

# FAN DRIVER



**KAR-TECH**

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## Features

Kar-Tech's latest design is an innovative solid-state electronic module for controlling electric DC fans or oil coolers for use in mobile hydraulic applications. Two outputs capable of 30 amps drive a fan in both forward and reverse directions, and a temperature sensor or switch input tells the system when to engage. Using an onboard potentiometer and jumpers or Kar-Tech's patented Palm Pilot™ interface, fan on temperature (if a temperature sensor is used), forward time, reverse time, ramp up time and ramp down time are all programmable by the OEM. By using the programmable ramp up and down times, shock on the motor and mounting flanges is reduced, and the reversing action cleans debris from the cooler grille to improve airflow and efficiency. This system is supplied in a small, encapsulated package to prevent damage from all the common problems in the mobile environment. A small bundle of GXL wires in a mesh loom are provided out of the encapsulation to connect to power, ground, and the I/O.

## General

Communication	RS-232
Supply Voltage	9V to 30VDC
Analog Inputs	Temperature sensor/switch
Input Range	9V to 30VDC, 100VDC transient with 10 bit resolution
Standard Outputs	Fan forward, fan reverse
Output Rating	10A nominal, 30A option
Enclosure	4.2"x3.07"x1.4", Nylon 6/6
Connections	5 wires, 16ga. GXL, loomed

