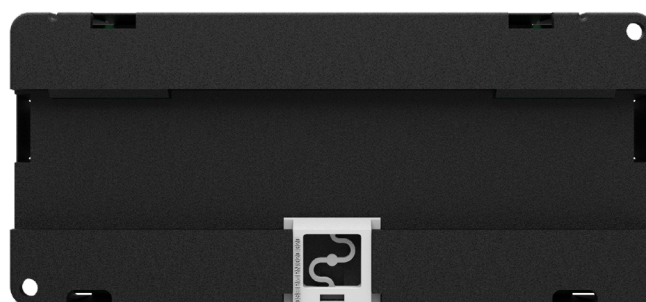
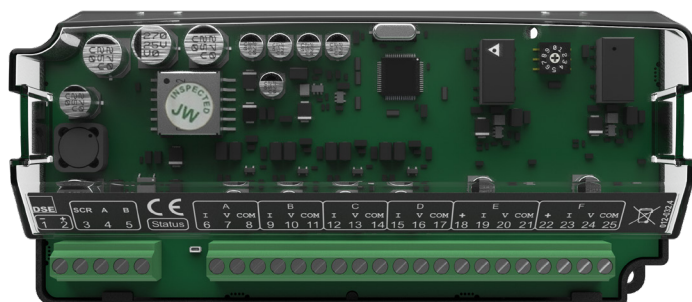


DSE2152 DSENet® Analogue Output Expansion Module

Part Number: 2152-01



Overview

The DSE2152 Analogue Output Expansion Module is used in conjunction with supported DSENet® controllers to provide 6 additional outputs. The outputs can be individually configured as 0 to 10 V or 4 to 20 mA, via the 'host controller'. LED indication is provided for 'power on' and 'link lost'.

The DSE2152 is designed to be mounted within a control panel, either on the panel DIN rail utilising the integral mounts, or chassis mounted, utilising the mounting holes. Up to four DSE2152 modules can be linked together to provide up to 24 additional outputs. An ID switch is provided on the module for identification.

Key Features

- Analogue output expansion module for supported DSENet® controllers
- 6 outputs configurable as 4 to 20 mA (0 to 20 mA) and 0 to 10 V DC
- Power on / link lost LED
- A maximum of 4 modules can be connected to 1 host control module to provide up to 24 additional configurable outputs
- Works up to 1.2 km (0.75 miles) from the host controller
- Terminal strip connection for quick and easy set up
- Simplified configuration using DSE PC Configuration Suite Software through host controller

Product Approvals

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

Product Documentation

053-134 – DSE2152 Installation Instructions
057-141 – DSE2152 Operator Manual



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VAT No.316923457

055-112/08/26 (5)

DSE2152 DSENet® Analogue Output Expansion Module

Part Number: 2152-01

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	440 mA at 12 V, 360 mA at 24 V
Maximum Standby Current	200 mA at 12 V, 170 mA at 24 V
Analogue Outputs	
Number	6
Type	Configurable as: 0 - 10 V 4 - 20 mA
Load Impedance	Minimum 1 k Ω when configured as 0 to 10 V Maximum 600 Ω when configured as 4 to 20 mA
Communications	
DSENet®	1 Expansion Port
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)	164.6 mm x 76.4 mm x 48.9 mm / (6.48 " x 3.01 " x 1.93 ")
Mounting	
DIN Rail	35 mm / 1.35"
Chassis	2 M4 mounting holes with 122.5 mm x 64.5 mm / 4.83 " x 2.54 " centres

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DSE2152 DSENet® Analogue Output Expansion Module

Part Number: 2152-01

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
DSE7420 MKII	Auto Mains (Utility) Failure Control Module	7420-03
DSE7410 MKII	Auto Start Control Module	7410-03
DSE7320 MKII	Auto Mains (Utility) Failure Control Module	7320-03
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
DSEControl®		
DSEE800	Engine Only Control Module	E800-01

