



CANLink® CL-304-1XX Module Family Output Module

8 Outputs and 9 Inputs including:

- (8) 3A PWM outputs with estimated current feedback
- (4) inputs configurable as switch to ground or harness codes*
- (1) switch to ground input
- (4) 10-bit analog inputs
- (1) J1939 CAN port

The CL-304 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 or as part of a distributed system, the CL-304 is also available in a clear enclosure with LED indicators for each input or output for simple troubleshooting in the field.

The HED® CL-304 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.

Specifications	
Enclosure:	Deutsch standard EEC-325x4 PCB enclosure with 24-pin receptacle.
Connectors:	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-304 Output Module

CL-304 Output Module Pinout

Gray 12-Pin Connector		Black 12-Pin Connector	
Pin	Function	Pin	Function
1	Output DOUT(+)/PWM(+)/ECC(+)(3A)	1	Output DOUT(+)/PWM(+)/ECC(+)(3A)
2	Output DOUT(+)/PWM(+)/ECC(+)(3A)	2	Output DOUT(+)/PWM(+)/ECC(+)(3A)
3	Input AIN	3	BAT(+) Outputs
4	Input AIN	4	Output DOUT(+)/PWM(+)/ECC(+)(3A)
5	Input AIN	5	Output DOUT(+)/PWM(+)/ECC(+)(3A)
6	Input AIN	6	BAT(+) Outputs
7	Output DOUT(+)/PWM(+)/ECC(+)(3A)	7	Input STG
8	Output DOUT(+)/PWM(+)/ECC(+)(3A)	8	Input STG
9	CAN-L	9	Input STG
10	CAN-H	10	Input STG
11	BAT(-) Module	11	Input STG
12	BAT(+) Module and Outputs	12	BAT(+) Outputs

Note: Different I/O combinations are available. Please refer to specific CL-304-1XX data sheet for I/O number designations for use within Composer™. Data sheets available on HED® website.

