

# DSE2152

## ANALOGUE OUTPUT EXPANSION MODULE

The DSE2152 Analogue Output Expansion Module is used in conjunction with supported DSENet controllers to provide 6 additional outputs. The outputs can be individually configured as 0 to 10 V or 4 to 20 mA, via the 'host controller'.

LED indication is provided for 'Power On' and 'Link Lost'

The DSE2152 is designed to be mounted within a control panel, either on the panel DIN rail utilising the integral mounts, or chassis mounted, utilising the mounting holes.

Up to four DSE2152 modules can be linked together to provide up to 24 additional outputs. An ID switch is provided on the module for identification.

### 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 at +/-7.5 mm, 8 Hz to 500 Hz at 2 gn

#### HUMIDITY

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

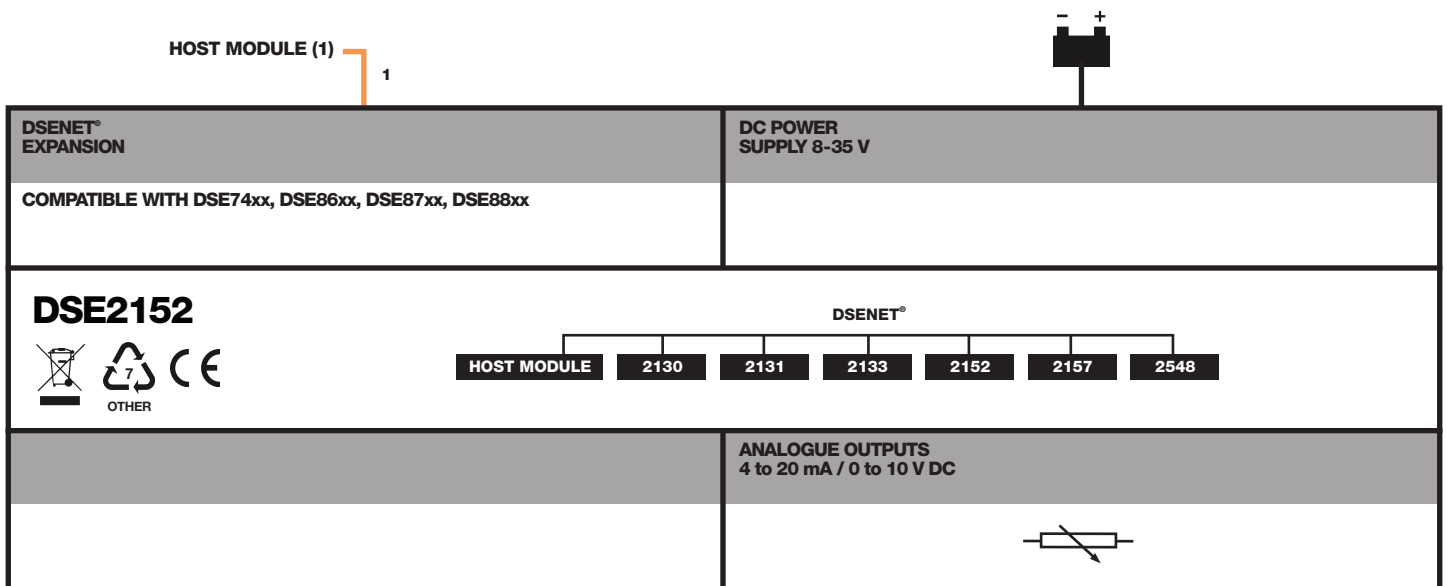
#### SHOCK

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

#### DEGREES OF PROTECTION PROVIDED BY ENCLOSURES

BS EN 60529  
IP21

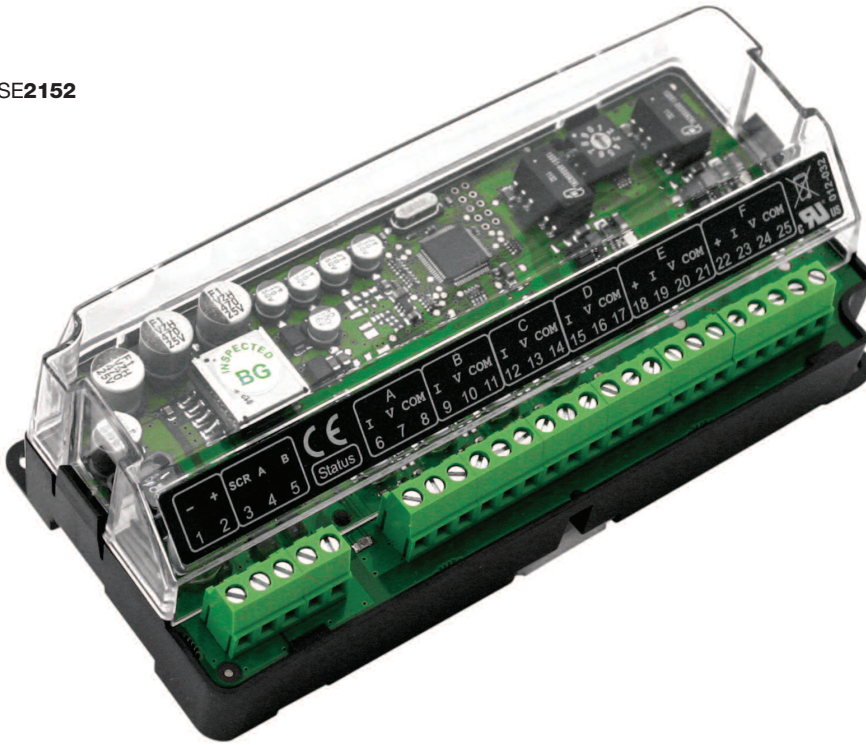
## COMPREHENSIVE FEATURE LIST TO SUIT A WIDE VARIETY OF GEN-SET APPLICATIONS



# DSE2152

## ANALOGUE OUTPUT EXPANSION MODULE

DSE2152



### KEY FEATURES

- Analogue output expansion module for supported DSENet controllers
- 6 outputs configurable as 4 to 20mA (0 to 20mA) and 0 to 10 V DC
- Power On/Link Lost LED
