

# DSEEXTRA<sup>®</sup> BATTERY CHARGERS AND EXPANSION MODULES.

## DSE130

INPUT EXPANSION CONTROL MODULE



The DSE130 is an input expansion system used to provide modules within the DSEControl<sup>®</sup> and DSEPower<sup>®</sup> Series (excluding the DSE51xx and DSE52xx) with additional input capabilities.

### FEATURES

- Eight digital inputs
- Two analogue inputs
- Four way connection socket for integrating DSE549
- Remote signaling

### BENEFITS

- Designed for mounting inside a control panel
- Two part connector with screw terminals for easy connection
- Provides option of further expansion by offering support for the DSE549 remote annunciator

### OPERATION

All inputs are fully configurable via the host controller, which then monitors the DSE130 to ensure the data connection remains intact.

If the connection is removed or broken, an alarm is initiated on the host module. If DC power remains, the 'link lost' LED will flash.

The module also provides a 4-way socket for connection to the DSE549. Protection is provided for the data connection via LED, which will illuminate or flash if the connections are faulty.

# DSE

### 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.

#### MAXIMUM OPERATING CURRENT

150mA at 12V, 81mA at 24V. This maximum current includes connection of the P549 remote annunciator which is powered by the P130.

#### EXPANSION DIGITAL INPUTS 1-8

Switch to battery negative. Can be normally open / normally closed.

#### EXPANSION ANALOGUE INPUTS 1-2

Suitable for resistive type senders operating from 0Ω - 480Ω

#### DIMENSIONS

171mm x 115mm x 49mm  
6.7" x 4.5" x 1.9"

### ENVIRONMENTAL TESTING STANDARDS

#### ELECTRO MAGNETIC CAPABILITY (EMC)

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

#### ELECTRICAL SAFETY

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

#### TEMPERATURE

BS EN 60068-2-2  
Test Ab to 70°C  
Test Ab to -30°C

#### VIBRATION

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

#### HUMIDITY

BS EN 60068-2-30  
Test Db 95% RH @ 55°C for 12 hours

#### SHOCK

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

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**RELATED MATERIALS**

| TITLE                        | PART NO'S | TITLE                   | PART NO'S |
|------------------------------|-----------|-------------------------|-----------|
| DSE5310 & DSE5320 Data sheet | 055-038   | DSE5520 Manual          | 057-016   |
| DSE5310 Manual               | 057-013   | DSE5560 Data sheet      | 055-041   |
| DSE5320 Manual               | 057-014   | DSE5560 Manual          | 057-017   |
| DSE5510 Data sheet           | 055-039   | DSE549 Data sheet       | 055-048   |
| DSE5510 Manual               | 057-015   | 52/53xx Software Manual | 057-006   |
| DSE5520 Data sheet           | 055-040   | 55xx Software Manual    | 057-007   |

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