

CANLink[®] CL-305-103 Module Master Power Module



Representative Product Photo

8 Outputs and 5 Inputs including:

- (8) 10A PWM outputs with current limiting
- (5) switch to ground inputs
- (1) J1939 CAN port

The CL-305 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-305 is also available in a clear enclosure with LED indicators for each input or output for simple troubleshooting in the field.

The HED[®] CL-305 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:	DTM06-12SC DTM06-12SD WM-12S (wedge) – Two needed (one per connector) 0462-201-20141 20AWG sockets 0462-005-20141 16/18AWG 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 67
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-305-103 Master Power Module

CL-305-103 Master Power Module Pinout

Green 12-Pin Connector		Brown 12-Pin Connector	
Pin	Function	Pin	Function
1	Output #1 DOUT(+)/PWM(+)(10A)	1	Output #5 DOUT(+)/PWM(+)(10A)
2	BAT(+) Module and Output 1	2	BAT(+) Output 5
3	Battery(-)	3	Output #6 DOUT(+)/PWM(+)(10A)
4	CAN-L	4	BAT(+) Output 6
5	CAN-H	5	Output #7 DOUT(+)/PWM(+)(10A)
6	Input #1 STG	6	BAT(+) Output 7
7	BAT(+) Output 2	7	Input #2 STG
8	Output #2 DOUT(+)/PWM(+)(10A)	8	Input #3 STG
9	BAT(+) Output 3	9	Input #4 STG
10	Output #3 DOUT(+)/PWM(+)(10A)	10	Input #5 STG
11	BAT(+) Output 4	11	BAT(+) Output 8
12	Output #4 DOUT(+)/PWM(+)(10A)	12	Output #8 DOUT(+)/PWM(+)(10A)

Note: Above pinout is for HED® part number CL-305-103.
Additional part number data sheets available on HED® website.

