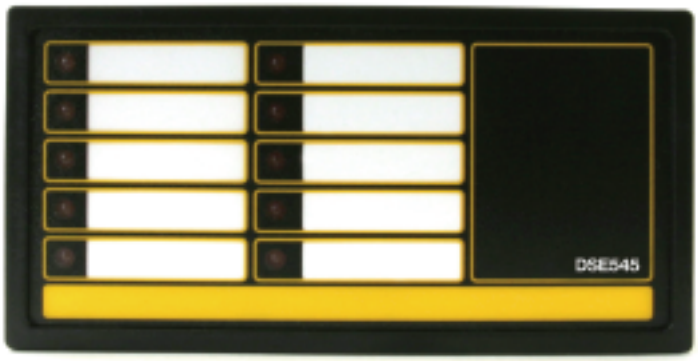
DSEEXTRA®
BATTERY CHARGERS AND EXPANSION MODULES.

DSE545 & DSE548
LED EXPANSION CONTROL MODULES



DSE545

DSE548

The DSE545 and DSE548 are LED expansion modules for the DSE52xx, DSE53xx and the DSEPower® Series.

The modules have been designed to display a maximum of eight local or remote (max 50 metres) individual LED indications.

The DSE545 is presented in a horizontal enclosure and the DSE548 is presented in a vertical enclosure.

FEATURES
- Eight configurable LEDs
- Works up to 50 meters from the host module
- Two modules can be linked together to provide 16 LED indicators
- Interconnecting FCC 68 cable for quick installation

OPERATION
The LED's are configured using the host module and the appropriate PC software interface.

The LED's can be configured to be either:

- Extinguish on command
- Light on command

An additional LED indicates that a DC power supply is being received. There is also a flashing 'Link Lost' LED fitted to indicate any communication problems with the host module. When using two expansion modules together each module should be identified as either 'A' or 'B'. This is done by positioning the selector switch on the rear of each module.

SPECIFICATION

DC SUPPLY
Powered from the plant battery or from a low voltage supply between 8V and 35V continuous. It is able to survive 0V for 50ms during cranking, providing supply was at least 10V before dropout and recovers to 5V. This is achieved without the need for internal batteries.

MAXIMUM OPERATING CURRENT
20mA @ 12V, 26mA @ 24V

MAXIMUM STANDBY CURRENT
107mA @ 12V, 113mA @ 24V

A OR B MODE SELECTOR
Recessed Jumper Selector on rear

DSE545 DIMENSIONS
72mm x 144mm x 59mm DIN rail mounted housing
2.8" x 5.7" x 2.3"

DSE548 DIMENSIONS
144mm x 72mm x 59mm DIN rail mounted housing
5.7" x 2.8" x 2.3"

DSE545 CUT OUT
68mm x 138.5mm
2.7" x 5.5"

DSE548 CUT OUT
138.5mm x 68mm
5.5" x 2.7"

INDICATIONS
Power On LED
Link Lost (to controller) LED Flashing
8 Configurable LED's

CONFIGURATION
The module will automatically respond to signals from the host module. The module must be configured via the host module and a PC. The Expansion LED's are numbered from 1 to 8 and appear on the output configuration menu.

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
DSE5210 & DSE 5220 data sheet	055-037	DSE5510 data sheet	055-039
DSE5210 manual	053-023	DSE5510 manual	057-015
DSE5220 manual	057-016	DSE5520 data sheet	055-040
DSE5310 & 5320 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
52/53xx Software Manual	057-006	55xx Software Manual	057-007