

••••• **INNOVATION AT WORK FOR YOU** •••••

**NEW J1939 CAN-Linked Electronic Control Modules  
for Stand-Alone Control or Slave Logic Operation**

HydraForce is pleased to announce the release of the new EVDR controller family. These products are designed to provide expanded electronic control capabilities for both sub-system and complete vehicle system applications. The EVDR products are customer-programmable enabling application-specific performance optimization.

EVDR controllers are housed in an environmentally-protected IP67 box enclosure, and are available as stand-alone controllers, or as CAN linked input/output interface modules. The EVDR5, 6, 9 and 10 controllers include J1939 communication ports for programming and for interface with other network devices. They can be used as either stand-alone controllers or as slave logic modules

These controllers will accept voltage, current, digital or PWM signals from a machine controller, operator joystick, PLC, or other signaling device. Inputs and outputs are

configurable using the CAN interfaced programming tool. A common CAN based configuration and diagnostic program is used for the EVDR5, 6, 9 and 10 products. Software and connector kits are available from HydraForce.

**EVDR5**

The EVDR5 will operate up to 4 proportional and 1 on/off valve coil, using 4 analog and 2 digital inputs. A J1939 communications port is included for programming and network integration.

**Inputs:** 4 analog and 2 digital

**Outputs:** 4 PWM and 1 On/Off

**Power Required:** 8 to 36 VDC;

Reverse Polarity Protection provided

**Thermal Overload/Over-Voltage Protection**

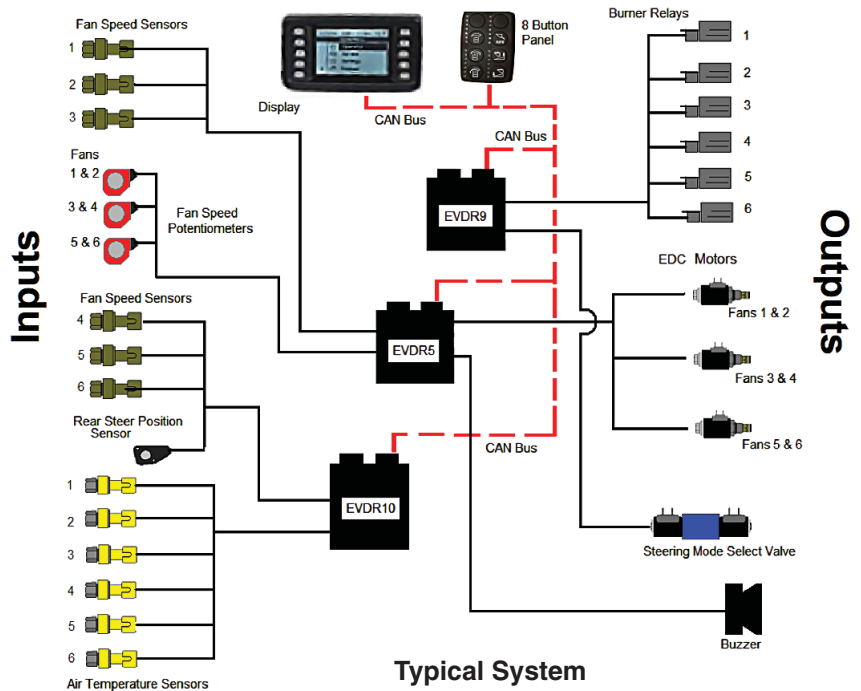
[go to EVDR5 catalog page](#)

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**EVDR Control Module in IP67 box enclosure.**



**Manifold mounting shown below.**



## NEW J1939 CAN-Linked Electronic Control Modules for Stand-Alone Control or Slave Logic Operation

### EVDR6

The EVDR6 will operate up to 6 (5 amp) on/off valve coils, using 2 configurable analog and 3 digital inputs. A J1939 communications port is included for programming and network integration.

**Inputs:** 2 analog and 3 digital

**Outputs:** 6 On/Off

**Power Required:** 8 to 36 VDC;  
Reverse Polarity Protection provided

**Thermal Overload/Over-Voltage Protection**

[go to EVDR6  
catalog page](#)

### EVDR9

The EVDR9 is a slave-style output module. Inputs are received through a J1939 CAN bus port, allowing the module to drive up to 9 configurable outputs for on/off or proportional valve operation. The EVDR9 can be manifold-mounted providing an easy CAN-compatible valve assembly, saving installation cost and complexity, while providing flexibility, control accuracy and system integration capabilities.

**Inputs:** CAN J1939

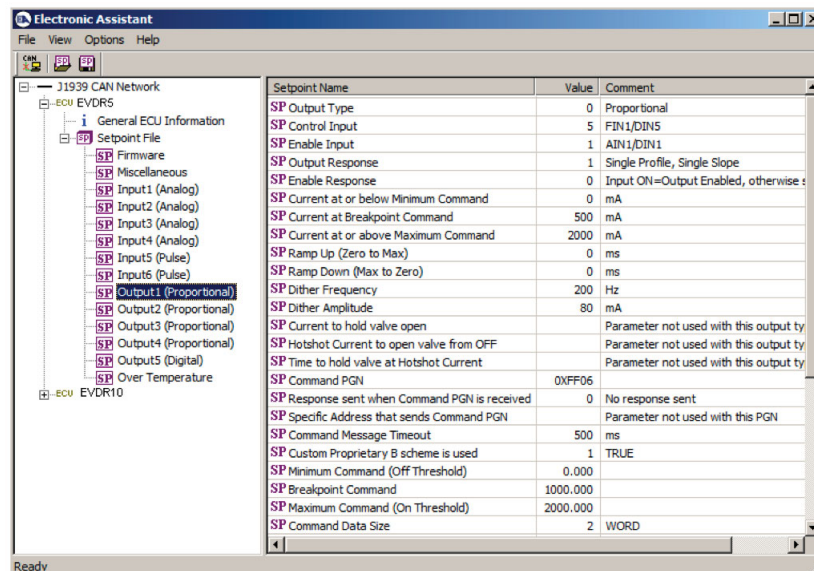
**Outputs:** 9 configurable, proportional or On/Off

**Power Required:** 8 to 80 VDC;  
Reverse Polarity Protection provided

**Thermal Overload/Over-Voltage Protection**

[go to EVDR9  
catalog page](#)

**EVDR  
Typical  
Programming  
Screen**



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### EVDR10

The EVDR10 is a slave-style input module. It can receive up to 10 configurable inputs, and sends output signals over a J1939 CAN communications bus. When combined with other ECU or EVDR units, the EVDR10 can be used as part of a distributed control system for machines requiring remote signal or sensor inputs.

**Inputs:** 10 Configurable: Current, RPM, Counter,  
Digital or PWM

**Power Required:** 8 to 96 VDC;  
Reverse Polarity Protection provided

**Thermal Overload/Over-Voltage Protection**

[go to EVDR10  
catalog page](#)

**For additional information please see  
the product selection guide and the detailed  
specification sheets on [www.hydraforce.com](http://www.hydraforce.com)  
or contact your HydraForce representative.**