

## CANLink<sup>®</sup> CL-302-102 Module Output Module (12V)



### 16 Outputs including:

- (8) 500mA sinking digital outputs (with 10K pull-up resistors to +Battery)
- (8) 500mA sinking PWM outputs (with 2.7K pull-up resistors to +Battery)
- (4) harness code\* inputs
- (1) J1939 CAN Input

The CL-302 is a solid-state microprocessor based module and member of the HED<sup>®</sup> CANLink<sup>®</sup> 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<sup>®</sup> CL-302 can be programmed using HED<sup>®</sup>'s do-it-yourself CANLink<sup>®</sup> Composer<sup>™</sup> programming tool or directly by HED<sup>®</sup> engineering, and is designed for use with the CANLink<sup>®</sup> Conductor<sup>™</sup> software tool for diagnostics and field troubleshooting.

### 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 18 VDC
Operating Temperature:	-40°C to 70°C
Storage Temperature:	-40°C to 85°C
IP Rating:	IP67
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-302-102 Output Module

**CL-302-102 Output Module Pinout**

DTM13-12PA (Gray)		DTM13-12PB (Black)	
Pin	Function	Pin	Function
1	Output #1 PWM(-) 500mA	1	Output #9 DOUT(-) 500mA
2	Output #2 PWM(-) 500mA	2	Output #10 DOUT(-) 500mA
3	Output #3 PWM(-) 500mA	3	Output #11 DOUT(-) 500mA
4	Output #4 PWM(-) 500mA	4	Output #12 DOUT(-) 500mA
5	Output #5 PWM(-) 500mA	5	Output #13 DOUT(-) 500mA
6	Output #6 PWM(-) 500mA	6	Output #14 DOUT(-) 500mA
7	Output #7 PWM(-) 500mA	7	Output #15 DOUT(-) 500mA
8	Output #8 PWM(-) 500mA	8	Output #16 DOUT(-) 500mA
9	CAN-L	9	HID#1
10	CAN-H	10	HID#2
11	BAT(-) Module	11	HID#3
12	BAT(+) Module	12	HID#4

Note: Above pinout is for HED® part number CL-302-102.  
Additional part number data sheets available on HED® website.

