

# DSE855



## KEY FEATURES

- Supports a wide range of DSE controllers.
- Converts supported DSE controller's USB port to an Ethernet port.
- In-built web server for use over an internal network and the internet.
- Simple configuration of DSE855 via an internet browser.
- Remote control and monitoring of the connected supported DSE controller.
- Option for multiple users to restrict access permissions.
- Supports MODBUS TCP via Ethernet port.
- LED status indication on the device to aid fault finding.

## KEY BENEFITS

- Allows up to four users from different locations to monitor a DSE controller's status.
- Allows integration of DSE controllers into building management systems (BMS).
- DIN rail mounting allows the device to be installed securely into a panel.
- Generic connectors for simple plug-in operation.
- Firmware upgradeable via a USB memory device or OTA (Over The Air) using the internet.
- No additional PC software required as DSE855 configuration is achieved using the in-built web server.

## SPECIFICATION

### DC SUPPLY

**CONTINUOUS VOLTAGE RATING**  
8 V to 35 V Continuous

### CRANKING DROPOUTS

Able to survive 0 V for 100 ms, providing supply was at least 10 V before dropout and supply recovers to 5 V. This is achieved without the need for internal batteries. LEDs and backlight will not be maintained during cranking.

### MAXIMUM OPERATING CURRENT

123 mA at 12 V  
71 mA at 24 V

### MAXIMUM STANDBY CURRENT

104 mA at 12 V  
63 mA at 24 V

### COMMUNICATIONS

USB (Single DSE Controller)  
Ethernet

### DIMENSIONS

**OVERALL**  
35 mm x 97 mm x 102 mm  
1.4" x 3.8" x 4.0"

### MOUNTING

DIN Rail

### OPERATING TEMPERATURE RANGE

-30 °C to + 70 °C  
-22 °F to + 158 °F

### STORAGE TEMPERATURE RANGE

-40 °C to + 80 °C  
-40 °F to + 176 °F

## RELATED MATERIALS

| TITLE                            | PART NO'S | TITLE                      | PART NO'S |
|----------------------------------|-----------|----------------------------|-----------|
| DSE855 Installation Instructions | 053-159   | DSE6010/20 Data Sheet      | 055-079   |
| DSE855 Operations Manual         | 057-205   | DSE6110/20 Data Sheet      | 055-069   |
| DSEL400/L401 Data Sheet          | 055-162   | DSE6610/20 Data Sheet      | 055-159   |
| DSE4310/20 Data Sheet            | 055-154   | DSE7110/20 Data Sheet      | 055-081   |
| DSE4410/20 Data Sheet            | 055-068   | DSE7110/20 MKII Data Sheet | 055-138   |
| DSE4510/20 Data Sheet            | 055-132   | DSE7210/20 Data Sheet      | 055-050   |
| DSE4610/20 Data Sheet            | 055-165   | DSE7310/20 Data Sheet      | 055-051   |

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# DSE855

The DSE855 is a communications device that allows you to monitor a single DSE controller with USB connectivity over a LAN (network) or WAN (internet) connection. This is achieved using the in-built web server or MODBUS TCP.

If the device needs to be seen over the internet, the internet router's IP address has to be configured to be visible to the outside world. Once this has been done the DSE855 can be communicated with from any remote location that has internet connectivity. The device has been designed to work with a wide range of DSE controllers.

The device also includes an LED indicator that shows the operation and connection status at all times.

## COMPATIBLE DSE CONTROLLERS INCLUDE:

### AUTO START MODULES

|         |             |
|---------|-------------|
| DSEL400 | DSE6110     |
| DSEL401 | DSE6610     |
| DSE4310 | DSE7110     |
| DSE4410 | DSE7110MKII |
| DSE4510 | DSE7210     |
| DSE4610 | DSE7310     |
| DSE6010 |             |

### AUTO MAINS FAILURE MODULES

|         |             |
|---------|-------------|
| DSE4320 | DSE6620     |
| DSE4420 | DSE7120     |
| DSE4520 | DSE7120MKII |
| DSE4620 | DSE7220     |
| DSE6020 | DSE7320     |
| DSE6120 |             |

## ENVIRONMENTAL TESTING STANDARDS

### ELECTRO MAGNETIC COMPATIBILITY

BS EN 61000-6-2  
EMC Generic Emission Standard for the Industrial Environment  
BS EN 61000-6-4  
EMC Generic Emission 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 60067-2-2 Hot  
Test Ab to -30 °C 60068-2-1 Cold

### VIBRATION

BS EN 60068-2-6  
Ten sweeps in each of three major axes  
5 Hz to 8 Hz at +/-7.5 mm, 8 Hz to 500 Hz at 2 GN

### HUMIDITY

BS 2011 part 2.1 60068-2-30  
Test Cb Ob Cyclic  
93% RH at 40 °C for 48 hours

### SHOCK

BS EN 60068-2-27  
Three shocks in each of three major axes  
15 GN in 11 ms

## COMPREHENSIVE FEATURE LIST TO SUIT A WIDE VARIETY OF APPLICATIONS

