TYPICAL WIRING DIAGRAM

MODULE 890 MKII

RJ45 ETHERNET | USB HOST | GPS ANTENNA | MAIN / DIVERSITY GSM ANTENNAS

DC SUPPLY | BATTERY +VE | 2 DC OUTPUTS | 2 DIGITAL INPUTS | RS485 | CAN

−VE +VE | | GND A B | A B SCR | H L SCR

1 | 2 | 3 4 | 5 6 7 | 8 9 10 | 11 12 13

FUSE APPROPRIATELY

BATTERY +

USER CONFIGURABLE +VE OUTPUT A
USER CONFIGURABLE +VE OUTPUT B
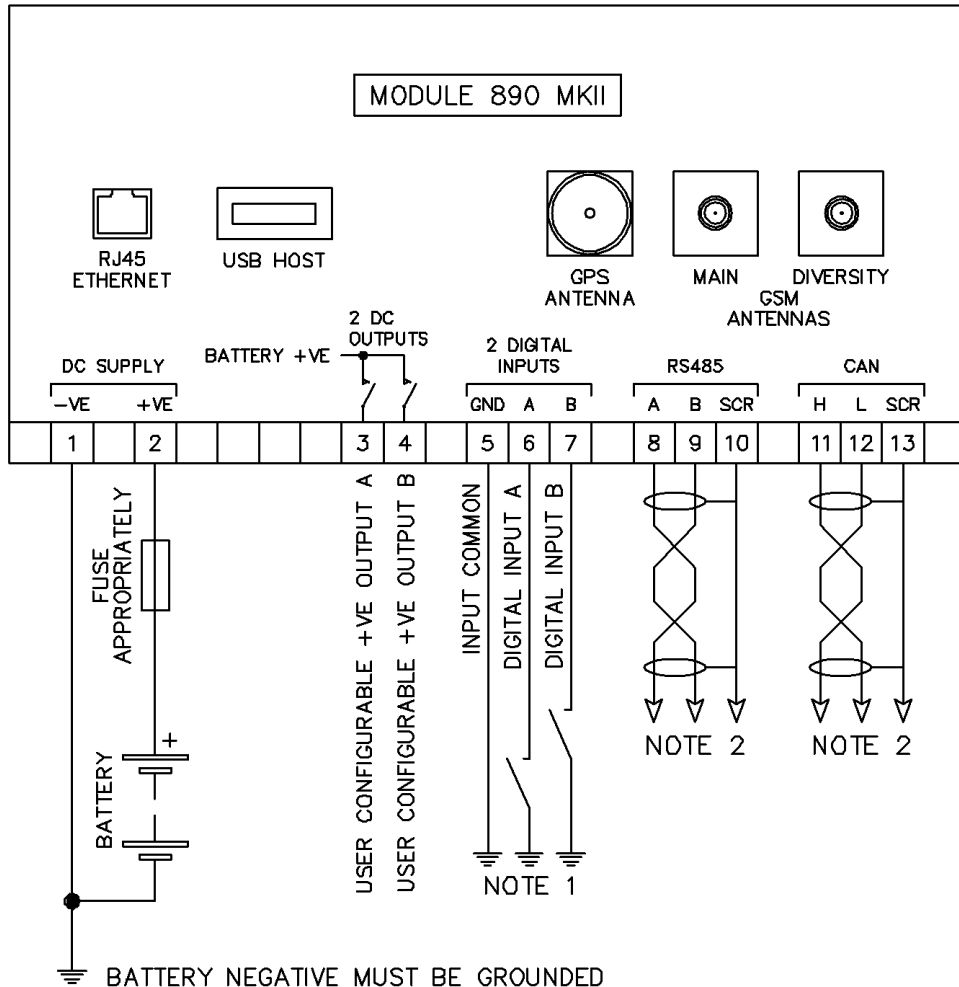
INPUT COMMON
DIGITAL INPUT A
DIGITAL INPUT B

NOTE 2   NOTE 2

NOTE 1

BATTERY NEGATIVE MUST BE GROUNDED

NOTE 1. THESE GROUND CONNECTIONS MUST BE CONNECTED TO THE SAME GROUND AS BATTERY NEGATIVE.

NOTE 2. IF THE MODULE IS FIRST OR LAST UNIT ON THE LINK, IT MUST BE FITTED WITH A 120 OHM TERMINATION RESISTOR ACROSS THE A AND B OR H AND L TERMINALS.

### DSE890 MKII 4G Gateway Installation Instructions

The DSE890 MKII 4G Gateway communicates with the connected DSE module(s) monitoring their instrumentation and operating state. As the data changes, it is logged into the DSEGateway®'s memory. At configured intervals this logged data is transmitted to the DSEWebNet® server using an internet connection provided by the ethernet or GSM (2G, 3G or 4G mobile internet) connections (the SIM card is not supplied by DSE).

Additionally for mobile applications, the DSE890 MKII 4G Gateway contains a GPS location receiver to determine the positioning of the device on the world map on the DSEWebNet®.

