

DSE[®]EXTRA[®] BATTERY CHARGERS AND EXPANSION MODULES.

DSE157

OUTPUT RELAY EXPANSION MODULE



The DSE157 is an output relay expansion module for use with DSEControl[®] and DSEPower[®] Series Modules (excluding DSE51xx).

The DSE157 has been designed to extend a host modules output capabilities. The additional capabilities allow OEM's to meet increasingly complex industry specifications.

The module incorporates 'DIN' rail mountings and an interconnecting FCC 68 cable, allowing quick fixing into a panel. The module will work up to 50 meters from the host control module.

FEATURES

- 8 configurable relay contacts
- Plug and socket host connection for quick and easy set-up
- Two DSE157 modules can be linked together to provide 16 additional outputs (DSE53xx and DSE55xx modules only).

CONFIGURATION

The DSE157 is configured via the host control module and PC software.

Relay contacts can be configured to be either:

- de-energised - open on command
- energised - close on command

When using two DSE157's together, each module needs to be identified as either 'A' or 'B'. This can be done via the small selector switch on the circuit board.

DSE

SPECIFICATION

DC SUPPLY

The DSE157 is 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 supply recovers to 5V. This is achieved without the need for internal batteries.

MAXIMUM OPERATING CURRENT

120mA @ 12V, 70mA @ 24V

MAXIMUM STANDBY CURRENT

25mA @ 12V, 18mA @ 24V

AUXILIARY RELAY CONTACTS

5Amp DC rated voltage free

DIMENSIONS

DIN Rail mounted housing
72mm x 160mm x 77mm
2.8" x 6.3" x 3"

SELECTOR SWITCHES

Test - Operates all relays to test operation
Unused - No function
Enable Lamp Test - Relays will energise on receipt of a lamp test signal from host module
A/B Select - Determines whether the 157 responds to signals for expansion A or B relays

INDICATIONS

Lit LED - Power On
Flashing LED - Link lost (to controller)
8 Relay active LED's

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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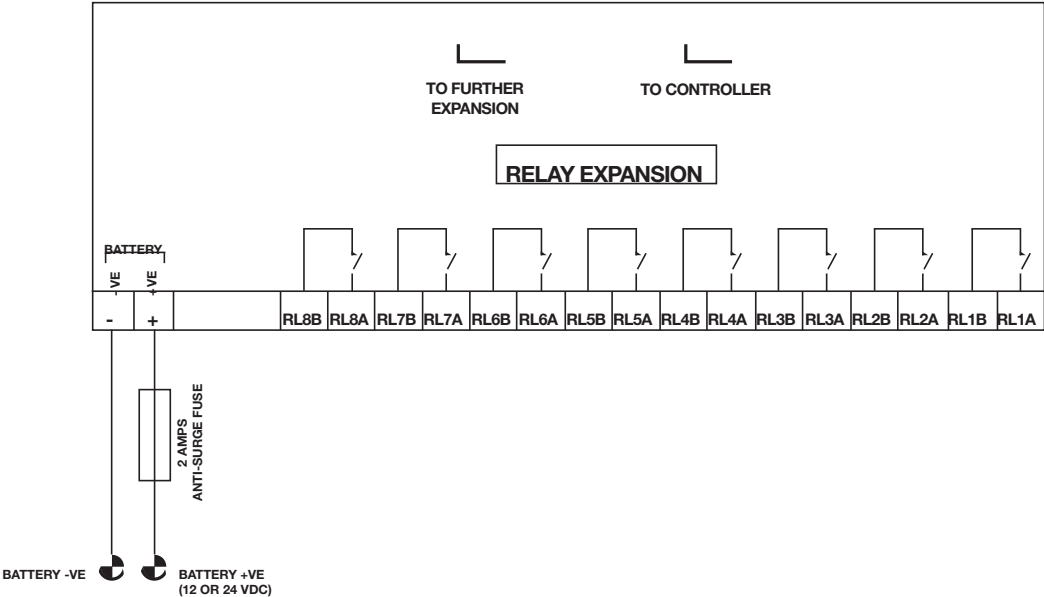
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DSE157



RELATED MATERIALS

TITLE

DSE5210 & 5220 data sheet
DSE5210 manual
DSE5220 manual
DSE5310 & 5320 data sheet
DSE5320 manual
DSE5310 manual
52/53xx Software Manual
55xx Software Manual

PART NO'S

055-037
053-023
057-016
055-038
057-014
057-013
057-006
057-007

TITLE

DSE5510 data sheet
DSE5510 manual
DSE5520 data sheet
DSE5520 manual
DSE5560 data sheet
DSE5560 manual

PART NO'S

055-039
057-015
055-040
057-016
055-041
057-017

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