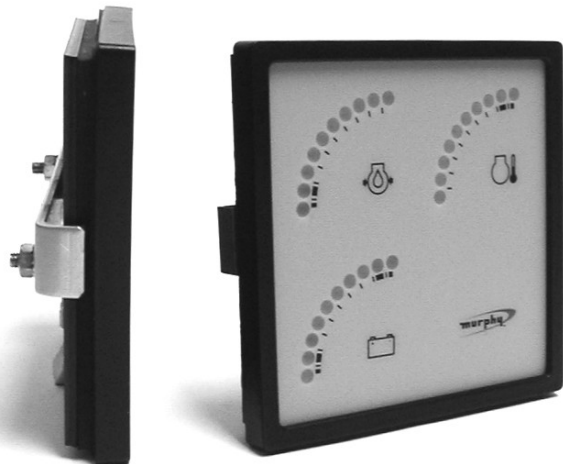


ESI3 Engine Status Indicator

ys6221
revision C, 23rd March 2006
catalogue section 70



- **At-a-glance indication of engine 'vital signs'**
- **High intensity LED indicators, moving point scale**
- **Ultra slim, low cost design**

Description

The Murphy ESI3 provides at-a-glance indication of engine vital signs in an ultra slim, low cost package.

High intensity, moving-point LEDs indicate the status of engine oil pressure, coolant temperature and battery voltage. Green LEDs light when engine parameters are within limits, red LEDs indicate fault conditions.

Oil pressure and coolant temperature are measured by the ESI3 using Murphy resistive senders (not supplied – please contact our sales office for sender options). Electrical connection of the senders and power supply is by ¼ inch (6.3 mm) blade connectors at the rear.

The ESI3 is designed for quick and easy mounting in a 92mm square front-of-panel cut-out. This compact unit extends to less than 20 mm (inch) behind the panel front.

Application

The ESI3 may be used in any engine driven application that requires the indication only of engine 'vital signs'.

Warranty

A two year limited warranty on materials and workmanship is given with this Murphy product. Full details are available at www.fwmurphy.co.uk/warranty.

Product specifications

power supply: supply voltage range *	12V units 10 – 16 V DC	24V units 20 – 32 V DC
indication: low oil pressure fault point oil pressure accuracy	20 psi (1.4 bar / 138 kPa) ± 5.7psi at fault point ± 15 psi for rest of scale	
high engine temp. fault point engine temperature accuracy	98°C / 208 °F ± 4°C / 7.2°F at fault point ± 12°C / 21.6°F for rest of scale	
battery voltage low fault	12.4 VDC	24.0 VDC
battery voltage high fault	15.3 VDC	29.9 VDC
battery voltage accuracy	± 0.3V	± 0.5 V
physical: overall size (H x W x D) panel aperture size weight	96 x 96 x 30 mm 92 x 92mm, DIN standard approx 270g	

* unit will indicate temperature and pressure over full supply range, but lowest voltage indicator will extinguish below 11.2V (12V units) or 22.4V (24V units)



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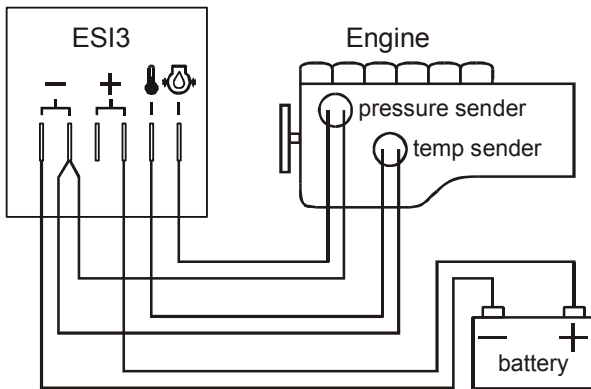
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USA - ISO9001:2000 FM 28221
UK - ISO9001:2000 FM 29422

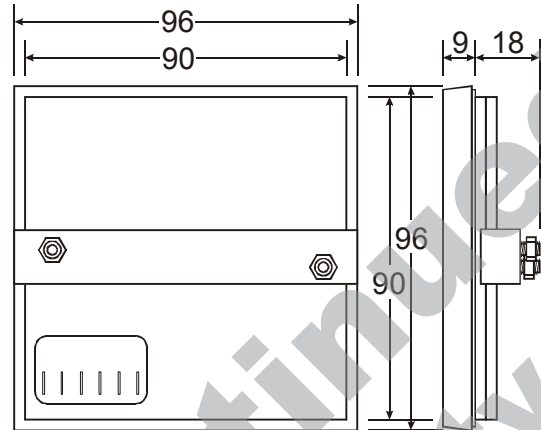
In order to consistently bring you the highest quality, full featured products, we reserve the right to change our specifications and designs at any time.

Electrical connection



Dimensions

(mm)



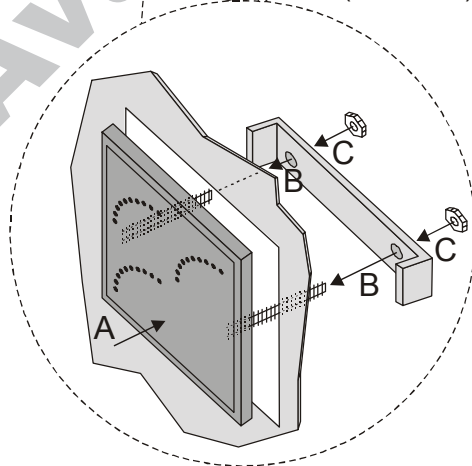
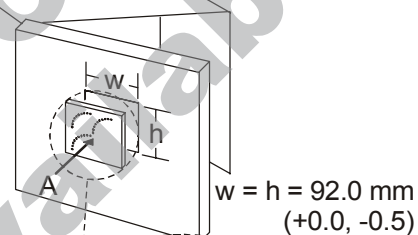
How to order

Please specify:-

Stock no.	Unit type
71.70.0001	ESI3, 12V DC
71.70.0002	ESI3, 24V DC

For full details on the range of Murphy pressure and temperature senders, please consult our EG(S)21 Electric gage literature.

Installation



see document yi6222 for full installation instructions

MURPHY

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