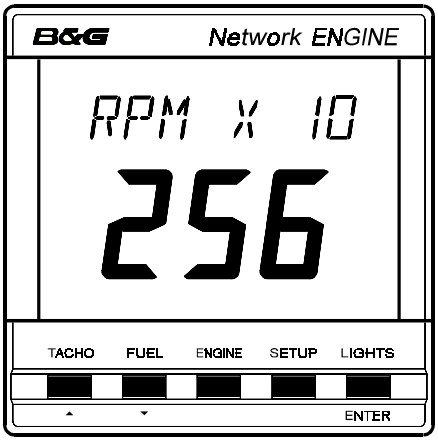
Product Specifications

Network ENGINE

Engine Data Display for Fuel Injected Engines



The Network ENGINE represents the very latest in engine monitoring instrumentation. This significant advance in technology was developed in conjunction with General Motors for use with their advanced Electronic Control Module (ECM) to monitor the performance of marine engines equipped with GM electronic fuel injection (EFI).

The Network ENGINE monitors the data from the ECM, via a single cable connection, and displays it on a large backlit Liquid Crystal Display (LCD). It can be used alone or in combination with other ENGINE units to monitor information from single or twin engine installations.

In addition to engine operating conditions the ENGINE can display fuel usage without having to install sensors in the fuel lines. It will display gallons or liters per hour and total fuel used for each engine by monitoring individual fuel injector performance. When installed along with a Network SPEED or QUAD system, to provide a boat speed input through the instrument network, the ENGINE will calculate fuel consumption in Miles per Gallon or Liters per Mile.

SYSTEM CONFIGURATION

Note: Each Network ENGINE display is capable of monitoring and displaying data from one or two engines.

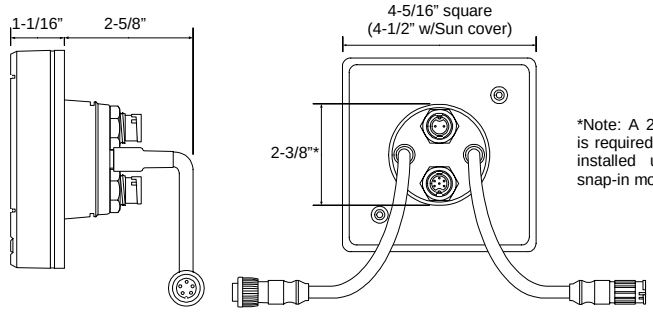
Single engine vessels	One Network ENGINE display at each steering position
Twin engine vessels	One or two Network ENGINE displays at each steering position (up to 4 displays)

FUNCTIONS

Tachometer	Engine speed in revolutions per minute
Fuel	Fuel consumption rate in gallons or liters per hour Fuel consumption rate in miles per gallon or liters per mile when receiving a speed input from a Network SPEED or QUAD Total fuel consumption in gallons or liters (resettable function) Individual or total fuel consumption rate of 2 engines Individual or total fuel consumption of 2 engines
Engine	Engine coolant temperature (ºF or ºC) Battery voltage at the engine Total engine hours Engine status displays error messages for: Air Temperature Engine coolant Manifold pressure Oxygen sensor Spark retard Spark timing Tachometer Throttle position
Setup	Alarm values and calibration adjustments for all functions

SPECIFICATIONS

Display	Back-lit liquid crystal, Large digits: 1.12” (28.6mm), Small digits: 0.45” (11.5mm)
Dimensions	4-5/16” Square, 4-1/2” w/suncover, requires 2-3/4” mounting hole and 2-5/8” clearance behind mounting surface
Power requirement	12Vdc (10 - 16V), 40mA, 100mA illuminated, external fuse or circuit breaker required
Environmental	Operating Temperature: 14 to 131°F (-10 to +55°C) @ 93% Relative Humidity, Storage Temperature: -13 to +158°F (-25 to +70°C) @ 93%RH
Sealing	Fully sealed front, suitable for bulkhead cockpit mounting, vented barrel to prevent condensation
Alarm	Internal alarm. External alarm output via rear connector, internally connected to a Normal Open, 2A/30V DC relay. External alarm will require an external power source suited to the alarm device selected.



*Note: A 2-3/4” mounting hole is required when the display is installed using the supplied snap-in mounting bracket

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