FAULT FINDING MADE EASY

CAED PTY LTD

DIAMOND LOGIC

FAN CONTROL SYSTEM

PART NO. FICS

Brief System Description

The Fan Control System is designed to save fuel. It reduces load on the engine by controlling fan demand as required by the set parameters.

Functional Operation Description of Fan Control

The Fan Control System has a pre-set delay time of 10 seconds (in milliseconds) after the engine is started before running the Fan (default start speed is set to 12%).

The Fan Control System senses the Temperature of the - Engine Coolant (default 70° C), Hydraulic Oil (default 65° C) and Compressor Oil (default 80° C), and will increase Fan Speed by a pre-set amount (default 4%) for every degree of increase above the pre-set temperature.

If an open circuit occurs in any temperature sensor, the Fan speed will automatically run at 100%.

Note: The Speed parameter (0-100%) above refers to the open position of the Solenoid Valve (0-590mA) and not the actual speed of the Fan.

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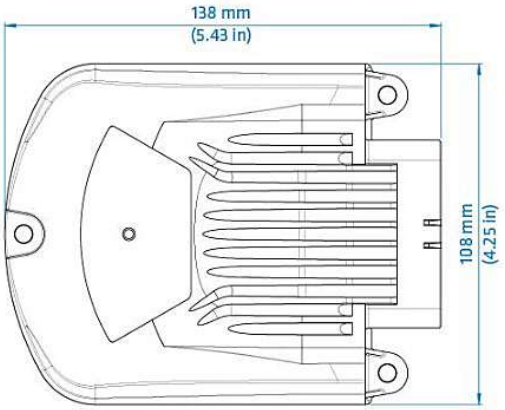
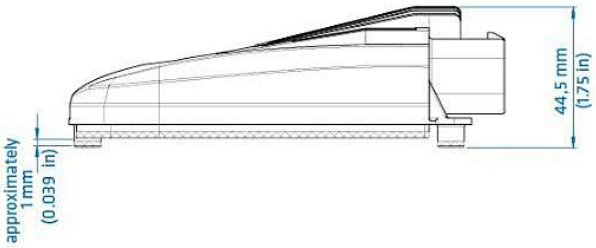
DIMENSIONS

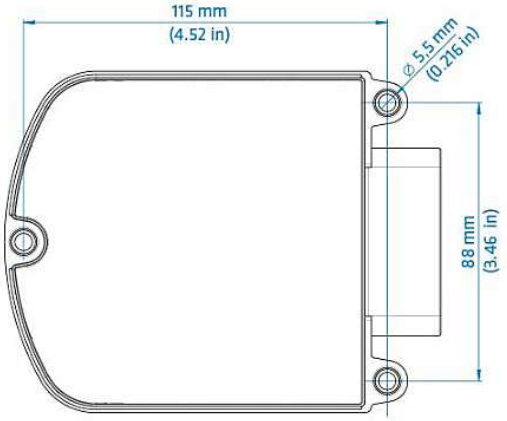
Unit dimensions from the top:



Unit dimensions from the side:



Fastening hole dimension:



SPECIFICATIONS

Supply	9-32VDC
Protection	IP67
Operating Temperature	-40/85°

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