

CANLink[®] CL-302-1XX Module Family Output Module



The CL-302 is a solid-state microprocessor based module and member of the HED[®] CANLink[®] multiplexed control family. Delivered in a Deutsch enclosure, this unit provides a high density I/O count in a compact and economical package.

Designed for use as a stand alone unit, as part of a distributed system, or as a gauge driver, the CL-302 is also available in a clear enclosure with LED indicators for each output for simple troubleshooting in the field.

The HED[®] CL-302 can be programmed using HED[®]'s do-it-yourself CANLink[®] Composer[™] programming tool or directly by HED[®] engineering, and is designed for use with the CANLink[®] Conductor[™] software tool for diagnostics and field troubleshooting.

16 Outputs and 4 Inputs including:

- (8) 500mA sinking digital outputs
- (8) 500mA sinking PWM outputs (available with or without pull-up resistors to +Battery – Standard version has 10K pull-up resistors installed – Contact HED[®] for wiring recommendations)
- (4) inputs configurable as switch to ground or harness codes*
- (1) J1939 CAN Input

| Specifications | |
|-------------------------------|---|
| Enclosure: | Deutsch standard EEC-325x4 PCB enclosure with 24-pin receptacle. |
| Mating Connectors: Deutsch | DTM06-12SA DTM06-12SB WM-12S (wedge) – Two needed (one per connector) 0462-201-20141 20AWG sockets 0413-204-2005 Sealing Plugs – Unused pins are required to be sealed to maintain module sealing |
| Operating Voltage Range: | 8 to 32 VDC |
| Operating Temperature: | -40°C to 70°C |
| Storage Temperature: | -40°C to 85°C |
| IP Rating: | IP 6K9K (intended for either interior or exterior installation) |
| PC Boards: | The printed circuit boards are designed for high EMI/RFI protection. The boards are conformal coated with a silicone coating for further water/moisture protection. All inputs and outputs are protected against shorts to Battery(+) or Battery(-). 100% of the boards are functionally tested before shipment. * Harness codes are switch to ground inputs used to identify I/O module location and function to the master controller |

CL-302 Output Module

CL-302 Output Module Pinout

| DTM13-12PA (Gray) | | DTM13-12PB (Black) | |
|-------------------|---------------------|--------------------|----------------------|
| Pin | Function | Pin | Function |
| 1 | Output PWM(-) 500mA | 1 | Output DOUT(-) 500mA |
| 2 | Output PWM(-) 500mA | 2 | Output DOUT(-) 500mA |
| 3 | Output PWM(-) 500mA | 3 | Output DOUT(-) 500mA |
| 4 | Output PWM(-) 500mA | 4 | Output DOUT(-) 500mA |
| 5 | Output PWM(-) 500mA | 5 | Output DOUT(-) 500mA |
| 6 | Output PWM(-) 500mA | 6 | Output DOUT(-) 500mA |
| 7 | Output PWM(-) 500mA | 7 | Output DOUT(-) 500mA |
| 8 | Output PWM(-) 500mA | 8 | Output DOUT(-) 500mA |
| 9 | CAN-L | 9 | Input HID/STG |
| 10 | CAN-H | 10 | Input HID/STG |
| 11 | BAT(-) Module | 11 | Input HID/STG |
| 12 | BAT(+) Module | 12 | Input HID/STG |

Note: Different I/O combinations are available. Please refer to specific CL-302-1XX data sheet for I/O number designations for use within Composer™. Data sheets available on HED® website.

