

DSE2548 DSENet® LED Output Expansion Module

Part Number: 2548-01



Overview

DSE2548 LED expansion module is used in conjunction with compatible DSE controllers to provide additional LED indication functionality. The LEDs are configured in the 'host controller', the DSE2548 module is not itself configured aside from the 'ID switch'

The DSE2548 is an LED expansion module that can be used with all DSENet® compatible control modules. The module has been designed to display a maximum of eight individual LED indications up to a maximum distance of 1 KM (0.6 miles). The DSE2548 is presented in a vertical enclosure. It includes an alarm sounder that is triggered when the host controller detects an alarm condition. The alarm can be muted directly from the DSE2548 using the front push button. The DSE2548 includes individual LEDs for each channel and a 'Power On' LED that flashes when the link with the host controller is lost.

Key Features

- 8 configurable LEDs
- Works up to 1 KM (0.6 miles) from the host controller
- 10 modules can be linked together to one host controller

Product Approvals

- + CE
- + UL Listed: Standard - UL 6200:2019

Product Documentation

053-032 – DSE2548 Installation Instructions
057-084 – DSE2548 Operator Manual



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Registered in England & Wales No.01319649
VAT No.316923457

055-062/08/26 (4)

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Specifications	
DC Supply	
Continuous Voltage Rating	8 V to 35 V DC continuous
Cranking Dropouts	Able to survive 0 V for 50 ms, providing supply was at least 10 V before dropout and supply recovers to 5 V.
Maximum Operating Current	112 mA at 12 V, 53 mA at 24 V
Maximum Standby Current	74 mA at 12 V, 35 mA at 24 V
Digital Outputs	
Number	8
Type	Configurable LEDs
Communications	
DSENet®	Fully isolated
Temperature	
Operating Temperature	-30 °C to +70 °C / -22 °F to +158 °F
Storage Temperature	-40 °C to +85 °C / -40 °F to +185 °F
Dimensions	
Overall (W x H x D)	116.0 mm x 180.0 mm x 42.7mm / 4.57 " x 7.07 " x 1.68 "
Mounting	
Panel	98 mm x 154 mm / 3.86 " x 6.06 "

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Related Products		
DSEgenset®		
DSEG8900	7" Colour Parallel Genset Controller	G8900-01
DSEG8680	Bus Tie Controller	G8680-01
DSEG8660	Mains (Utility) Controller	G8660-01
DSEG8600	Parallel Genset Controller with Integral Heater	G8600-01
DSEG7400	Advanced Single Genset Controller	G7400-01
DSEG7300	Advanced Single Genset Controller	G7300-01
DSE8680	Synchronising Generator Bus Tie Control Module	8680-01
DSE8660 MKII	Auto Transfer Switch & Mains (Utility) Control Module	8660-02
DSE8620 MKII	Synchronising Auto Mains (Utility) Failure Load Share Control Module	8620-02
DSE8610 MKII	Synchronising & Load Sharing Auto Start Control Module	8610-02
DSE7410 MKII	Auto Start Control Module	7410-03
DSE7310 MKII	Auto Start Control Module	7310-03
DSE6120 MKIII	Auto Mains (Utility) Failure Control Module	6120-05
DSE6110 MKIII	Auto Start Control Module	6110-05
DSE6020 MKII	Auto Mains (Utility) Control Module	6020-03
DSEControl®		
DSE800	Engine Only Control Module	E800-01
DSEAts®		
DSE335 MKII	Auto Transfer Switch Control Module	335-11
DSENet®		
DSE2548	DSENet® LED Output Expansion Module	2548-01
DSE2170	DSENet® RTD/Thermocouple/Analogue Output Expansion Module	2170-01
DSE2160	DSENet® Input / Output Expansion Module	2160-01
DSE2157	DSENet® Output Expansion Module	2157-01
DSE2152	DSENet® Analogue Output Expansion Module	2152-01
DSE2133	DSENet® RTD/Thermocouple Input Expansion Module	2133-01
DSE2131	DSENet® Ratiometric Input Expansion Module	2131-01

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Environmental Testing Standards	
Electro-Magnetic Compatibility	
BS EN 61000-6-2	EMC Generic Immunity Standard for the Industrial Environment
BS EN 61000-6-4	EMC Generic Emission Standard for the Industrial Environment
Electrical Safety	
BS EN 61010	Safety of Information Technology Equipment, including Electrical Business Equipment
Temperature	
BS EN 60068-2-1	Ab/Ae Cold Test -30 °C
BS EN 60068-2-2	Bb/Be Dry Heat +70 °C
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 EN 60068-2-30	Db Damp Heat Cyclic 20/55 °C at 95% Relative Humidity 48 Hours
BS EN 60068-2-78	Cab Damp Heat Static 40 °C at 93% Relative Humidity 48 Hours
Shock	
BS EN 60068-2-27	Three shocks in each of three major axes 15 Gn in 11 ms
Degrees of Protection Provided by Enclosures	
BS EN 60529	IP21