- A maximum of 4 modules can be connected to 1 host control module to provide up to 24 additional configurable outputs
- Works up to 1.2 km (0.75 miles) from the host controller
- Terminal strip connection for quick and easy set up
- Simplified configuration using DSE PC Configuration Suite Software through host controller

### KEY BENEFIT

- Ideal for applications where additional control monitoring is critical

### SPECIFICATION

#### DC SUPPLY

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 will not be maintained during cranking.

#### MAXIMUM OPERATING CURRENT

120 mA at 12 V, 60 mA at 24 V

#### OUTPUTS

##### OUTPUT A, B, C & D

Non-Isolated  
Configurable As: 4 to 20 mA DC or 0 V to 10 V DC

##### OUTPUT E & F

Optional Isolation  
Configurable As: 4 to 20 mA DC or 0 V to 10 V DC

#### DIMENSIONS

##### OVERALL

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

#### STORAGE TEMPERATURE RANGE

-40 °C to +85 °C  
-40 °F to +185 °F

#### OPERATING TEMPERATURE RANGE

-30°C to +70°C  
-22 °F to +158 °F

### RELATED MATERIALS

#### TITLE

DSE2152 Installation Instructions  
DSE2152 Operator Manual  
DSE7410/20 Data Sheet  
DSE8610 Data Sheet  
DSE8620 Data Sheet  
DSE8660 Data Sheet  
DSE8710 Data Sheet  
DSE8760 Data Sheet  
DSE8810 Data Sheet  
DSE8860 Data Sheet

#### PART NO'S

053-134  
057-141  
055-108  
055-083  
055-099  
055-086  
055-184  
055-185  
055-116  
055-139

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