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DSE2152 DSENet® Analogue Output Expansion Module

Part Number: 2152-01

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 60950-1	Information Technology Equipment. Safety - General Requirements
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®
6 to 8	Analogue Output A
9 to 11	Analogue Output B
12 to 14	Analogue Output C
15 to 17	Analogue Output D
18 to 21	Analogue Output E
22 to 25	Analogue Output F

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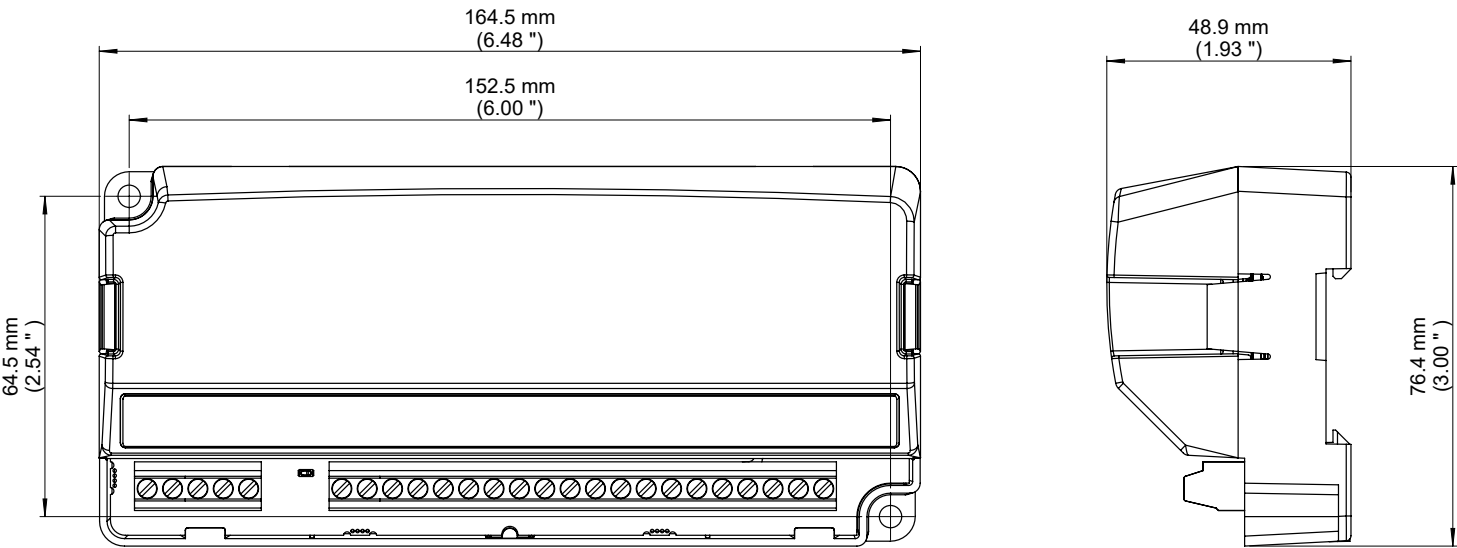
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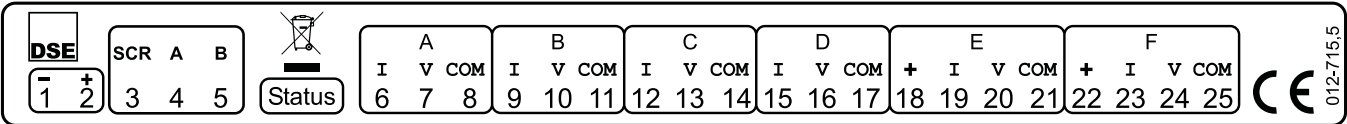
DSE2152 DSENet® Analogue Output Expansion Module

Part Number: 2152-01

Technical Drawing



Connection Label



Product Documentation
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