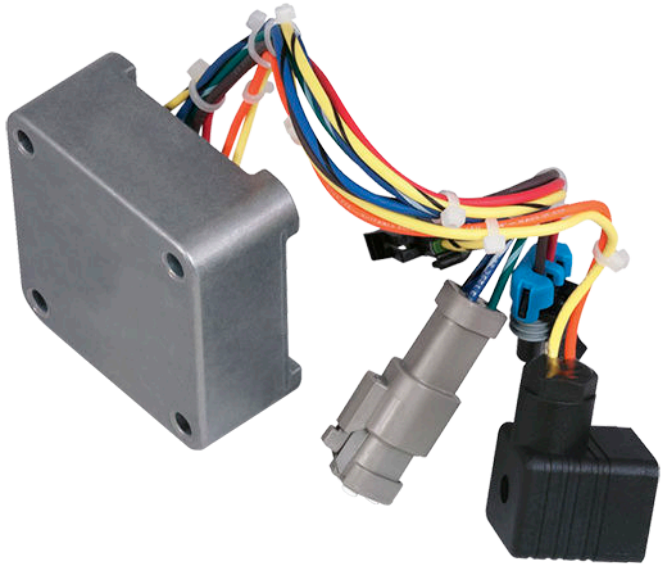
ENGINEERING TOMORROW

Data Sheet

Fan Drive Controller
FDC



Versatile Design

A single FDC hardware and application software package controls Danfoss integrated piston pump/ gear motor and closed circuit hydraulic fan drive system configurations. Easy to use set-up software allows control parameters to be set for specific vehicles.

Easy Installation

A pigtail wiring harness allows FDC users to specify connector types. An optional set-up toolbox provides all of the accessories required to successfully install the device.

High Reliability

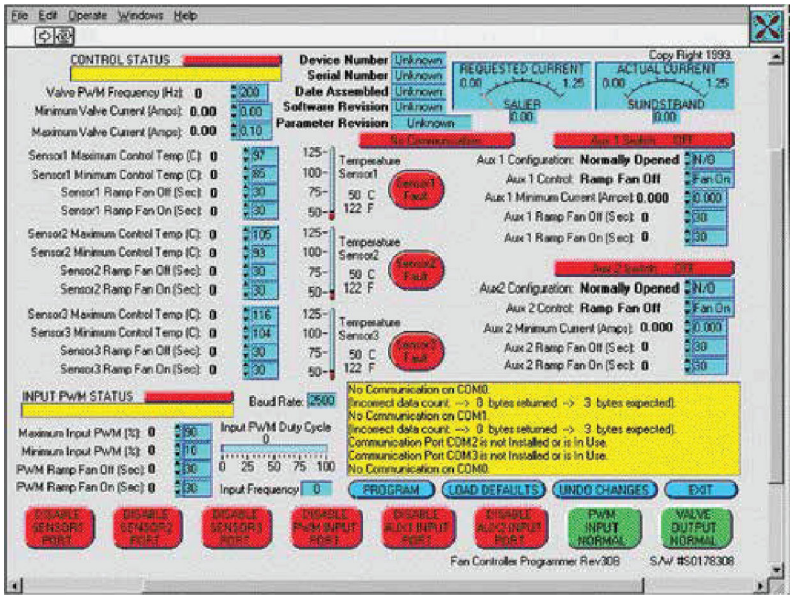
The FDC is designed for reliable operation in harsh conditions common to mobile machine applications. Design features including a die cast zinc housing and thermally conductive potted electronics allow the device to withstand shock, vibration, EMI/RFI, high pressure wash downs, and temperature and humidity extremes. Automatic default to high fan speed ensures that engine cooling is uninterrupted if a sensor becomes disconnected or power is removed from the device.

Features

- Stepless modulating control
- Robust electronics package
- IP 67 rating
- Flexible software
- Compact footprint
- 3 temperature sensor inputs
- 1 engine computer PWM input compatible with Detroit diesel, Cummins, CAT and Deere engines
- 2 auxiliary switch inputs
- 1 PWM output, either 0 to 1.25 A or 0 to 0.125 A

Comprehensive technical literature online at *powersolutions.danfoss.com*

Set-up Software Parameter Change Screen



Specifications

Power supply	9 to 32 Vdc
Operating temperature	-40° C to +105° C
Moisture	Rated IP 67 —Withstands high pressure wash downs and 95% humidity
EMI/ RFI	35 V/m

Ordering Information

For more detailed product information and ordering information see FDC Fan Drive Controller Technical Information manual, **11005336**

Related Products

Liquid temperature sensor	1090173
Air temperature sensor	1090174
Electronics module set-up toolbox	1090457

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