



## DEEP SEA ELECTRONICS

### DSE9150 12V 3A Battery Charger Installation Instructions

## INSTALLATION

The DSE9150 battery charger is designed to be mounted within a control panel, on the panel DIN rail utilising the integral mounts or on a chassis utilising the mounting holes. For dimension and mounting specifications, kindly refer to the information provided at the lower section of this page.

The battery charger is designed to be low-maintenance. It is capable of staying connected to both the power source and the equipment without the necessity of disabling it during periods of high demand (such as engine cranking) or when in parallel with a charging alternator.



**WARNING! For safe operation, the charger MUST be installed in an enclosure which prevents accidental contact with Hazardous Voltages.**

## BATTERY SUITABILITY

The charger is designed to charge Lead Acid batteries only. Care should be taken to ensure the batteries connected to the charger are Lead Acid type.

## INDICATIONS

The DSE Battery Charger features an LED indicator to show Charger Status.

Function	Action
Charger Status	<ul style="list-style-type: none"><li>• Off when AC supply is not present.</li><li>• Steady during normal operation with AC supply above minimum operating voltage.</li><li>• Slow flashing when connected to an operating charging alternator.</li><li>• Fast pulsing during overload conditions.</li></ul>

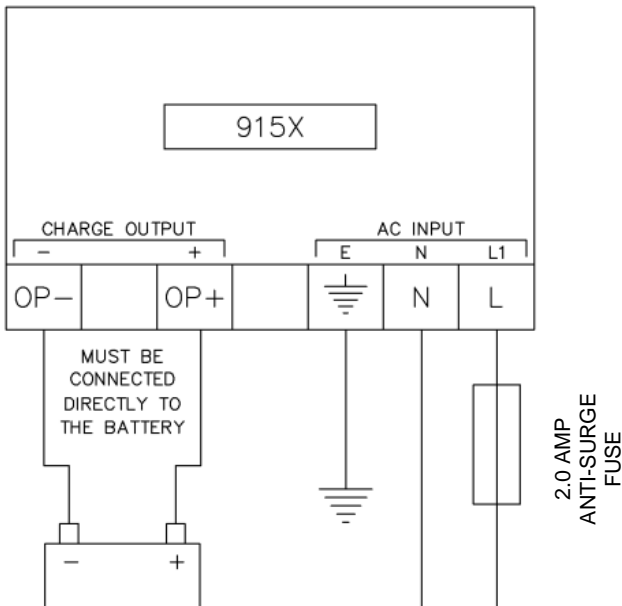
## DIMENSIONS AND MOUNTING

Parameter	Specification
Overall Size	108.03 mm x 101.10 mm x 48.6 mm (4.25 " x 3.98 " x 1.91 ")
Weight	0.16 kg
Mounting Type	DIN rail or chassis mounting
Din Rail Type	EN 50022 35 mm type only
Mounting Holes	Suitable for M4
Mounting Hole Centres	91 mm x 89 mm (4.25 " x 3.51 ")

## SPECIFICATION

Parameter	Specification
Input Voltage (nominal)	110 V-240 V
Input Voltage (absolute range)	DSE9153 12 V 3 A : 90 V-265 V
Charge Failure Relay Rating	3 A DC resistive, 30 V maximum
Operating Temperature	-30 °C to 55 °C (-22 °F to 131 °F)

## TYPICAL WIRING DIAGRAM



Parameter	Specification
Connection Type	Screw terminal, rising clamp, no internal spring
Min Cable Size	0.5 mm <sup>2</sup> (AWG 20)
Max Cable Size	2.5 mm <sup>2</sup> (AWG 14)
Recommended AC Fuse	2.0 A anti-surge
Recommended Cable Size	Refer to operator manual DSE part number 057-085

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This document is intended as a 'quick start' guide only. For full operating instructions and specifications, refer to operator manual DSE part number 057-085