

QNB-1

Quick Network Block

Connections made simple backed up by helpful diagnostics

The Actisense® Quick Network Block (QNB-1) allows backbone networking connections to be made easy and fault-free on National Marine Electronics Association (NMEA) buses and networks.

The QNB-1 is a multi-drop NMEA 2000 network backbone connection block, adhering to the barrier strip connection type detailed in the NMEA 2000 specification documents.

To protect the power hookup, a fused connection is provided to the network backbone.

This allows the current to be limited to the safe level for the network. Two fuses are provided, each powering two halves of the QNB-1, meaning that if the fuse blows to one half of the system, the other half can remain powered.

In the simplest configuration, the QNB-1 can also be used as a simple fused IP66 sealed power connection block.

LED indicators show power status, detect power reversal, and show whether the fuses are still intact.

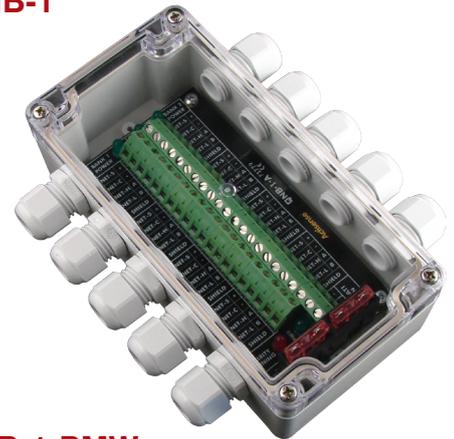
In addition, an indicator is provided to show the presence of data on the connected bus or network.

No software or setup is required.

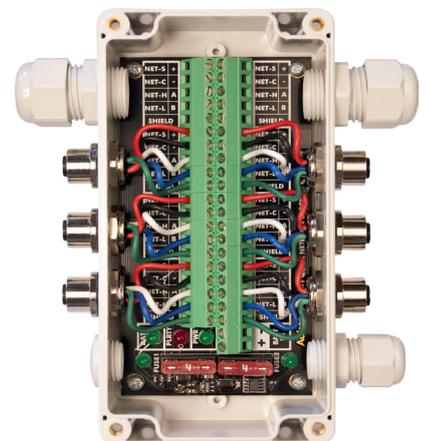
The installation manual provided with the QNB-1 provides example connection diagrams to aid the user with setting up their network.

The QNB-1-PMW version is fitted with six standard NMEA 2000 M12 (micro-fit) female connectors which allow 'plug and play' connections for quick and easy installation.

