ENGINE MONITORING INSTRUMENTS

IC SERIES

CURTIS

DESCRIPTION

Complete line of solid state display products in a variety of housings and configurations from fully assembled panels and 52 mm round gauges to individual printed circuit board based modules. Ideal for meeting a wide range of general instrument requirements as well as custom applications.

APPLICATION

Uses include construction, agricultural and material handling vehicles or stationary equipment such as generators, compressors and irrigation pumps.

QUALITY COMPLIANCE

Manufactured under ISO 9001 certified Quality Management system. UL recognized & CE certified.

FEATURES

- These products can be easily optimized for low, medium and high volume vehicle or panel production. The series includes fuel, temperature, battery charge, pressure and tachometer indication.
- Perfect for panels and instrument clusters, these products can be used to display virtually any function.
- Easy to read LCD or tri-colored, 10 bar LED displays for instant “status at a glance” .
- Eye catching flashing red LED’s (when specified, LCD also available) indicate operation beyond established parameters, such as under and over voltage.
- Linear or curved 10 bar LED or LCD display styles available.
- Small footprint allows for panels of small size and depth.
- Each of the ten display segments is factory programmable by Curtis to allow for customized monitoring including regions of expanded resolution, to enhance areas of special interest. For example, an expanded “normal voltage” region allows the vehicle operator to notice alternator problems before they become serious.
- Programmable to interface with a wide variety of sender inputs - resistive, voltage or current based. These products can accept virtually any input signal.
- Meets a variety of output requirements, from logic level to heavy duty (2A continuous max) current demands for automated control and monitoring of engine functions.
- Interfaces with external or remote alarm and shut down systems – ideal for unsupervised equipment.
- Single pointer display (LCD or LED) mode or rising bar graph (LCD module only).
- Advanced design delivers significant performance improvement over electro-mechanical gages.

IC SERIES

SPECIFICATIONS

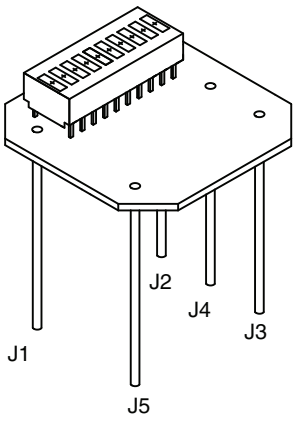
- Operating Voltages:
  12VDC nominal (8VDC to 18 VDC range)
  24VDC nominal (16VDC to 36VDC range)
- Operating Temperature
  -40°C to +85°C
- Storage Temperature:
  -50°C to +90°C
- Humidity:
  95% RH (non-condensing) at +38°C
- Shock:
  SAE J 1378 March 83. Amplitude
  44-55 g, half sine, 9-13 ms duration
- Vibration:
  SAE J 1378
  Double amplitude of 1.53mm with frequency sweep
  for 10-80-10 Hz (20 g max) at 1 minute intervals

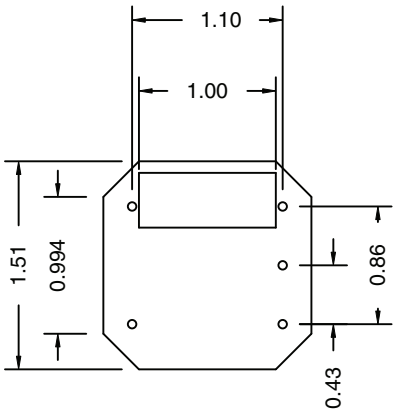
MODEL ENCODEMENT

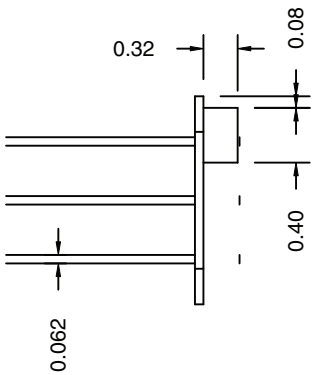
ICE9	A Display Mode	B Function	-	CD Voltage	E Package	001 Sequential Code
	1 = LED Bar	1 = Temperature		12 = 12 VDC	0 = Module, No Pins	
	2 = LED Bar w/Hour Meter	2 = Fuel		24 = 24 VDC	1 = Mini Module	
	3 = LCD	3 = Pressure			2 = Module	
	4 = LCD w/Hour Meter	4 = Voltage			3 = Round Case	
	5 = LED Arc Bar	5 = Tachometer			4 = Square Case	
	6 = LED Arc Bar w/Hour Meter	6 = Panel			5 = Rectangular Case	
	7 = LED Array	7 = Speedometer				
	8 = LED Array w/Hour Meter/Odometer					

