

# DSE2157

## DSENET® OUTPUT EXPANSION MODULE

The DSE2157 is an output relay expansion module for use with DSENet® 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

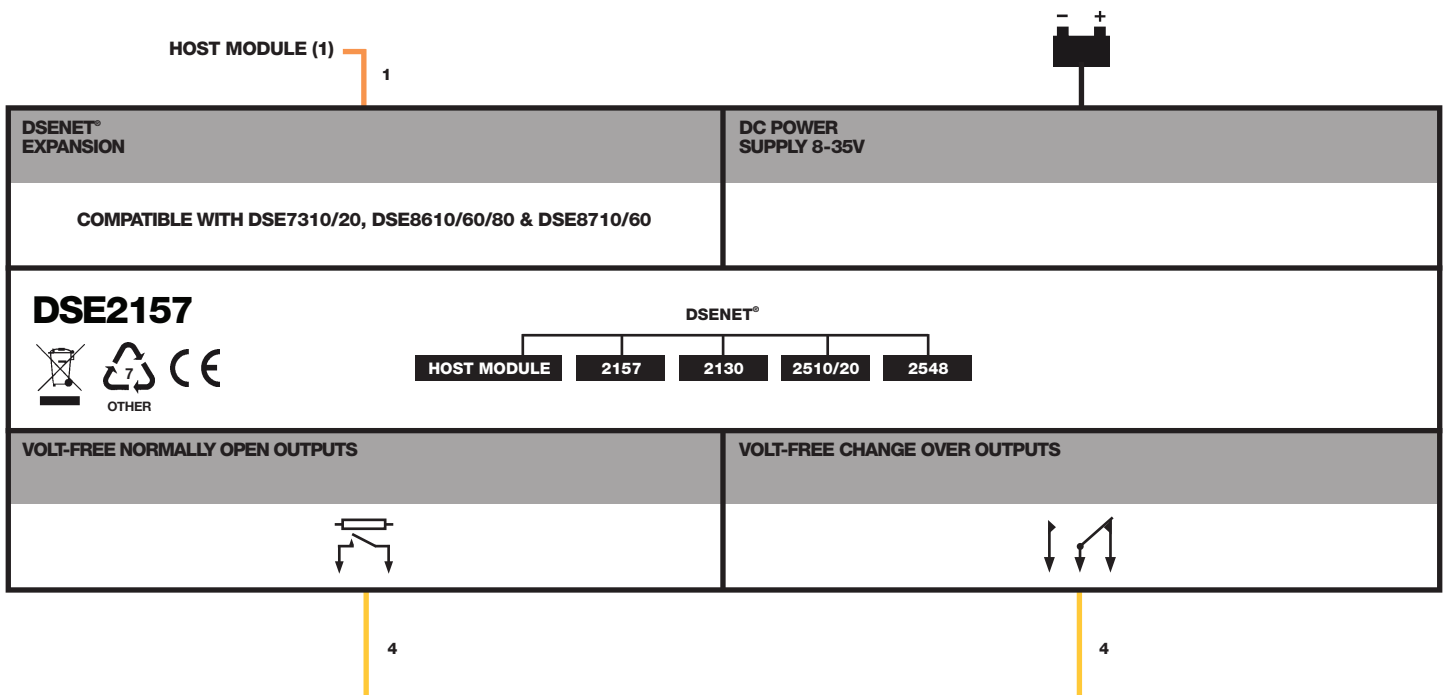
#### HUMIDITY

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 @ 93% RH 48 Hours

#### SHOCK

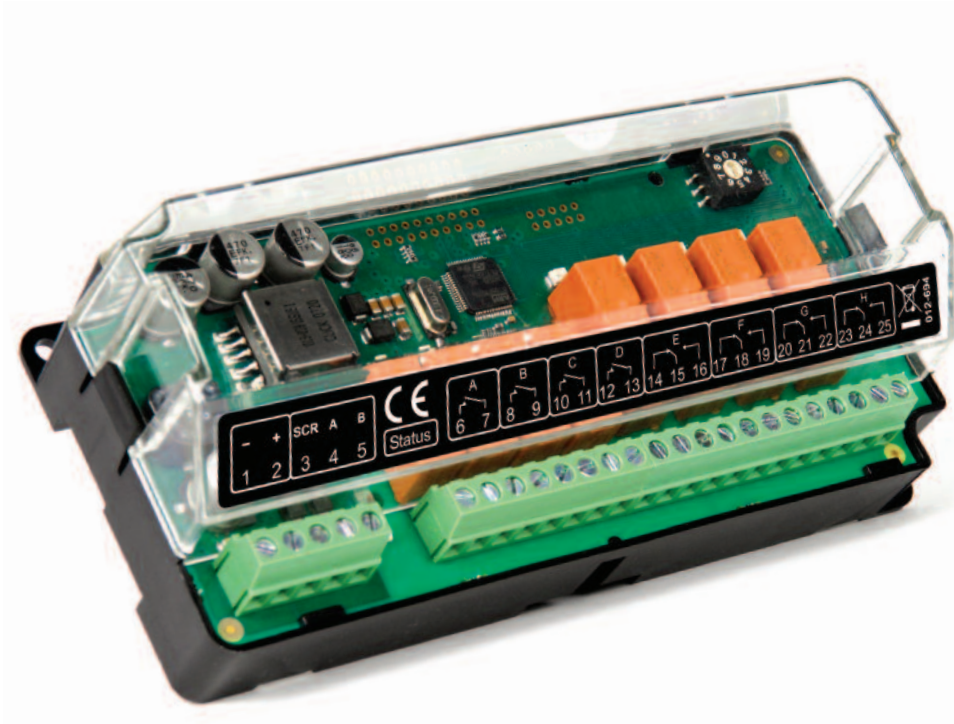
BS EN 60068-2-27  
Three shocks in each of three major axes  
15 gn in 11 mS

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



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### 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"

### 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.

### RELATED MATERIALS

**TITLE**  
 DSE2157 Installation Instructions  
 DSE2157 Operator Manual

**PART NO'S**  
 053-034  
 057-083

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