HED®
Hydro Electronic Devices, Inc.

The HED® CL-607 is a solid-state microprocessor based keypad module that is a member of the HED® CANLink® multiplex control family. It provides a versatile, programmable, and highly visible operator interface.

Designed for use as part of a distributed system, the CL-607 can dramatically reduce vehicle dashboard wiring, and can be programmed with a dimming function.

Each button is available in various colors. Additionally, buttons can be programmed to flash codes for simple troubleshooting and warning indications.

The HED® CL-607 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.

CANLink® CL-607-1XX 2x6 Keypad Sealed CAN Keypad Family

Special Features include:

- (12) Multiplexed rubber membrane pushbuttons
  - Also available: 2x3, 2x4 & 4x3 keypads
- Sealed construction (IP67)
- Long life: 1million+ key presses
- Large 0.75" x 0.75" buttons
- Capable of detecting multiple simultaneous key presses
- Dimmable LED indicators (via CAN or Analog Input)
- Dimmable LED backlit icons (via CAN or Analog Input)
- Optional Power LED indicator
- Customizable button labeling / icons
- Customizable LED indicator location & color
  - 3 LED indicators per button
  - 1 LED indicator between each pair of buttons
    - used for bar graph feature
- Optional 2nd Connector for one of following features:
  - Easy daisy-chain connection of multiple keypads
  - 4 pins for various combinations of Inputs / Outputs
  - 4 pins can be used as harness code inputs
- (1) J1939 CAN port

Specifications	
Mating Connectors: Deutsch	DT06-4S (with W4SA wedge) DT06-4S (with W4SB wedge) 0462-201-16141 16AWG Sockets
Operating Voltage Range:	8 to 32 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.

CANLINK®

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CL-607 2x6 Keypad

A Connector

Deutsch DT06-4PA 4-pin Connector	
Pin	Function
1	BAT(+) Module / Input Battery Voltage
2	BAT(-) Module
3	CAN-H
4	CAN-L

B Connector Option #1

Deutsch DT06-4PB 4-pin Connector	
Pin	Function
1	Input STB / STG / AIN or Output DOUT/PWM/ECC(+) (2A)
2	Input STB / STG or Output DOUT/PWM/ECC(+) (2A)
3	Input STB / STG or Output DOUT/PWM/ECC(+) (2A)
4	Input STB / STG or Output DOUT/PWM/ECC(+) (2A)

Note: Different feature combinations are available. Please refer to specific CL-605-1XX data sheet for feature number designations for use within Composer™. Data sheets available on HED® website.

Note: 2A Output PWM frequency is limited to max of 500Hz. Duty cycle range limited to: 10% to 90%.

B Connector Option #2

Deutsch DT06-4PB 4-pin Connector	
Pin	Function
1	BAT(+) Module
2	BAT(-) Module
3	CAN-H
4	CAN-L

Note: This B connector configuration allows for daisy-chaining of wire harnesses for applications using multiple CL-607 keypads. When daisy chaining, customer is required to install 10A fuse to initial +Battery feeding first keypad.
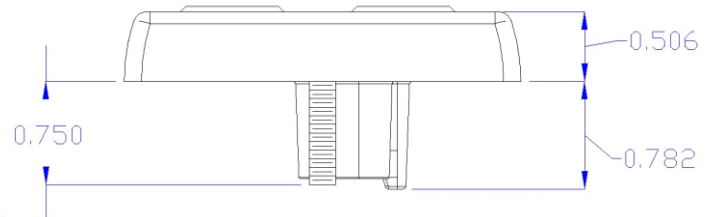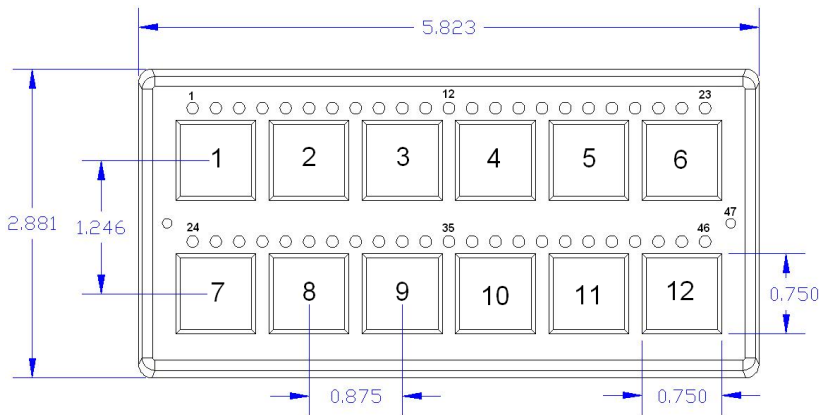
Composer I/O Assignments for Button Inputs & LED Outputs

- Composer Input numbering for each Button is shown on drawing.

- Composer Output numbering for each LED indicator is shown on drawing.

Do not mount keypad in way that will seal/block/plug the vent hole, preventing gore vent from breathing.

Mounting Torque:
Typical: 10-18 in-lbs
Max: 25 in-lbs
Note: Lock washer should be utilized

Panel Cut-Out