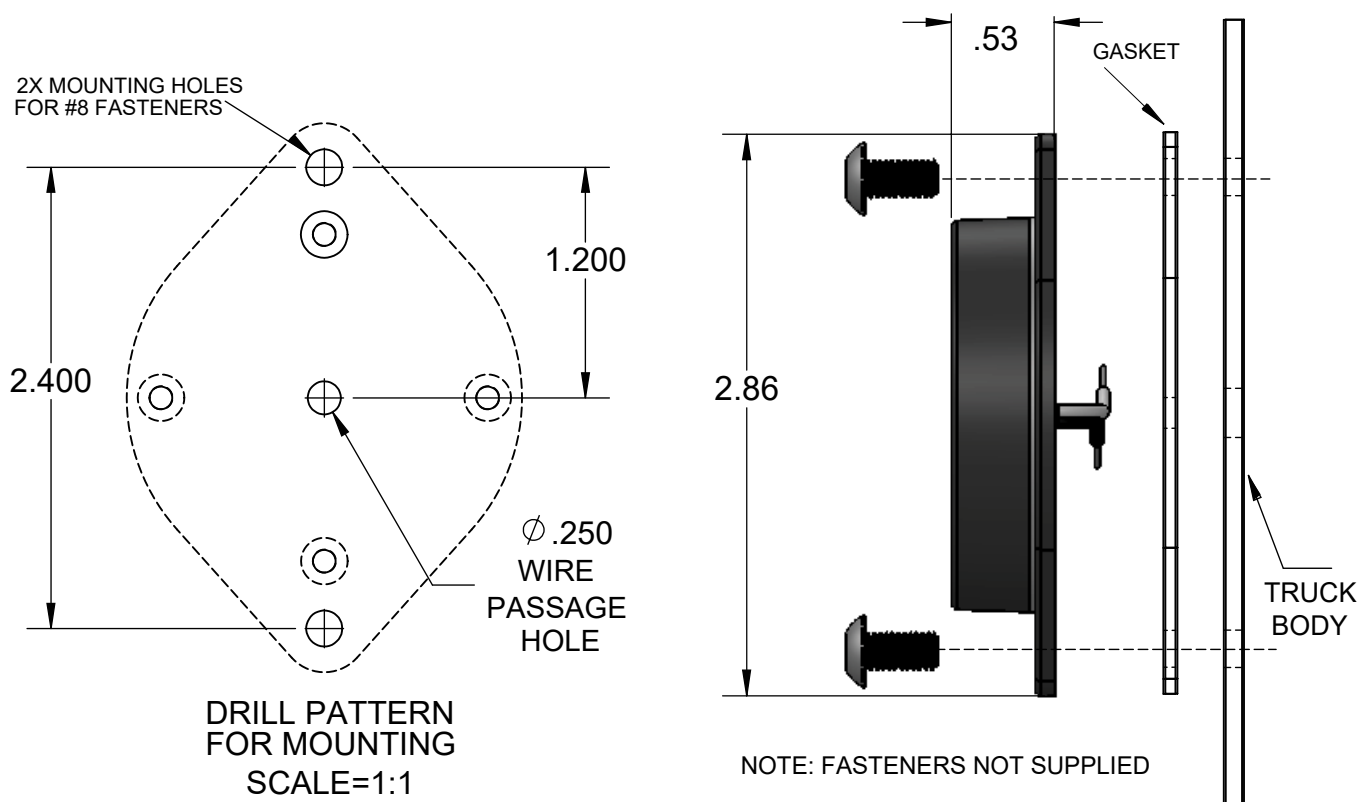
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OUTLINE DRAWING



MOUNTING HOLE PATTERN AND GASKET



INSTALLATION RECORD

DATE INSTALLED _____

INSTALLED BY _____

VEHICLE IDENTIFICATION _____

VEHICLE OWNER _____

WARRANTY POLICY

All products of Kussmaul Electronics Company Inc. are warranted to be free of defects of material or workmanship. Liability is limited to repairing or replacing at our factory, without charge, any material or defects which become apparent in normal use within 3 years from the date the equipment was shipped. Equipment is to be returned, shipping charges prepaid and will be returned, after repair, shipping charges paid.

Kussmaul Electronics Company, Inc. shall have no liability for damages of any kind to associated equipment arising from the installation and/or use of the Kussmaul Electronics Company, Inc. products. The purchaser, by the acceptance of the equipment, assumes all liability for any damages which may result from its installation, use or misuse, by the purchaser, his or its employees or others.



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