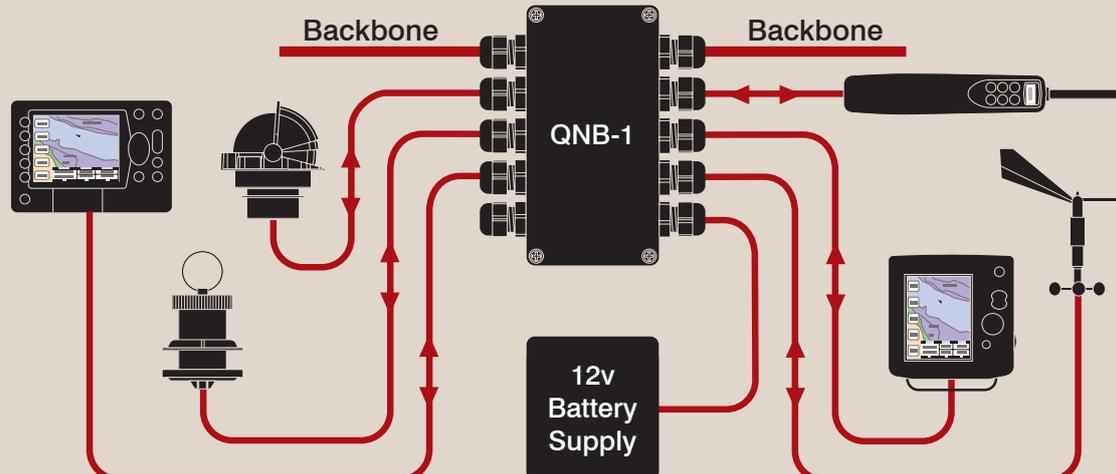
QNB-1



QNB-1-PMW



NMEA 2000 Connection



QNB-1

Quick Network Block

Specifications

Connections

- High quality rising cage clamp connectors rated at 16A
- 16 Amp Rated (2 x 4 = 8 Amps of fusing supplied as standard)
- Wire size range 26 to 12 AWG (0.2-2.5mm²)
- Eight x 5 way connection points provided, allowing up to six NMEA 2000 network drops and two backbone connections.

Overcurrent

- Fuses limit current in each leg to provide short circuit protection - 4 Amp fuses supplied as standard for compatibility with NMEA 2000 micro backbone wiring specification.

Data Latency

- None

Indicator Circuits

- Supply Voltage range: 10 to 35 volts DC
- Power Consumption: 10 mA @ 12v DC / 120mW

Environmental

- Recommended operating temperature: -20°C to +70°C
- Sealed case and glands provide IP66 protection

General

- Weight: 500 grams
- Dimensions: see diagram right
- Guarantee: 3 years

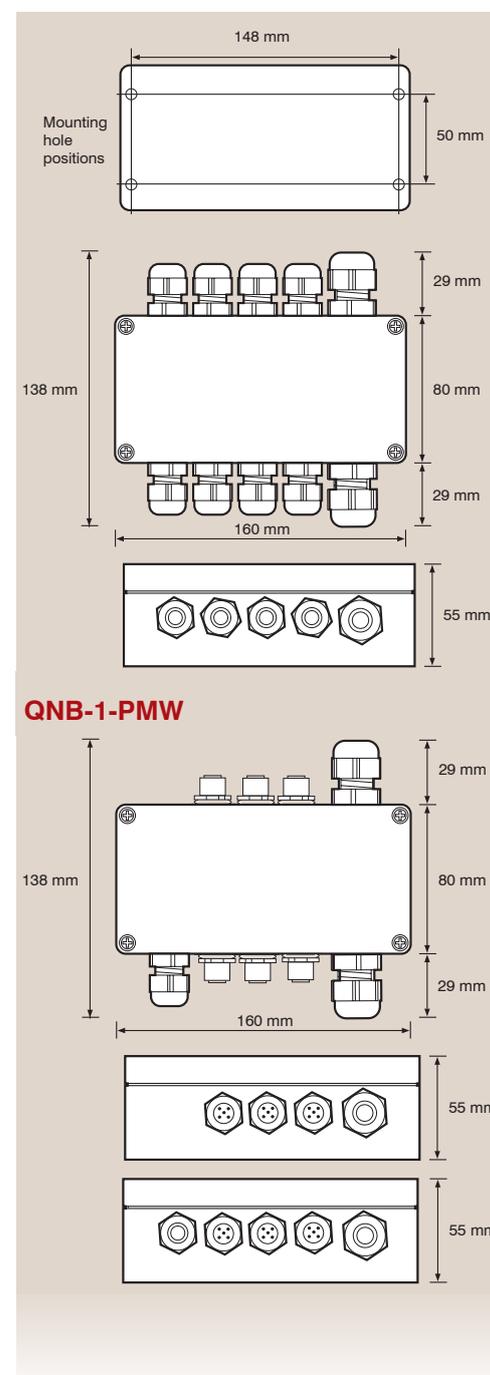
Built-in Firmware / Software

- No Software required

Part number

- QNB-1
- QNB-1-PMW

Dimensions



Part Number	Description
QNB-1	NMEA 2000 Network Block, 6 screw terminal drops, power feed and diagnostic features
QNB-1-PMW	NMEA 2000 Network Block, 6 micro female drops, power feed and diagnostic features