



High Country Tek, Inc.

Bus & Public Transportation Hydraulic Fan System Solutions

Electronic Control Solutions for the Global Fluid Power Industry



- ❖ Full CE compliance
- ❖ Tier IV engine compatible
- ❖ SAE J1939 interface
- ❖ PC operated set-up program
- ❖ 'Heat Event' shutdown
- ❖ Fan reverse direction feature
- ❖ IP69K standard connector
- ❖ Status and diagnostic LED's
- ❖ Flame resistant material

This controller has features that have been designed to meet the operational needs of a cooling system in the Bus and Public transportation market, and interfaces seamlessly with multiple manufacturers hydraulic hardware.

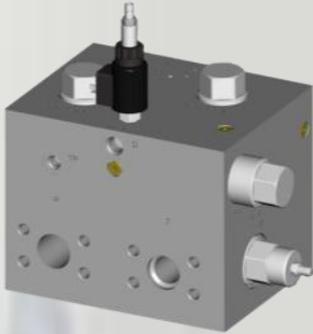
The module is fully self contained, has built in electronic protection on all inputs and outputs and needs only connection to vehicle power the SAE J1939 engine data bus, the fan motor speed control hydraulic valve and the system is electrically operational.

The P.C. set-up program is designed to be easy use and needs only minimal information to allow the user to calibrate the fan speed to temperature setpoints and create a configuration file for specific vehicles or different engines. The program is protected by passwords to protect level access to the settings and once proven, HCT can even pre-load the customer file into the controller at the factory for reliable 'no-touch' delivery and 'direct-to-line-build' use at the production plant.



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SUN hydraulics



- ◆ **Up to 5000 PSI operation**
*Smaller hoses
Smaller pumps & Motors*
- ◆ **Higher flow capabilities**
*Less pressure drop
Higher efficiency control*
- ◆ **Common Cavities**
Multiple valve functions
- ◆ **Common Pilot stages**
*Same solenoids are used
Adaptability to circuit if needed*
- ◆ **Higher installation torque**
No cartridge 'Back-out'
- ◆ **Floating nose design**
*No 'pinching' or binding
Cavity has 'nose' support*
- ◆ **Screw thread in middle of body**
*Distributes dynamic loads
Maximizes flow path areas*
- ◆ **Smaller manifold envelope**
*Lighter installed weight
Easier placement on vehicle*

To discuss anything in this brochure, order product, get price and delivery or book a training course, please contact our customer service through E-mail at: info@highcountrytek.com

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High Country Tek, Inc. uses SUN Hydraulic products to create an optimized **controller + manifold Integrated solution** from your hydraulic circuit that compared to all the other manufacturers, offers lower pressure drop and better stability with higher flow rate capability.

In real terms, our low loss, higher efficiency integrated solutions can achieve higher fan speeds for the power available, generate less local heat and be manufactured in conjunction with your vehicle design to ensure optimal porting, installation location, overall system protection and minimal maintenance time and costs.

Additional circuits.....No problem !

Systems that have priority flow for steering options are a common feature of our solutions, SUN Hydraulics products offer the best stability meaning less 'kick-back' at the steering wheel - much easier on the driver and on the equipment.

As with the controller, all the valves can be factory pre-set for pressure and flow so that the manifold arrives ready to fit on the production line.

Limiting the pressures and flows physically at the valve has another clear advantage in that even with full fan & steering load applied, the total torque cannot ever exceed the calculated maximum and damage the pump PTO or through drive - failsafe operation is assured.



Integrated Solutions that simply work better....



HCT is proud to be associated with the Mass Transit suppliers directory



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