

# 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

