DSENET®
EXPANDING WITH EASE.

DSE2510 & DSE2520
REMOTE DISPLAY MODULES

The DSE2510 and DSE2520 are display modules designed to work with the DSE7310 Auto Start and DSE7320 Auto Mains (utility) Failure control modules.

Up to three display modules can be connected to one host control module. They can be up to 1km away. The remote displays offer exactly the same instrumentation, control and monitoring capabilities as the host control module, including starting and stopping of the engine.

All three remote displays will show the same information at any one time, while the host controller is able to display different information.

The modules are simple to operate and feature the same user-friendly menu layout as the host module. All communications and programming are done via the host module only. The remote devices simply mirror the programming of the host module making the system quick and easy to install.

BENEFITS
- Expands the application possibilities of the DSE73xx Series by offering remote control and monitoring from up to 3 individual locations.

OPERATION
The remote displays are operated via the START, STOP, AUTO and MANUAL soft touch membrane buttons on the front panel. The DSE2520 also has a TEST button. Both versions include load switch buttons. The main menu system is accessed using the five navigation buttons to the left of the LCD display.

For a detailed list of module features, please refer to the DSE7310 & DSE7320 Data Sheet.

SPECIFICATION

DC SUPPLY
Continuous voltage rating
8V to 35V Continuous

CRANKING DIP PROTECTION
Able to survive 0V for 50 mS, providing supply was at least 10V before dropout and supply recovers to 5V. This is achieved without the need for internal batteries

MAXIMUM STANDBY CURRENT
160mA at 12V 80mA at 24V

MAXIMUM OPERATING CURRENT
340mA at 12V 160mA at 24V

DIMENSIONS OVERALL
240mm x 181.1mm x 41.7mm
9.4" x 7.1" x 1.6"

PANEL CUT-OUT
220mm x 160mm
8.7" x 6.3"
Max panel thickness 8mm (0.3")

ENVIRONMENTAL TESTING STANDARDS

ELECTRO MAGNETIC CAPABILITY
BS EN 61000-6-2
EMC Generic Immunity Standard (Industrial)
BS EN 61000-6-4
EMC Generic Emission Standard (Industrial)

ELECTRICAL SAFETY
BS EN 60950
Safety of Information Technology Equipment, including Electrical Business Equipment

TEMPERATURE
Cold -30°C 60068-2-1
Hot +70°C 60068-2-2

VIBRATION
BS EN 60068-2-6
Ten sweeps at one octave/minute in each of three major axes
5Hz to 8Hz @ +/-7.5mm constant displacement
8Hz to 500Hz @ 2gn constant acceleration

HUMIDITY
BS EN 60068-2-30
Test Db Cyclic
93% RH @ 40°C for 48 hours

SHOCK
BS EN 60068-2-27
Three half sine shocks in each of three major axes
15gn amplitude, 11mS duration

BS EN 60529 DEGREES OF PROTECTION PROVIDED BY ENCLOSURES
- IP65 (Front of module when installed into the control panel with the supplied sealing gasket)

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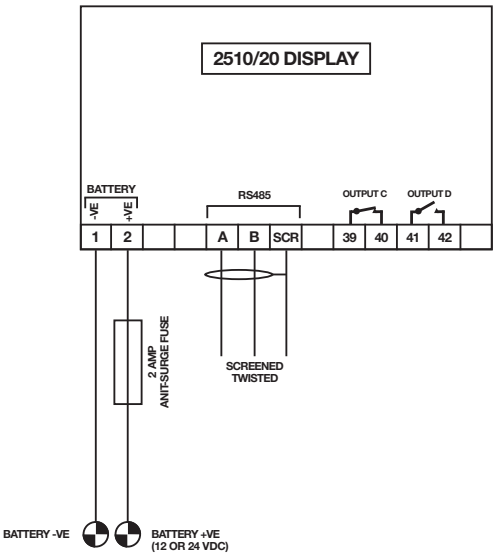
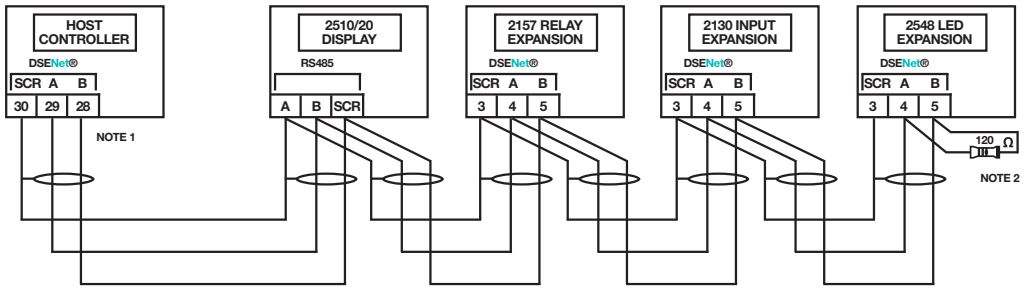
DSE2510 & 2520 TYPICAL CONNECTION



MULTIPLE EXPANSION MODULES

NOTE: The connections from one module to another MUST be in a daisy chain fashion as shown. The cable must run IN to the terminals, then OUT again. Spurs should be avoided where possible. If this is not possible, they should be no longer than one metre (one yard). Failure to observe this may lead to intermittent or broken communications link.



NOTE 1
AS A TERMINATING RESISTOR IS INTERNALLY FITTED TO THE HOST CONTROLLER, THE HOST CONTROLLER MUST BE THE FIRST UNIT ON THE DSENet®

NOTE 2
A 120 OHM TERMINATION RESISTOR MUST BE FITTED TO THE LAST UNIT ON THE DSENet®

RELATED MATERIALS

TITLE	PART NO'S
DSE2510&DSE2520 Installation Instructions	053-064
DSE2510&DSE2520 Manual	057-105
DSE7310&DSE7320 Data Sheet	055-051
DSE7310 Installation Instructions	053-028
DSE7320 Installation Instructions	053-029
DSE7510&DSE7530 Manual	057-074
DSE73xx Configuration Suite PC Software Manual	057-077

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