

DSE2130

DSENET® INPUT EXPANSION MODULE

The DSE2130 is an input expansion module for use with DSENet® compatible control modules. The additional input capabilities of the DSE2130 give OEMs the flexibility to meet increasingly complex industry specifications.

The DSE2130 provides an additional eight digital inputs, with four of these configurable for use as analogue inputs. All inputs are configured within the host controller.

The module incorporates 'DIN' rail and chassis mountings allowing convenient fixing into a panel.

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

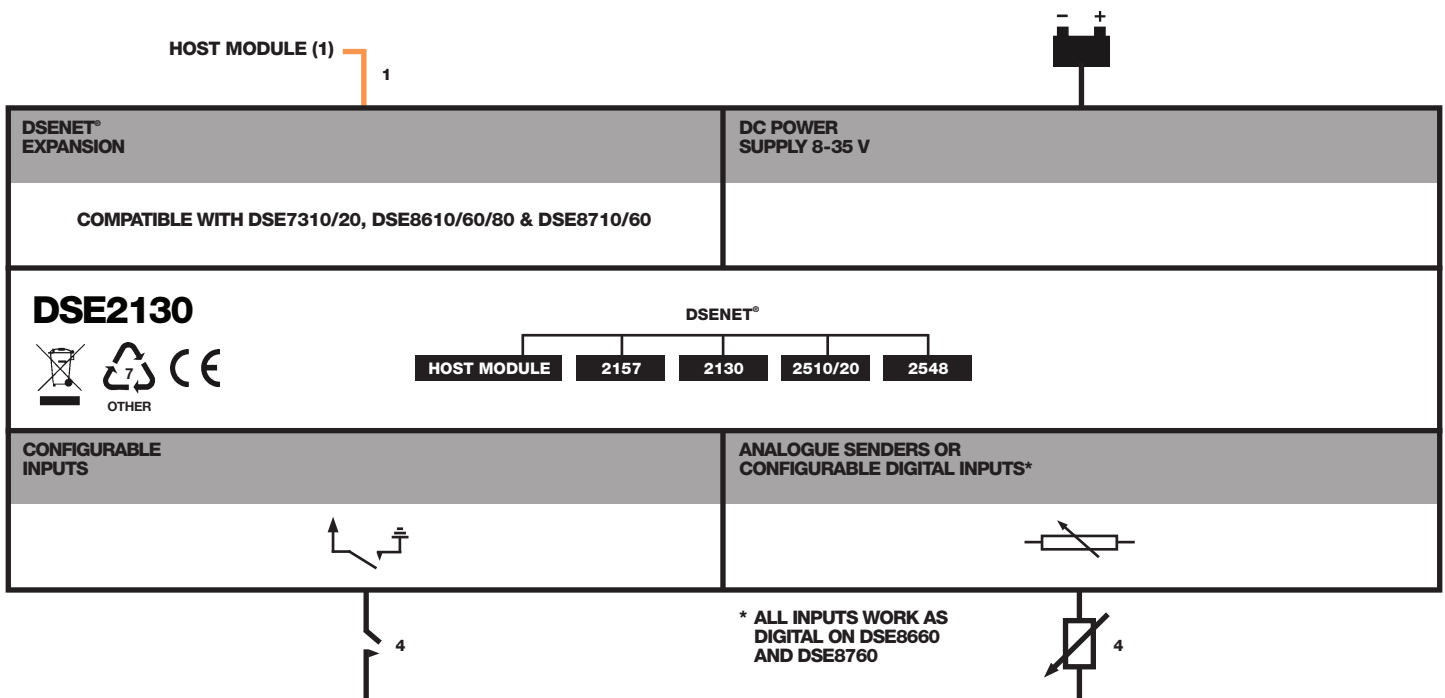
HUMIDITY

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
 200 mA at 12 V, 100 mA at 24 V

MAXIMUM STANDBY CURRENT
 120 mA at 12 V, 60 mA at 24 V

DIMENSIONS
OVERALL
 134 mm x 76 mm x 49 mm
 5.3" x 3" x 1.9"

KEY FEATURES

- Power On/Link Lost LED
- 4 Modules can be connected to 1 host controller at a time
- Can provide up to 32 additional inputs
- Works up to 1.2 km (0.75 miles) from the host module
- Terminal strip connection for quick and easy set-up

ID SWITCH

The rotary ID switch is used to select the address of the DSE2130 expansion module, as the host control module is capable of working with up to four DSE2130 expansion modules at the same time.

RELATED MATERIALS

TITLE
 DSE2130 Installation Instructions
 DSE2130 Operator Manual

PART NO'S
 053-033
 057-082

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