Intelligent Electronic Controls For Mobile Equipment

HED®

Hydro Electronic Devices, Inc.

CANLINK™

The HED CANLink family of controls and accessories provides one of the industry's broadest lines of state-of-the-art electronics to control and monitor mobile equipment of all kinds.

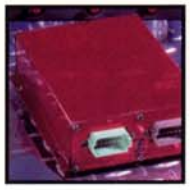
Since its' introduction in1998, the CANLink line of standard products has grown in depth and in breadth to offer an unmatched selection of field-proven components to serve in virtually an unlimited variety of control system combinations with either a master/slave, peer to peer, or single module configuration.

HED®
Hydro Electronic Devices, Inc.

MAX








Features and Benefits of a CANLINK Control System

Designed For Survivability Under Extreme And Hostile Environments

All HED CANLink products offer maximum protection from high EMI/RFI exposure, extreme vibration and temperatures, dirt, dust, moisture and harsh equipment wash-downs.

Eliminates Relay Logic And Fuses While Enhancing Safety and Performance

CANLink provides intelligent control, virtual fuses, and enhanced safety interlocks through microprocessor technology. Solid state reliability replaces relay logic.

Simplifies Your Design

A 2-wire communication link replaces massive and complex wire harnesses, which will simplify the troubleshooting and manufacturing of your product. No module ID codes to set. Harness ID pins designate module location and function.

Built In Diagnostic Capabilities And Windows Based Software For Easy Troubleshooting

HED windows based software connected to one module shows the complete vehicle status of all inputs and outputs including open load detection and short to battery/ground detection.

User-Friendly Programming Software

HED windows based software for easy customer programming of CANLink control modules using either ladder-logic diagrams or Boolean equations.

Electronic Engine Control and Interface

Allows complete access to J1939 electronic engines and transmission information for the displays, gauges, or throttle and idle control.

A **REMOTES AND COMMUNICATION**

Provide remote dial-up diagnostics, GPS fleet management, and remote control. Typical inputs include: modem connections, GPS inputs, and remote controls.

B **VALVE BANKS**

Reduce hydraulic plumbing costs. Proportional PWM control electronics for the same cost as on/off control. Typical inputs include: resistive pressure and temperature sensors. Typical outputs include: servo valve pump control, proportional valves, on/off valves.

C **ENGINE COMPARTMENT**

Connect directly to electronic engine ECM's for engine status and control. Typical inputs include: resistive pressure and temperature sensors, speed pickups, and electronic engine or transmission communications. Typical outputs include: servo valve pump control, starter relays, throttle servos, and electronic engine or transmission communications.

D **CONSOLE/DASH**

Drive gauges. Use a display module for real-time diagnostics with user menus. Typical inputs include: joysticks, dash switches, potentiometers, dead man switches. Typical outputs include gauges, displays, LED's, indicator lights, and alarms.

Provide A Complete Veh

Most Modules Include:

- RS232 connection
- Configurable digital or A/D inputs
- PWM outputs
- * Check data sheets for individual module specifications

CL-100 Central Control Module
Central brain with dual CAN ports, and a J1708 port

CL-101 Master Control Module
Vehicle interface module and central brain with 16 inputs, 18 high current outputs, dual CAN ports and a J1708 port

CL-400 Input/Output Module
Vehicle interface module with 8 inputs and 8 outputs

CL-401 Input/Output Module
Vehicle interface module with 14 inputs and 16 outputs

CL-402 Input/Output M
Vehicle interface module
18 inputs and 8 outputs