

# DSE850

## MULTI-SET COMMS SOFTWARE

Deep Sea Electronics DSE850 Multi-Set Communications Software has been designed to work with the DSEPower Series Load Share Control Modules (DSE55xx and DSE75xx). The software is scheduled to be compatible with additional DSE controllers in the near future.

The DSE Ethernet controller is connected to the internet and all DSE control modules that are on-site. The Ethernet controller requires a fixed internal IP address that can be configured to be visible over the internet (using a third party external router). Once the IP address can be accessed over the internet sites can be viewed from any internet connection in the world.

The system has been designed to display information on a maximum of 16 gen-sets and 4 mains (utilities) or 24 gen-sets with no mains (utilities). The software is easy to set up and DSE controllers can easily be added to the system using the software's intuitive 'Add Controller' page.

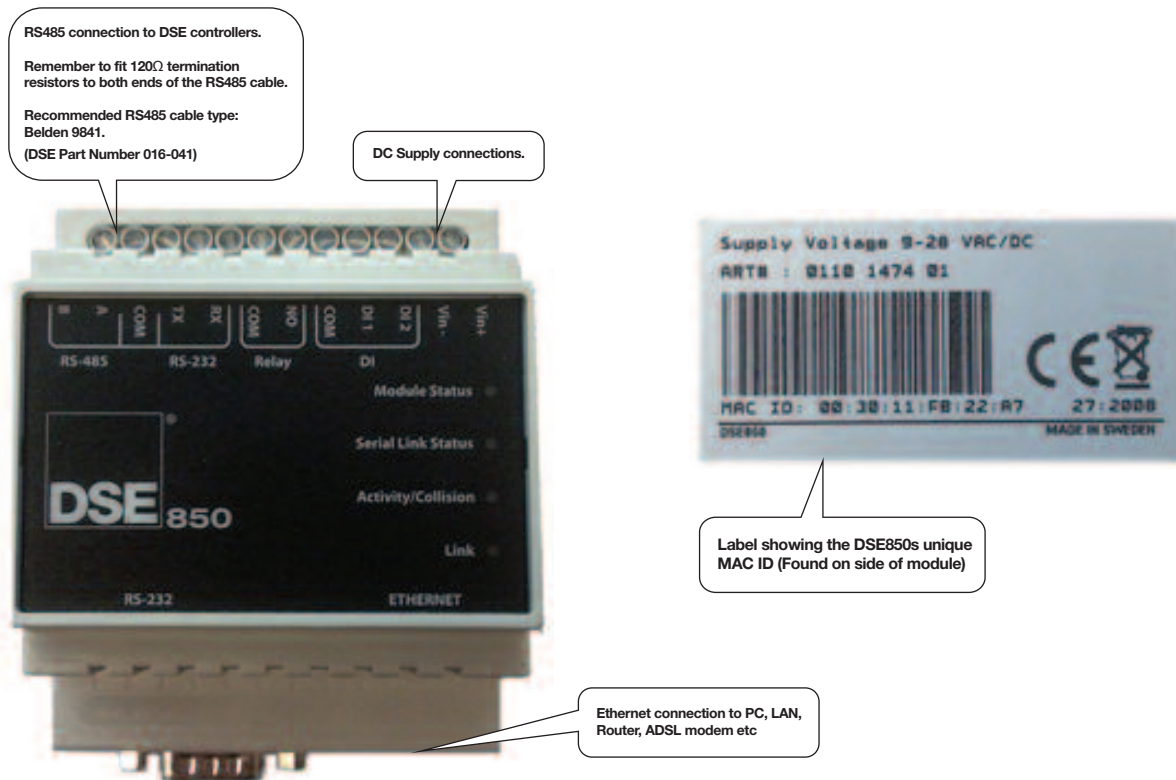
The Ethernet device includes RS232 and RS485 communications ports. The data taken from the DSE controllers is refreshed every 1-11 seconds (dependent on connection speed).

### ENVIRONMENTAL TESTING STANDARDS

**EMISSION**  
EN 55011(1998)

**IMMUNITY**  
EN 61000-6-2(2005)  
EN 61000-4-3  
EN 61000-4-6  
EN 61000-4-2  
EN 61000-4-4  
EN 61000-4-5

## DSE850 TYPICAL CONNECTIONS



# DSE850

## MULTI-SET COMMS SOFTWARE



### FEATURES

- Clear alarms & re-start generators
- Multiple password levels (Read only, minor changes, full control)
- Log into system from any web connection (using third party external router)
- Multi or single set compatible
- Easy to use graphical interface
- System overview screen with instant status indication of gensets
- Fully detailed controller screens
- User configurable data logging
- Logs can be downloaded to a local computer for importing data into spreadsheets
- Alarms with multiple trigger levels
- RS232 and RS485 communications ports

- Common screen layouts for ease of use
- Email support
- Remotely upgradeable firmware
- Controller communication log page
- Colour engine status indicators  
Blue = At rest  
Green = Running OK  
Grey = Lost contact  
Yellow = Warning alarm  
Red = Shutdown
- Software can display site names on each page for easy identification

### BENEFITS

- View site status quickly and easily
- System can send email notification in the event of a change in engine status, engine

- warning or engine shutdown to a defined email address (using third party external router)
- Alarms can be cleared and generators re-started (If no site maintenance is required)
- Software can be used to identify trends in engine behaviour
- Allows multiple sites to be monitored from one location (Each site needs its own IP address)
- Full module control
- Gives information for basic fault finding diagnosis before attending site
- Can be used on an intranet site for monitoring internally

### SPECIFICATION

#### ETHERNET CONNECTION

10Base-T or 100Base-TX (IEEE 802.3). RJ45 connector

#### INDICATORS FOR:

Module status  
Serial link status  
Activity/Collision  
Link

#### SERIAL INTERFACES

RS-232 with full modem control (RTS, CTS, DCD, DTR, DSR, RI)  
300-115.200bps, 9-pole DSUB connector  
RS485 Half Duplex  
RS232 Tx, Rx Lines only

#### POWER SUPPLY

9-28VAC/DC (2W)

#### TEMPERATURE RANGE

Operating: -40 to 85°C  
Storage: -40 to 85°C

#### HUMIDITY RANGE

5-93% RH, non-condensing

#### COVER MATERIAL

Grey plastic, LEXAN 940, self-extinguishing acc. To UL94-V0

#### MOUNTING OPTION

DIN rail (EN 50022)

### RELATED MATERIALS

#### TITLE

DSE850 Installation Instructions  
DSE850 Manual  
DSE7510 Data Sheet  
DSE7520 Data Sheet  
DSE7560 Data Sheet

#### PART NO'S

053-055  
057-091  
055-065  
055-066  
055-067

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