



FOR IMMEDIATE RELEASE

Toronto, Canada - February 10, 2004
- Axiomatic Technologies announced today the release of a flexible digital controller for hydraulic valves.

The HDCD Series (dual output hydraulic digital controller) offers a flexible design for many fluid power applications. Current control is based on multiple temperature sensor, PT or RPM sensor inputs. Switched inputs (digital inputs) are provided to suit a range of applications. A PWM signal input is available for interface to an Engine Control Module. Two additional analog inputs are accepted for a voltage signal, command potentiometer or PLC signal interface (4-20 mA). A +5V reference is supplied to power a potentiometer or sensor. The independent dual output drives up to 2 proportional or on/off hydraulic solenoids. The unit accepts 9...32VDC power with reverse polarity protection provided. The design is microprocessor based with OEM specifications accommodated with factory programming. An RS232 interface permits user configuration with a PC or laptop computer. The rugged IP67 rated packaging allows the unit to operate in the harsh environments found in off-highway applications. It is operational from -40 to 85°C.



Axiomatic is exhibiting the hydraulic digital controllers and other electronic controls for construction equipment and mining applications at **BAUMA on March 29-April 4, 2004 in Munich Germany, Hall A3, Booth 557/658.**

Applications can include:

- A wide range of industrial and off-highway (mobile) applications involving hydraulic controls
- Joystick interface
- Hydraulic Fan Drives
- Interface to an engine control module's PWM signal in marine and off-highway applications
- Transmission controls

Other digital controllers are available, including:

- PWM input for interface to a PWM signal from a diesel engine electronic control unit
- Multiple I/O (up to 12 I/O) valve drivers interface with joystick, analog and digital inputs
- CAN bus interface for data exchange with vehicle control systems
- High current electric fan drive controllers in various configurations

Axiomatic operates in Mississauga (Toronto), Canada and Tampere, Finland. As an integrated engineering design firm and ISO9001:2000 registered manufacturing facility, our mission is to provide innovative low cost electronic controls for mobile, marine, mining, military and industrial equipment OEM's.

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