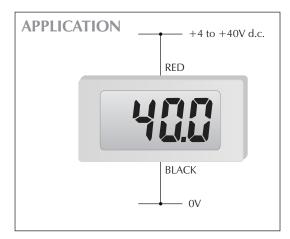
## EMV 1200-40

## Single Hole Mounting 2-Wire Meter

EMV 1200-40 is an easy to mount LCD digital panel meter. The module features a 4 to 40V measurement range with 200mV resolution and is powered from the signal it is measuring. Only valid readings are displayed; the module indicates "LO" at voltages below 4V and "HI" at voltages above 40V. To install the meter, the user need only drill a single  $5.5 \text{ mm}/^7_{y_2}$ " hole in the panel. The module is fitted to the panel by locating its threaded stud through the hole, fitting the washer and tightening the nut provided. The module's connecting wires pass through the hollow stud into the target application for connection. A rubber seal is included, providing splash proof protection for the unit when fitted to the meter during installation.

- Single Hole Mounting
- **@** 2-Wire Operation
- 4 to 40V d.c. Full Scale Reading
- 12.5mm / 0.5" LCD Digit Height
- Reverse Polarity Protection
- Contemposities Con



			Sh	nown Actual Size			
Easy Mounting Voltmeter				Stock Number EMV 1200-40			
Specification Accuracy (overall error)	Min.	<b>Тур.</b> 0.4	Max.	Unit V (±1 count)			

Specification	Min.	Тур.	Max.	Unit
Accuracy (overall error)		0.4		V (±1 count)
Linearity			±1	count
Valid displayed reading*	4.0		40.0	V d.c.
Resolution		200		mV d.c.
Sample rate		3		sample/sec
Operating temperature range	0		50	°C
Supply voltage	3		50	V d.c.
Supply current			3	mA

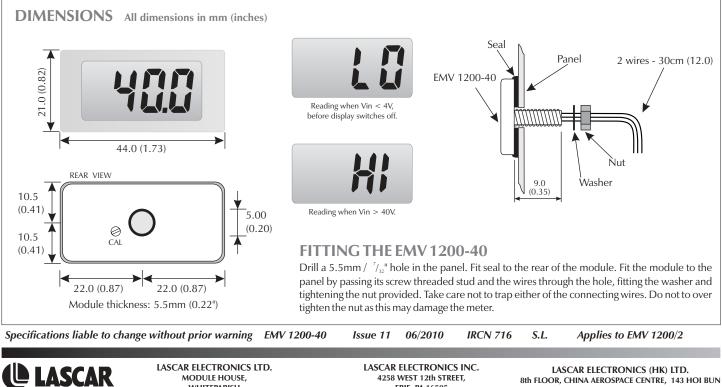
\* At voltages below 4.0V d.c., the LCD will display **L0** and will ultimately go blank. At Voltages in excess of 40.0V d.c., the LCD will display **HI**.

Do NOT exceed 50V d.c., as this may damage the meter.

The module includes reverse polarity protection up to 30V for up to 30 seconds. Operation and accuracy at voltages above 40.0V or below 4.0V are not specified.

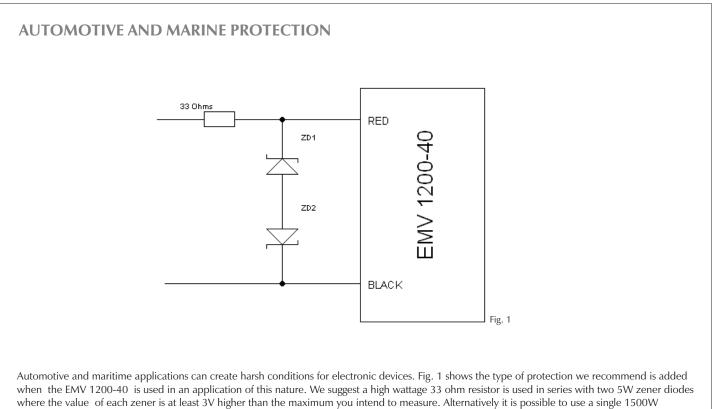
## **SAFETY**

To comply with the Low Voltage Directive (LVD 93/68/EEC), input voltages to the module's wires must not exceed 60Vd.c. The user must ensure that the incorporation of the meter into the user's equipment conforms to the relevant sections of BS EN 61010 (Safety Requirements for Electrical Equipment for Measuring, Control and Laboratory Use).



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## EMV 1200-40



transient voltage suppressor (TVS) in place of the zener diodes. In addition it is recommended that the meter is connected as close to the battery as is convenient.

Specifications liable to change without prior warning EMV 1200-40 Issue 11 06/2010 IRCN 716 S.L. Applies to EMV 1200/2



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