

What does Maretron recommend to determine whether coolant water is supplied to my engine when running?

Using a RIM100 channel, you can tell whether water coolant flow is feeding to the engine when the engine is running.

In some cases, the user is unaware that water is not cooling the engine until it is too late. This method below allows for an early warning detection that can be alerted using any one of Maretron's user interface products.

You will need the following components:

One of the following Water flow Switches:

- 10233 1" FPT Cooling Water Flow Switch
- 10271 1-1/2" FPT Cooling Water Flow Switch
- 10231 2" FPT Cooling Water Flow Switch

NMEA2000 Part

A single RIM100 Channel per engine.

Wiring the switches in series.

- Connect a single water flow switch wire (fused to 1 Amp) to the ignition switch "pos+".
- Connect the wire "neg-" from the flow switch to a "+" terminal for the channel you wish to use on the RIM100.
- Connect the corresponding "-" terminal on the RIM100 to Ground.
- Insert a high-value resistor between channel "+" of the RIM100 to Channel "-". This allows any floating voltages to dissipate, preventing the RIM100 from falsely indicating that a voltage is present.

N2KAnalyzer Configuration:

Label the RIM100 channel "Engine Coolant Flow Status".

Using a DSM150 or DSM250, select "Favorite Screens Setup..." and create a component within the favorite screen of the type "Indicator Status".

For a simple alert, select "Alerts Setup..." and create a new alert under type select "Indicator Status".

In N2KView, go to "Screens Setup...", create a component for "Indicator Status".

For a simple alert, select "Alert Setup", click "New", and then select "Indicator->Status" as the alert parameter.

Online URL:

<https://www.maretron.com/wp-content/phpkbv96/article.php?id=573>