

DSEEXTRA[®] 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.

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

DEEP SEA ELECTRONICS PLC

Highfield House
 Hunmanby Industrial Estate
 Hunmanby, North Yorkshire
 YO14 0PH England

TELEPHONE

+44 (0)1723 890099

FACSIMILE

+44 (0)1723 893303

EMAIL

sales@deepseapl.com

WEBSITE

www.deepseapl.com

Registered in England & Wales No.01319649

VAT No.316923457

DEEP SEA ELECTRONICS PLC THAILAND

TPI Tower, Lobby 3
 Floor 27, 26-56 Chan New Road
 Tungmahamek, Sathom
 Bangkok 10120, Thailand

TELEPHONE

+66 (0) 2678 3028

FACSIMILE

+66 (0) 2670 6228

EMAIL

sales@dseplc.com

WEBSITE

www.deepseapl.com

DEEP SEA ELECTRONICS INC USA

3230 Williams Avenue
 Rockford
 IL 61101-2668 USA

TELEPHONE

+1 (815) 316 8706

FACSIMILE

+1 (815) 316 8708

EMAIL

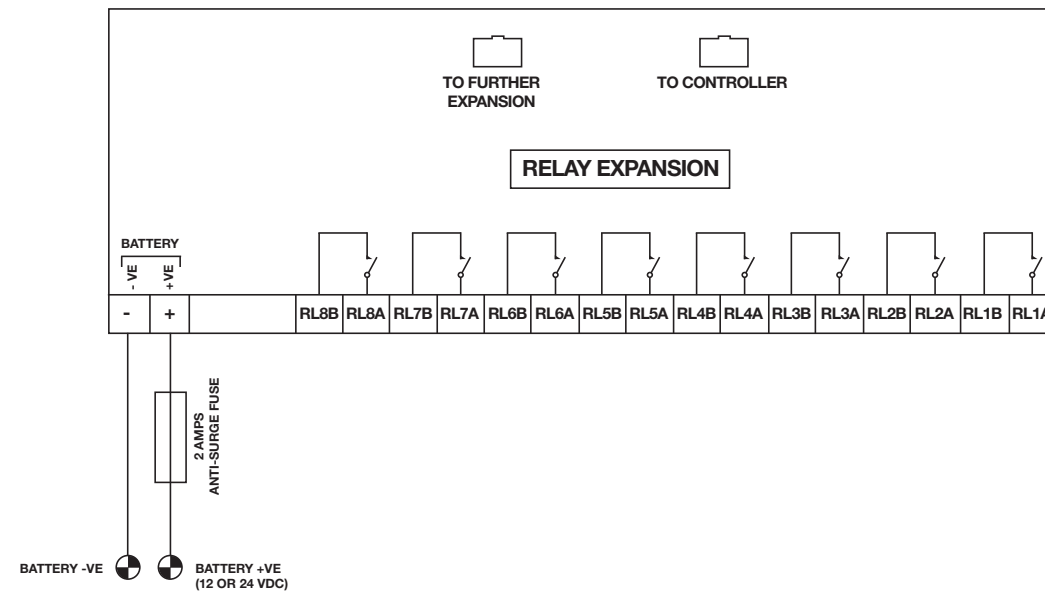
sales@deepseausa.com

WEBSITE

www.deepseausa.com



DSE157

**RELATED MATERIALS**

TITLE	PART NO'S
DSE5210 & 5220 data sheet	055-037
DSE5210 manual	053-023
DSE5220 manual	057-016
DSE5310 & 5320 data sheet	055-038
DSE5320 manual	057-014
DSE5310 manual	057-013
52/53xx Software Manual	057-006
55xx Software Manual	057-007

TITLE	PART NO'S
DSE5510 data sheet	055-039
DSE5510 manual	057-015
DSE5520 data sheet	055-040
DSE5520 manual	057-016
DSE5560 data sheet	055-041
DSE5560 manual	057-017

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