

# DSE**2157** DSENET® OUTPUT EXPANSION MODULE

The DSE2157 is an output relay expansion module for use with DSENet<sup>®</sup> compatible control modules. The DSE2157 has been designed to extend a host module's output capabilities.

A maximum of 10 DSE2157's can be connected to an individual module at any one time. All outputs are configurable via the host controller. The additional output capabilities of the DSE2157 give OEMs the flexibility to meet increasingly complex industry specifications. The module incorporates 'DIN' rail and chassis mountings allowing convenient fixing into a panel.

The module will work up to 1 KM (0.6miles) from the host control module.



### ENVIRONMENTAL TESTING STANDARDS

#### ELECTRO-MAGNETIC COMPATIBILITY

BS EN 61000-6-2 EMC Generic Immunity Standard for the Industrial Environment BS EN 61000-6-4 EMC Generic Emission Standard for the Industrial Environment

### ELECTRICAL SAFETY

BS EN 60950 Safety of Information Technology Equipment, including Electrical Business Equipment

### TEMPERATURE

BS EN 60068-2-1 Ab/Ae Cold Test -30 °C BS EN 60068-2-2 Bb/Be Dry Heat +70 °C

### VIBRATION

BS EN 60068-2-6 Ten sweeps in each of three major axes 5 Hz to 8 Hz @ +/-7.5 mm, 8 Hz to 500 Hz @ 2 gn

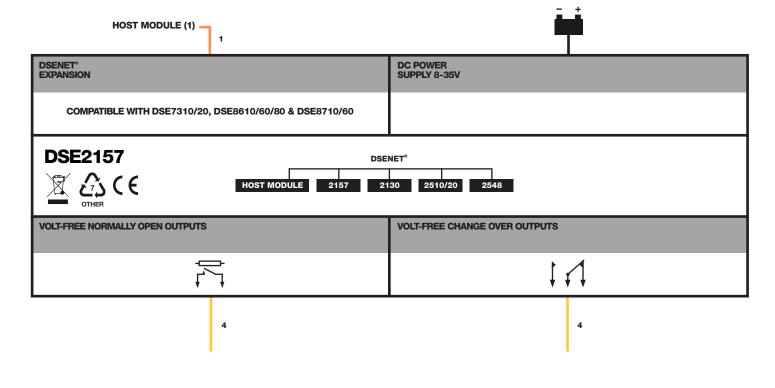
### HUMIDITY

BS EN 60068-2-30 Db Damp Heat Cyclic 20/55 °C @ 95% RH 48 Hours BS EN 60068-2-78 Cab Damp Heat Static 40 °C Cab Damp Heat Static 40 °C @ 93% RH 48 Hours

#### SHOCK BS EN 60068-2-27

Three shocks in each of three major axes 15 gn in 11 mS

# COMPREHENSIVE FEATURE LIST TO SUIT A WIDE VARIETY OF GEN-SET APPLICATIONS









# DSE2157 DSENET® OUTPUT EXPANSION MODULE



## **KEY FEATURES**

- Power On/Link Lost LED ID
  SWITCH
- 10 expansion modules can be connected to 1 host controller at a time
- 8 configurable relay contacts with LED indicators:
   4 Normally Open (N/O)
   4 Change Over (C/O)
- Terminal strip connection for quick and easy set-up

### **ID SWITCH**

The rotary ID switch is used to select the address of the DSE2157 expansion module, as the host control module is capable of giving instructions to a number of DSE2157 expansion modules at the same time.



### SPECIFICATION

DC SUPPLY

CONTINUOUS VOLTAGE RATING 8 V to 35 V Continuous

# CRANKING DROPOUTS

Able to survive 0 V for 50 mS, providing supply was at least 10 V before dropout and supply recovers to 5 V. This is achieved without the need for internal batteries. LEDs and backlight will not be maintained during cranking.

MAXIMUM OPERATING CURRENT 325 mA at 12 V, 152 mA at 24 V

MAXIMUM STANDBY CURRENT 70 mA at 12 V, 32 mA at 24 V

AUXILIARY RELAY CONTACTS 2 Amp DC rated voltage free

### DIMENSIONS

**OVERALL** 165 mm x 76 mm x 49 mm 6.5" x 3" x 1.9"

**RELATED MATERIALS** 

TITLE DSE2157 Installation Instructions DSE2157 Operator Manual



# DEEP SEA ELECTRONICS PLC UK

Highfield House, Hunmanby Industrial Estate, Hunmanby YO14 0PH **TELEPHONE** +44 (0) 1723 890099 **FACSIMILE** +44 (0) 1723 893303 **EMAIL** sales@deepseaplc.com **WEBSITE** www.deepseaplc.com

Deep Sea Electronics Plc maintains a policy of continuous development and reserves the right to change the details shown on this data sheet without prior notice. The contents are intended for guidance only.

### **DEEP SEA ELECTRONICS INC USA**

3230 Williams Avenue, Rockford, IL 61101-2668 USA **TELEPHONE** +1 (815) 316 8706 **FACSIMILE** +1 (815) 316 8708 **EMAIL** sales@deepseausa.com **WEBSITE** www.deepseausa.com

Registered in England & Wales No.01319649 VAT No.316923457