


PRESS RELEASE
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Valve Controller – 6 On/Off
P/N: AX021300

The Axiomatic **6 On/Off Valve Controller** is an economic component in a CAN networked machine control system. The controller drives up to 6 on/off hydraulic valves at 5 Amps and communicates over a **SAE J1939 network or a CANopen network**. Alternatively, the user can select pulsed, timed or PWM output types. It accepts up to 2 analog inputs (0-5V, 0-20 mA or 4-20 mA) and 3 digital inputs for connection to a variety of analog machine sensors or levers. The user can also select PWM, Frequency/RPM or 16-bit Counter inputs. Each input can be configured to measure the input value and send the data to a CAN network. In addition, any output on the controller could be configured to use any of the inputs as a control signal or an enable instead of taking the command information from the CAN bus. Standard embedded software is provided. Settings are user configurable via an Axiomatic PC-based Electronic Assistant (EA) interfacing to the controller via an Axiomatic USB-CAN converter. Rugged IP67 rated packaging in addition to a 9-36V power supply input section suits mobile equipment control applications.





The Axiomatic Electronic Assistant (EA) is a software configuration tool that runs on a PC connected to a J1939 bus via an Axiomatic **USB to CAN converter**, P/N: AX070501. With connection to the bus, the EA finds all the devices on the bus, and recognizes the Axiomatic controls. The user can quickly configure an Axiomatic control for its desired performance over a wide variety of applications. An Axiomatic **CAN scope** is also offered to monitor CAN messages in a text format. The CAN scope is a useful PC-based debugging tool for J1939 or CANopen networked devices.



AX070501, USB-CAN
with Software Development Kit

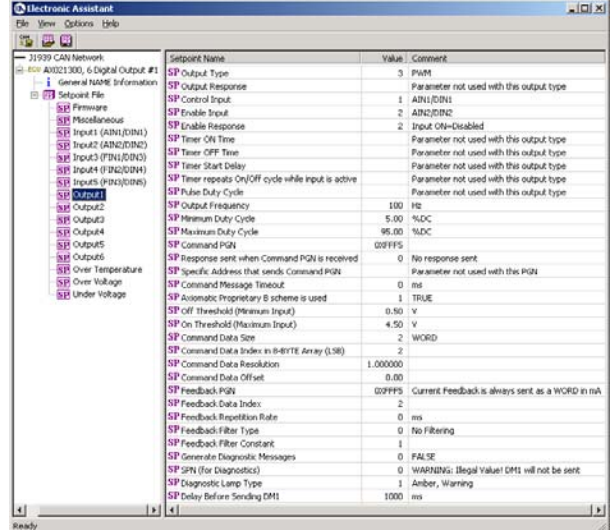


Figure 1.0 Windows-based configuration screen from the Electronic Assistant

Applications:

- Off-highway equipment
- Hydraulic machine control systems

Axiomatic operates in Mississauga (Toronto), Canada as well as Munich, Germany and Tampere, Finland. As an integrated ISO9001: 2000 engineering design and manufacturing firm, our mission is to provide efficient, innovative electronic machine controls, power components and systems for mobile, marine, mining, military, utility and industrial equipment OEM's. Our rugged components are backed with a guarantee of excellent customer service. **Visit us at BAUMA 2007, Hall A3 Stand 649/752, in Munich, Germany, April 2007.**

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