DSEGenset

DSE

DSE2131
RATIOMETRIC INPUT EXPANSION MODULE

The DSE2131 Ratiometric Input Expansion module is used in conjunction with supported DSENet controllers to provide additional, flexible, input functionality. The module's ID switch is configurable from the module and the 10 inputs can be configured from within the 'host controller'.

The ratiometric inputs can be configured in a number of ways to connect to digital switches, resistive sensors, 0-10 V signals or 4-20 mA signals.

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

The DSE2131 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.

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 0C
BS EN 60068-2-2
Bb/Be Dry Heat +70 0C

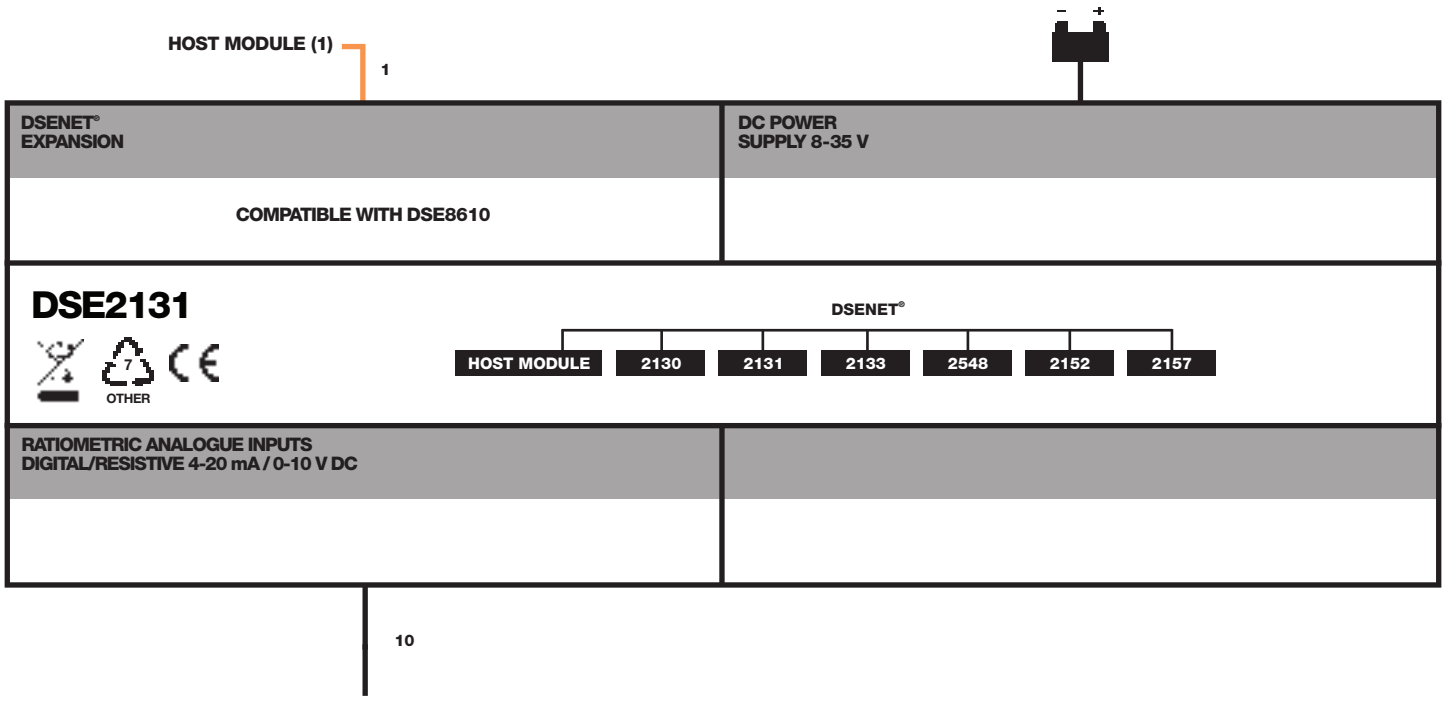
VIBRATION
BS EN 60068-2-6
Ten sweeps in each of three major axes
5Hz to 8Hz @ +/-7.5mm, 8Hz to 500Hz @ 2gn

HUMIDITY
BS EN 60068-2-30
Db Damp Heat Cyclic 20/55 0C
@ 95% RH 48 Hours
BS EN 60068-2-78
Cab Damp Heat Static 40 0C
@ 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



ISSUE 1

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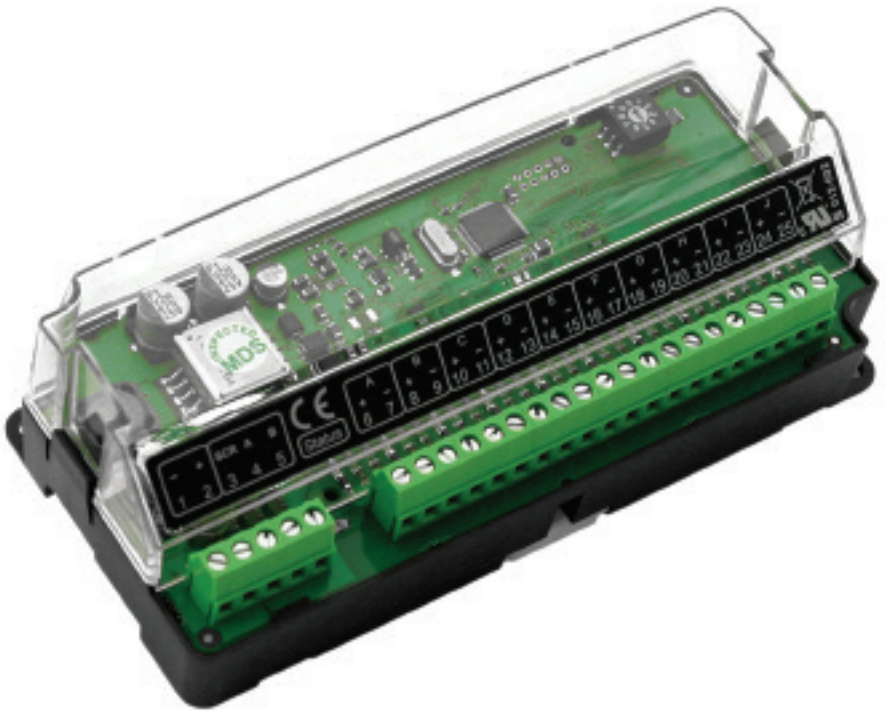

KEY FEATURES
- Power On/Link Lost LED
- 10 inputs configurable for digital/resistive 4-20 mA and 0-10 V AC
- A maximum of 4 modules can be connected to 1 host control module to provide up to 40 additional configurable inputs
- Works up to 1.2 km (0.75 miles) from the host controller
- Terminal strip connection for quick and easy set-up

KEY BENEFITS
- Ideal for applications where additional control monitoring is critical

SPECIFICATION

DC SUPPLY
8V to 35V 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
292 mA at 12 V, 167 mA at 24 V
mA at 24 V

MAXIMUM STANDBY CURRENT
101 mA at 12 V, 66 mA at 24 V

INPUTS
10 inputs configurable for digital/resistive (3k ohms) 4-20 mA and 0-10 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

RELATED MATERIALS

TITLE	PART NO’S
DSE2131 Installation Instructions	053-125
DSE2131 Operator Manual	057-139

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