Pin Out Description	
Pin	Description
1 to 2	DC Supply
3 to 5	DSENet®

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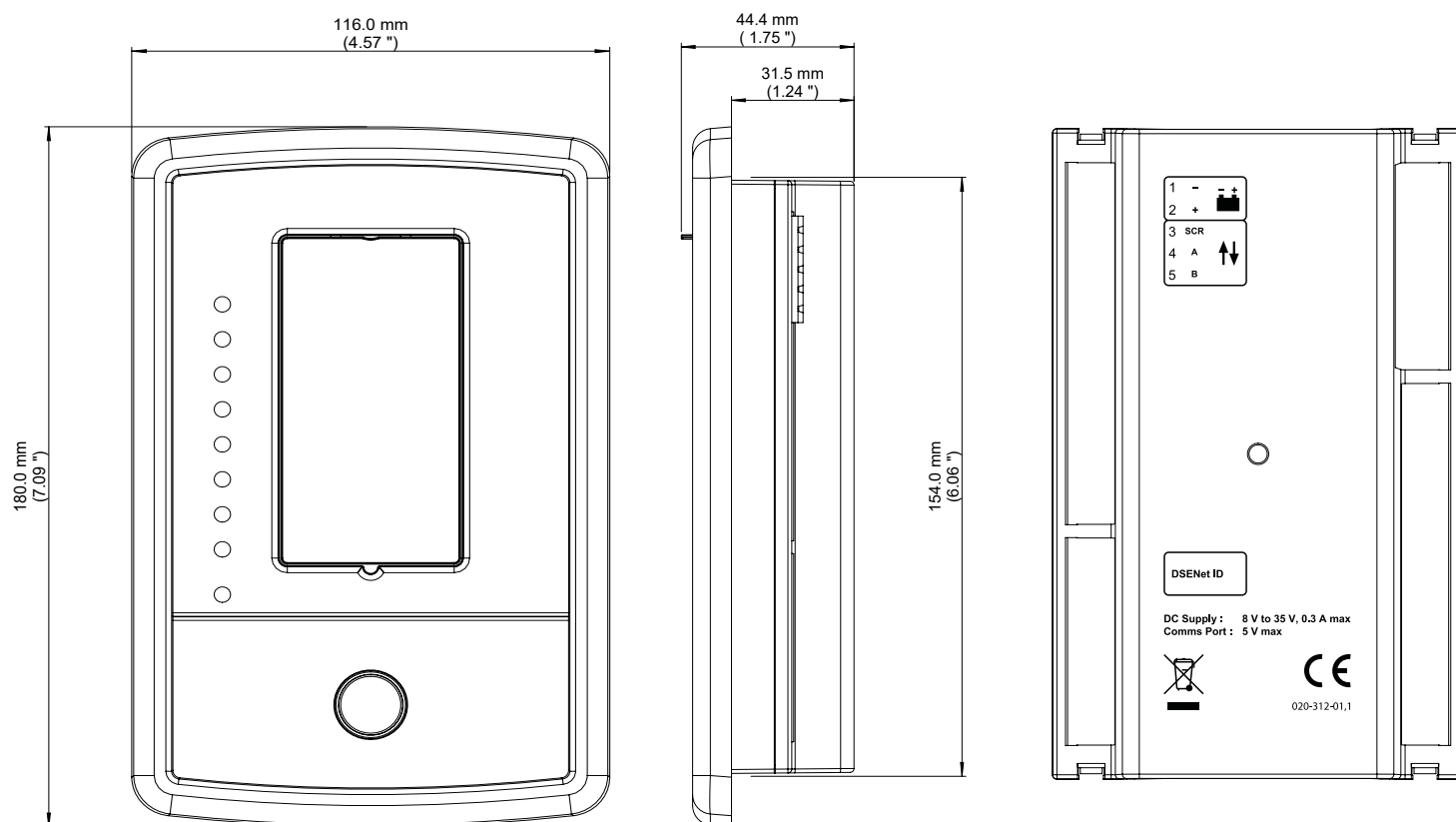
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DSE2548 DSENet® LED Output Expansion Module

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Technical Drawing & Connection Label



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