LED STATUS
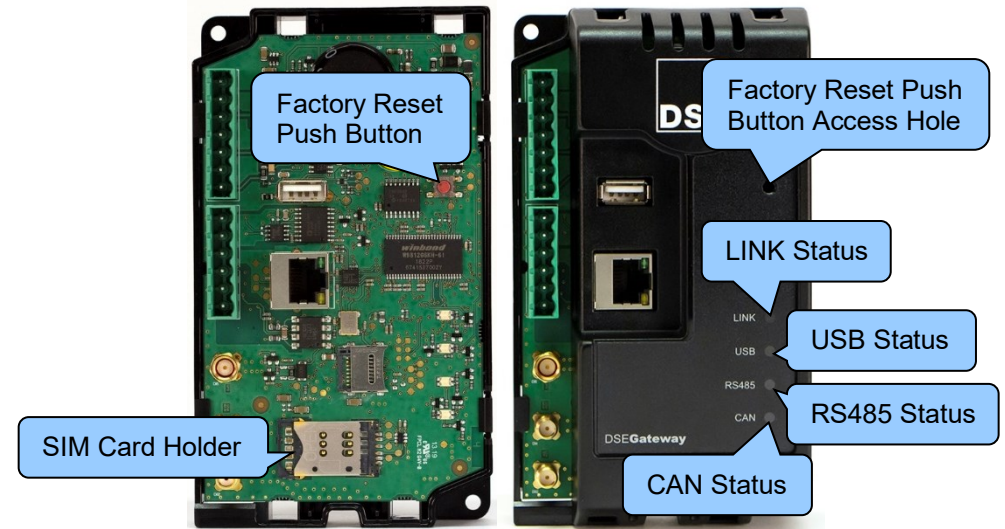
LED	Colour	Description
LINK	Red	No Connection to DSEWebNet® Server
	Green	Connection the DSEWebNet® Server is established
USB	Red	Data Transfer Error
	Green	Data Transfer Ok
RS485	Red	Data Transfer Error
	Green	Data Transfer Ok
CAN	Red	Data Transfer Error
	Green	Data Transfer Ok

ACCESSING SETUP PAGES

> ⚠️ **NOTE: Consult the company IT department before making changes to PC network settings.**
>
> ⚠️ **NOTE: Username and Password are both CASE SENSITIVE.**

1. Connect the DSEGateway® Ethernet port directly to the PC Ethernet port using either a 'straight through' or 'crossover' network cable.
2. Configure your PC to be on a fixed IP address (192.168.1.99) as per below …

IP Address: 192.168.1.99
Subnet Mask: 255.255.255.0

Factory Settings
IP Address: 192.168.1.100
Subnet Mask: 255.255.255.0

3. Using Google Chrome or Internet Explorer, navigate to the address of the DSEGateway® (192.168.1.100) and enter the username and password of the DSEGateway®…

Factory Settings
Name: Admin
Password: Password1234

4. It is now possible to view and configure the DSEGateway®. Make a note of the DSEGateway® ID number. This is required when adding the DSEGateway® to DSEWebNet®.

Make a note of the DSEGateway® ID.

FACTORY DEFAULT SETTINGS

IP Address	Username	Password
192.168.1.100	Admin	Password1234

For further details on how to setup the DSE890MKII 4G Gateway, refer to the following DSE publications available from www.deepseaelectronics.com:

056-121 DSEGateway® Quick Set-Up Guide
057-304 DSE890 MKII 4G Gateway Operator Manual
057-168 DSEWebNet® PC Internet Browser Software Manual

DIMENSIONS AND MOUNTING
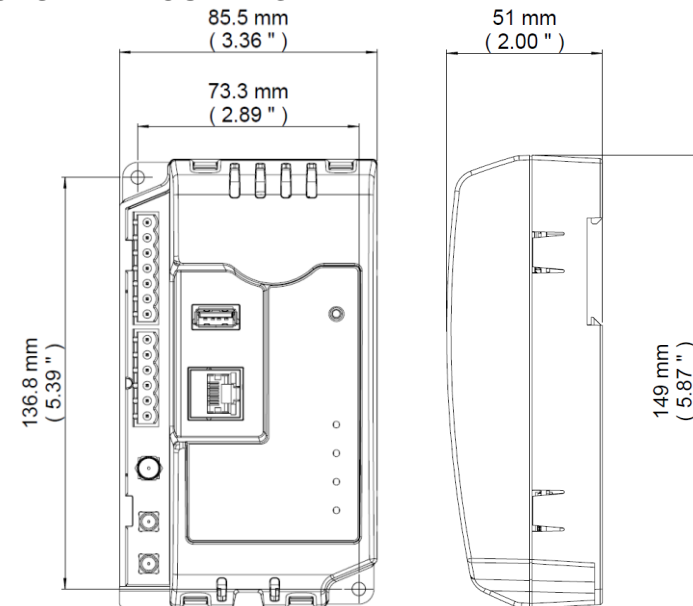
Parameter	Specification
Overall Size	85 mm X 149 mm X 51 mm (3.35 " X 5.85 " X 2.01 ")
Mounting Type	DIN rail or chassis mounting, indoor use only.
DIN Rail Width	EN 50022: 35 mm (1.4 ")
Mounting Holes	M4 (0.25 ")
Mounting Hole Centres	73 mm X 137 mm (2.89 " X 5.39 ")
Operating Temperature	-30 °C to 60 °C (-22 °F to 140 °F)
Operating Temperature for UL Certification	-30 °C to 50 °C (-22 °F to 122 °F)
Storage Temperature	-40 °C to 80 °C (-40 °F to 176 °F)
Weight	0.25 kg (0.55 lbs)