

Axiomatic Technologies launches a line of electrohydraulic control I/O modules.

Both the Dual PWM Input Controller and Multiple Output Controller interface with joystick(s) located in the vehicle cab and drive multiple hydraulic valves. CAN networking capability permits communication with other machine automation devices.

- Standard electronic platforms for remote digital electrohydraulic and machine position control
- Application-specific software provided
- Rugged packaging and power supply interface for mobile equipment applications
- Accepts joystick commands, Engine Control Module signals, CAN messages, PLC signals, potentiometers, switched inputs and other industry-standard voltage or current command signals.
- Drives multiple hydraulic valves (both proportional and on/off)
- Communicates over RS-232, CANopen or SAE J1939 for calibration and diagnostics
- -40 to +85°C (-40 to +185°F) operating temperature range
- OEM versions available



Rugged packaging for the mobile environment

IP67 high temperature nylon box, IP69 connectors

Dimensions:

4.62 x 5.24 x 1.43 inches

117.42 x 133.09 x 36.36 mm (WxLxH excluding mating plug)

Applications can include: off-highway and construction equipment, work machines, cranes, lift equipment, work platforms, elevators, harvesters, spreaders, directional drills, refuse trucks as well as robotics and material handling machines.

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

**Multiple Output, Joystick Interface Digital Controller
HDS40-0907 Series**

Inputs: 2 PWM signals from joystick(s)
Up to 2 0-5V signals from joystick(s)
6 digital

Outputs: 5 proportional, 1 on/off (up to 8A total)
1 digital (20mA)

Power: 9...32VDC (automotive requirements)
1 +5V, 4 +6V, 2 +12V reference voltages

Packaging: Potted in Stainless Steel Base
40-pin connector, IP67

Communications: RS-232, CAN

Applications: Excavators and other mobile machines
Refer to datasheet TD7400AX.

**Dual PWM Input, Hydraulic Controller
HDE24-0503 Series**

Inputs: 2 PWM signal, 2 digital, 1 analog
(2nd analog input on request)

Outputs: 2 proportional, 1 on/off (2A)

Power: 9...36VDC
1 +5V, 2 +6V reference voltages
(2nd +5V ref. on request)

Packaging: Shown above

Communications: RS-232, CAN

Applications: Joystick interface, ECM interface
for mobile equipment control

Refer to datasheet TD7012AX.

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