MTEMP_BUN1.

This package will allow for an additional water temperature instrument to be fitted and used in conjunction with the standard MP21/22 panel as supplied with Vetus M3, M4 and VH4 Series Yellow marine Diesel Engines.

With this upgrade the panel's warning light/buzzer featured can be retained, whilst adding an analogue needle gauge indication of any potential rise in engine water coolant temperature.

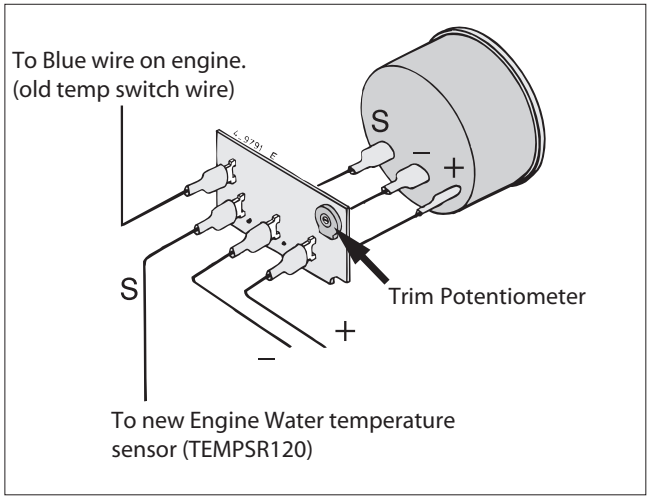
Providing the new EP Interface board with a 12v power supply is achieved by connecting double spade male/female connectors to the existing panel Voltmeter. Remove the positive and negative panel loom spade terminals in turn and connect new double spade terminated wires. Reconnect the original wires to the free male spade terminals.

Temperature Instrument Back Lighting.
Connect the lamp holder terminals using short jumper leads with double spade female/male connectors to the main instrument power terminals.

Engine Temperature Sensor.
Carefully remove the original temperature switch unit. Fit the thread adapter and the new Temperature Sensor using the supplied copper washers and a suitable liquid gasket sealant.

Run a new twin core (1 or 1.5mm) Brown/Blue wire from the engine to the panel. At the engine end, terminate the Blue core with a male spade connector and connect to the original Blue temperature switch wire. Terminate the Brown core with a female spade connector and connect to the new TEMPSR120 temperature sensor once installed. Take care to insulate these connections.

At the panel end, connect the Brown sensor wire to the 'S' Sensor terminal on the EP46845 Interface. Connect the Blue wire to the warning light terminal as per the diagram below.



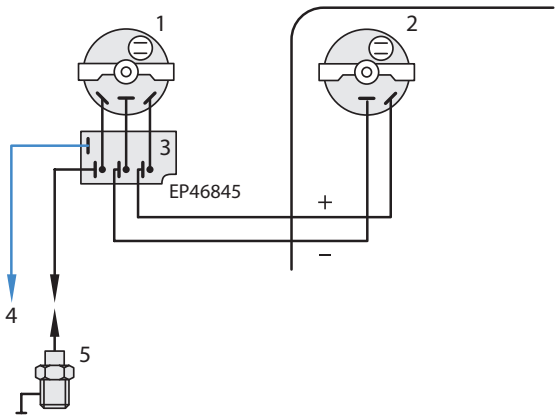
Installation

The interface can be fitted to the gauge after it has been mounted in the dashboard. Note the connections to the gauge.

S	:	White
⏚	:	Black
+	:	Red

Connection

Connect the interface and gauge as shown in the diagram.



1. Water Temperature Instrument (TEMP12B etc)
2. Existing MP21/22 Engine Panel Voltmeter
3. EP46845 Interface Board
4. Connection to Blue Engine Loom wire.
5. Connection to TEMPSR120 Sensor

Adjustment

The warning systems are set to give a visible/audible warning in the following cases at **12 Volts**:

- EP46845: At a coolant temperature of 98 degrees C.

This setting is adjustable via the Trim Potentiometer .