



CANLink[®] CL-414-1XX Module Family I/O Module

12 Inputs and 8 Outputs including:

- (8) switch to battery inputs
- (1) input configurable as switch to ground or harness code*
- (3) inputs configurable as switch to ground, 10-bit analog or harness codes*
- (8) 500mA sinking PWM outputs
- (1) J1939 CAN Port

The CL-414 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 HED[®] CL-414 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.
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
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-414 I/O Module

CL-414 I/O Module Pinout

Gray 12-Pin Connector		Black 12-Pin Connector	
Pin	Function	Pin	Function
1	Output DOOUT(-)/PWM(-)(0.5A)	1	Input STB
2	Output DOOUT(-)/PWM(-)(0.5A)	2	Input STB
3	Output DOOUT(-)/PWM(-)(0.5A)	3	Input STB
4	Output DOOUT(-)/PWM(-)(0.5A)	4	Input STB
5	Output DOOUT(-)/PWM(-)(0.5A)	5	Input STB
6	Output DOOUT(-)/PWM(-)(0.5A)	6	Input STB
7	Output DOOUT(-)/PWM(-)(0.5A)	7	Input STB
8	Output DOOUT(-)/PWM(-)(0.5A)	8	Input STB
9	CAN-L	9	Input HID/STG
10	CAN-H	10	Input HID/STG
11	BAT(-) Module	11	Input HID/STG
12	BAT(+) Module / Input Battery Voltage	12	Input HID/STG

Note: Different I/O combinations are available. Please refer to specific CL-414-1XX data sheet for I/O number designations for use within Composer™. Data sheets available on HED® website.