DIMENSIONS mm

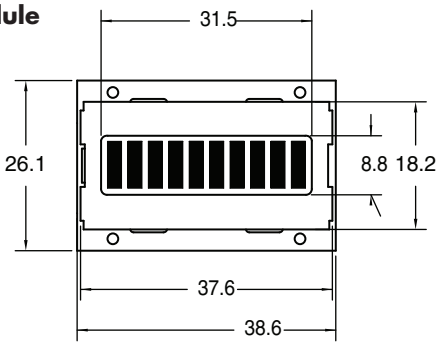
LED Module

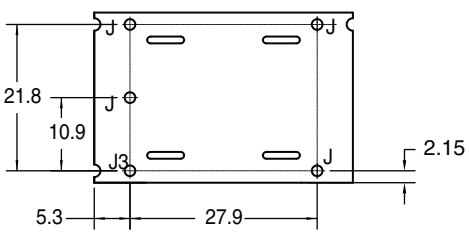


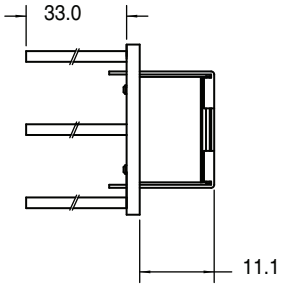




LCD Module

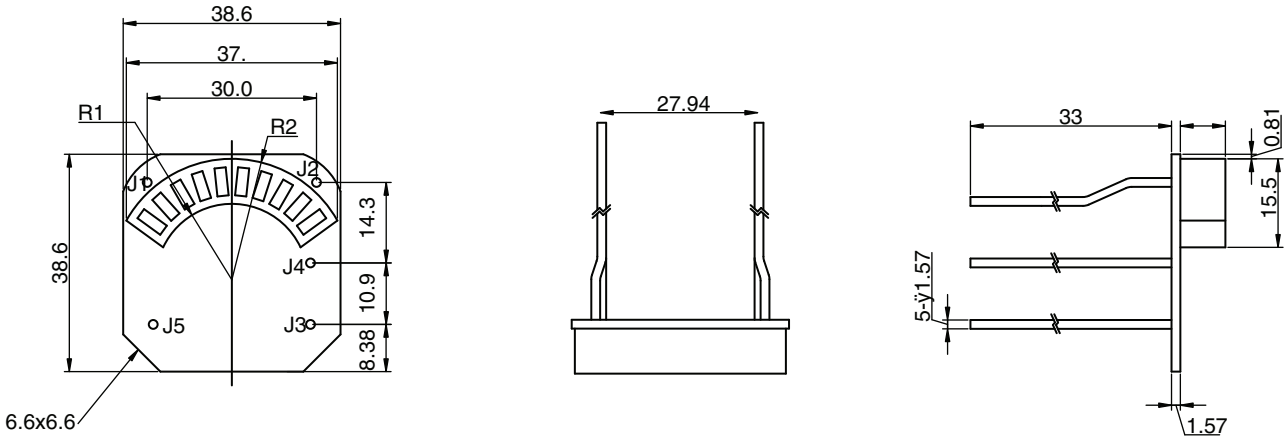




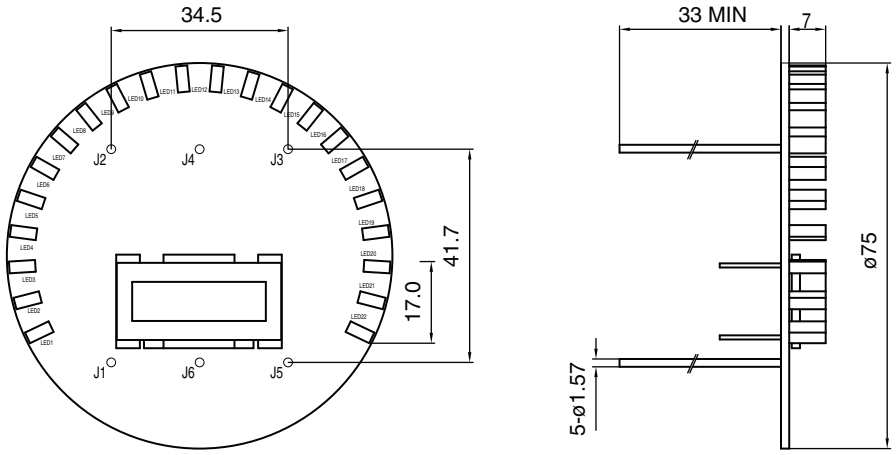


DIMENSIONS mm

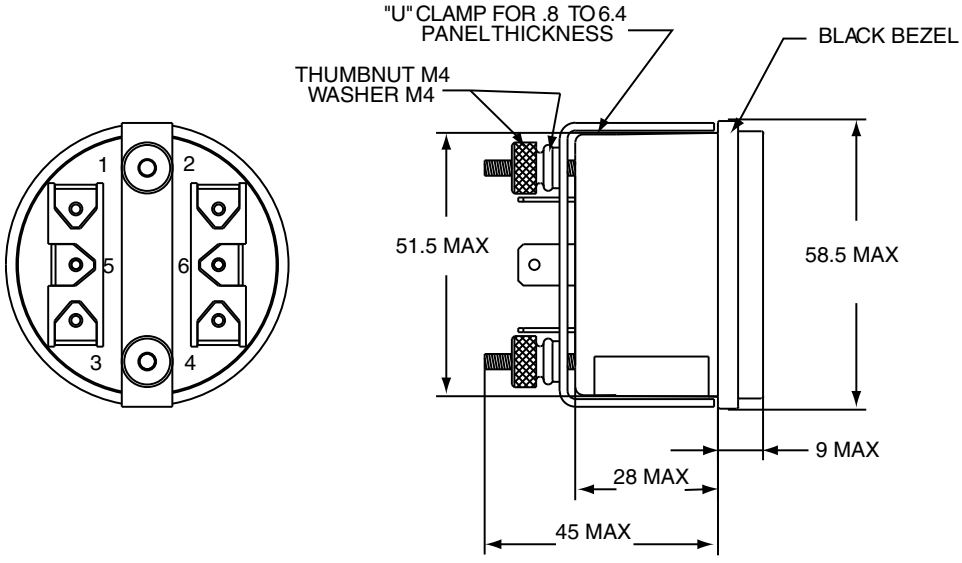
LED Arc Module



LED Arc with Hour Meter



Round Case



WARRANTY Two year limited warranty from time of delivery.