



High Country Tek, Inc.

Load Control Applications

Electro-Hydraulic Solutions for
Mobile, Industrial & Marine applications.

High Country Tek, Inc. (HCT) provides 'Ruggedized' electronic control solutions for a wide variety of hydraulic applications. Our standard product range spans from 'specialty controllers' for dedicated requirements to fully expandable system controllers.

PowerLine Controller

- ◆ Open loop valve and/or pump control, single or dual coil operation
- ◆ Anti-stall functions with command options
- ◆ Auto-Reverse for use with wood chippers and auto-feeders
- Flame retardant potting materials that provide maximum environmental protection
- Protected and Sealed to better than >IP67 (NEMA 6P)
- **CE** compliant meeting global mobile standards
- Can be pre-set or by the customer to precisely match the controller to the system
- Clearly visible diagnostic operational LED's



- 10 - 30VDC supply voltage operation -*
- Pre-written user interface for Windows™ based PC -*
- HCT standard Opto3000 programming interface -*
- Error code for system diagnostics -*
- ALL I/O Fully protected for shorts & Opens -*
- Clear and easy connectivity for fast application. -*

www.highcountrytek.com

HCT supplies the most rugged, durable and high performance electro-hydraulic controllers in the industry. To date, more than 62,000 HCT controllers have been supplied and are being used successfully in global fluid control applications.



Typical Applications

Two immediate examples for anti-stall would be:

Wood Chippers and Stump Grinders.

Wood Chippers - Units can be prevented from excessive wear, tear and annoying stalling if the RPM of the engine is monitored from either the alternator or directly on the engine output shaft with the aid of a non-contacting proximity switch. The flow rate or rollers is controlled via a simple directional proportional valve that is **HCT PowerLine** controller. The unit is set to reduce the drive signal to the valve and therefore the feed rate of the material into the knives in proportion to the OEM pre-set engine speed droop limits. The feed rate will continue to reduce until a user set trigger point is reached at which time, the **PowerLine** controller will REVERSE the feed rollers, clearing the material jam and allowing the engine to regain a steady RPM that will allow the machine to operate safely and continuously at it's most efficient level. Contact HCT for a full manual and operational details



Stump Grinders - Controlling the feed rate of the swing into the stump can prevent the engine from stalling and avoid costly breakages. The side-to-side grinding action is usually controlled by a small cylinder connected to a directional valve and a lever operated flow or pressure control valve. This valve can be replaced by a simple proportional valve which is controlled by the **HCT PowerLine** unit. Once again, the engine RPM is monitored and droop is minimized by reducing the pressure or swing speed into the stump, automatically adjusting to give the maximum working speed while maintaining a load that allows the engine to operate correctly.

Need More Information ?

The easiest way to reach **HCT** is via **E-mail** at info@highcountrytek.com

This single point of contact is the best route to initiating a project, inquire about HCT's products, get technical help or place an order - **OR**



Contact our Customer Support and Service personnel:

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