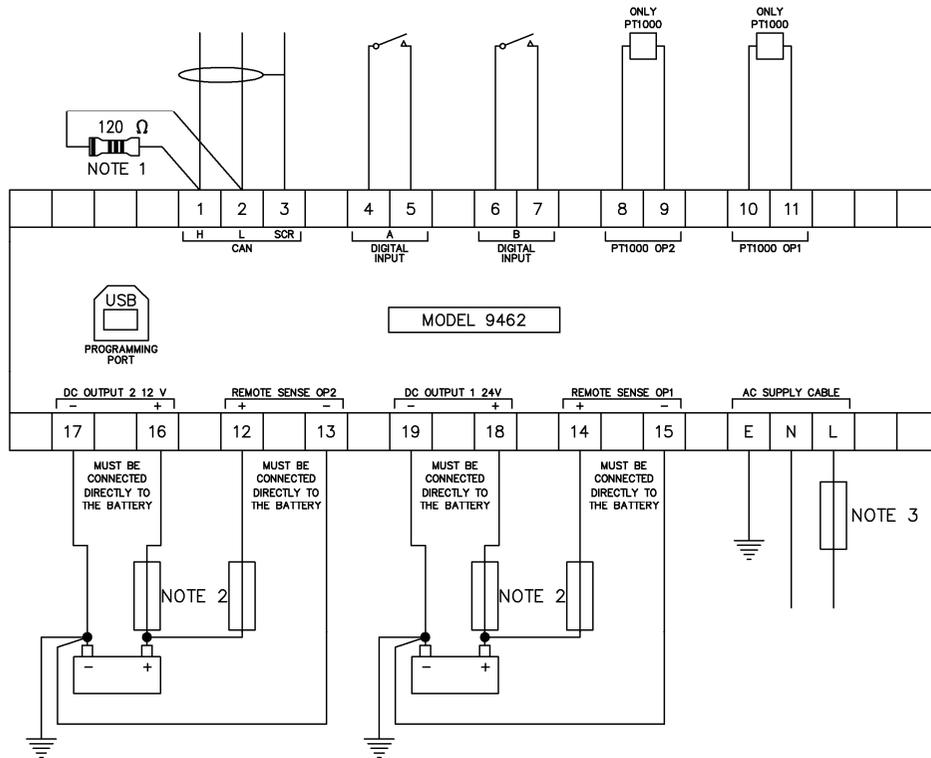


TYPICAL WIRING DIAGRAM



WARNING!: Ensure the Remote Sensing Wires are connect to the correct battery to prevent damage caused by overcharging.



NOTE 1
A 120 OHM TERMINATION RESISTOR MUST BE FITTED IF IT IS THE FIRST OR LAST DEVICE ON THE CANBUS OR RS485 LINK

NOTE 2
FUSE APPROPRIATELY AND AS CLOSE TO THE BATTERY AS POSSIBLE TO PROTECT THE CABLES AND BATTERY

NOTE 3
FUSE APPROPRIATELY AND AS CLOSE TO THE SUPPLY AS POSSIBLE TO PROTECT THE CABLES



DEEP SEA ELECTRONICS
DSE9462 Installation Instructions

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ISSUE 1



DANGER OF DEATH: LIVE PARTS exist within the DSE9462 enclosure.
The enclosure cover must not be removed.

INSTALLATION

The battery charger is designed to be mounted within a control panel, utilising the integral mounting holes. The battery charger is fit-and-forget. It may be permanently connected to the supply and the load, with no requirement to disable the charger during times of heavy load (such as engine cranking) or when in parallel with a charging alternator.

BATTERY SUITABILITY

The charger is factory set by DSE to suit Lead Acid batteries and may be ordered to suit other battery types. Additionally, configuration is possible using the DSE Configuration Suite PC Software to suit other battery types.

Care must be taken to ensure the batteries connected to the charger are of the correct 'technology' to suit the setting of the charger.

INDICATIONS

The DSE9462 Battery Charger features LED indicators to show the battery charger Status.

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SPECIFICATIONS

NOTE: This document is intended as a 'quick start' guide only. For full operating instructions and specifications, refer to DSE publication: **057-255 DSE9462 Operator Manual.**

Description	Specification	
Connection Type	Cage clamp terminals	
Min Cable Size Accepted in Terminal (Battery Connection)	0.08 mm ² (AWG 28)	
Max Cable Size Accepted in Terminal (Battery Connection)	4.0 mm ² (AWG 12)	
Strip Length (Battery Connection)	8 mm to 9 mm (0.31 " to 0.35 ")	
Min Cable Size Accepted in Terminal (Other Connections)	0.08 mm ² (AWG 28)	
Max Cable Size Accepted in Terminal (Other Connections)	2.0 mm ² (AWG 14)	
Strip Length (Other Connections)	7 mm to 8 mm (0.28 " to 0.31 ")	
Recommended AC Fuse	230 V AC Input 10 A anti-surge	110 V AC Input 10 A anti-surge

MAINS SUPPLY CABLE

Connection	Cable Colour
L1	Brown
Neutral	Blue
Earth	Green and Yellow

STATUS LEDS

Each output has its own dedicated LED to show charge status.

Status 1: Charge status of Output 1.

Status 2: Charge status of Output 2.

Condition	Status LED
Output Not Charging (Due to Fault or Charger Off)	Off
Battery Detection Mode	Green Constant
Bulk (Boost) Charge in Progress	Yellow Constant
Absorption Charge in Progress	Yellow Flashing
Float Charge in Progress	Green Constant
Storage Charge in Progress	Green Flashing

FAULT LEDS

Two Fault LEDs, **Fault 1** and **Fault 2** are used to indicate faults. Output 1 and Output 2 share these indications. Where two alarms are present at the same time, the most critical is displayed.

Condition	LED	
	Fault 1	Fault 2
DC Over Volts Warning and Trip DC Under Volts Warning Battery Detection Warning DC Over Current Battery Reverse Polarity Short Circuit Protection Battery Detection Warning	Red Constant	Off
Input Fuse Failure AC Under Voltage Warning and Trip AC Over Volts Warning and Trip DC Over Current Warning Cable Voltage Drop Alarm	Red Flashing	Off
Battery Over Temperature Warning and Trip Battery Temperature Sensor (PT1000) Fail Ambient Over Temperature	Off	Red Constant
Battery Charger Failure	Red Constant	Red Constant
Battery Detection Mode - Battery Not Detected	Red Flashing	Red Flashing

DIMENSIONS AND MOUNTING

NOTE: The DSE battery charger is designed to be mounted with the base to a vertical surface with the connection terminals at the bottom.

Description	Dimension
Case Dimensions	162 mm x 291 mm x 74 mm (6.4 " x 11.5 " x 2.9")
Mounting Holes Dimensions	Suitable for M5 (0.2 " diameter)
Mounting Hole Spacing	95 mm x 279 mm (3.7 " x 11.0 ")
Required Ventilation Spacing	100 mm (3.9 ") air space around the battery charger.