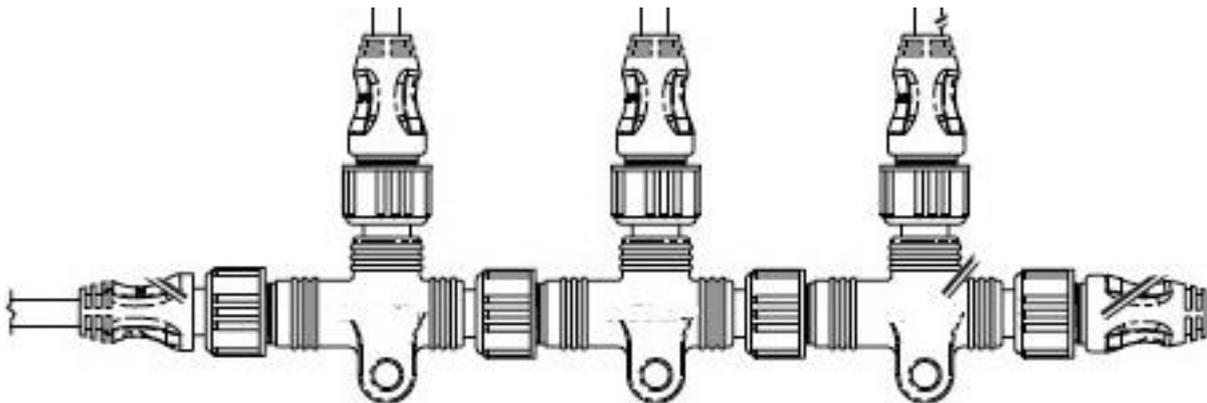## Gateway Installation & Sensor Initialisation

This guide details how to install a gateway into a NMEA2000 compatible marine electronics package. The aim is to check that the load data is displayed on the instruments before installing the sensor.
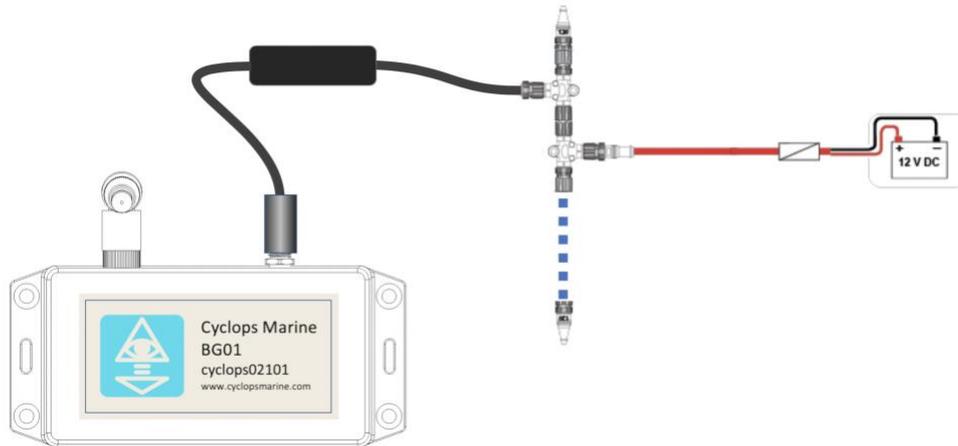

You will need:

- 1 x Gateway
- 1 x Cyclops Sensor
- 1 x NMEA2000 cable + Micro-C T-Joiner
- Sensor Batteries
- 1 x Small Phillips-head Screwdriver for smart**tune** battery covers or Coin for smart**link**
- Location of CAN bus backbone - this is usually close to the Nav table or mast base and can be hidden away. It looks like this:

1) Before installing the sensor, ensure the sensor is connected to instruments.
2) Remove the sensor battery cover by unscrewing the cover or fasteners. **NOTE: the battery cover is not tethered to the sensor**, but the fasteners are captive within the battery covers.
3) Insert the provided batteries into the sensor and replace the battery cover.

4) Connect the NMEA2000 cable to the Micro-C T-Joiner. The metal connector plugs into the gateway, and the black plastic connector plugs into the T-Joiner. The Micro-C terminator connected to the backbone will need to be unfastened, the T-Joiner connected to the rest of the backbone and the terminator connected to the T-Joiner. Ensure the yacht batteries and electronics power supply are on.

The sensor is now broadcasting load data to the gateway (and the instruments).

5) Check that this is the case by powering on the instruments, navigating to Settings -> Network -> Device List (this will vary between electronics brands). 'CYCLOPS LOAD SENSOR' will appear as a device. (If no device is displayed on the list, restart the instruments). Select the sensor and to check there a live load value being reported, press 'Data'. If no device appears, or no load value is reported, email info@cyclopsmarine.com before continuing with the installation.

6) Fit the gateway in a protected location below deck and as close to the sensor as practical. For example, for a smart**tune** sensor installed on the forestay, an ideal location is the forward bulkhead above the waterline. If necessary, a NMEA2000 extension cable can be added in to reach this position (not supplied).

7) Connect the gateway to the instruments as in 4)

8) Add the sensor load data as the variable to one of the displays.

9) The gateway is now installed!