

OCM Microprocessor Board



OEM Controls, the industrial leader of electro hydraulics controllers is pleased to introduce the latest microprocessor controller. OEM has developed this state-of-the-art multi-valve driving I/O CAN module with expandability in mind. While the unit can be used as a stand alone multiple valve driver with 8 current regulated PWM outputs (plus 4 no current regulated) and extra digital I/O for logic it can also be used as a master in multiple module CAN systems. This module comes with an HMI display and buttons for easy adjustments / calibration and troubleshooting – no need for an external device or to connect to a computer.

Inputs

- 6 analog (Voltage) Inputs Can Also be factory configured for sourcing digital inputs
 - 11 Bit Input Option (0-10vdc)
 - Resolution = 11 bits Each input is capable of commanding an output channel with 2000 discreet output levels.
- 5 Digital inputs can be factory configured for Sinking or Sourcing operation

Outputs

- 8 – Outputs (4 channels) of current regulated 3 Amp PWN outputs
 - Proportional Outputs 1 – 4 calibrated with PWM frequency A
 - Proportional Outputs 5 – 8 calibrated with PWM frequency B
 - 11 bit resolution – Each output is capable of providing 2,000 discreet output levels
 - Current regulated to +/- 5% for system voltage variation of +/-25% on valve resistance increased of 0 to + 50%
- 4 Output (2 channels) of proportional PWM or digital sourcing 3 Amp
 - 14 bit resolution – Each PWM output is capable of providing 2,000 discreet output levels
 - Proportional Outputs 9– 12 calibrated with PWM frequency C

PWM frequency range: 33-250HZ
Optional Zenor clamp for Pulsar valves (Factory configured)

Human Machine Interface

- LCD Display
 - 2 lines @ 16 characters for system operation and error codes
 - Low temperature display
- Membrane keypad (4 buttons) for calibration – Intuitive menu system works in conjunction with LCD display which allows the operator to choose between the following parameters:

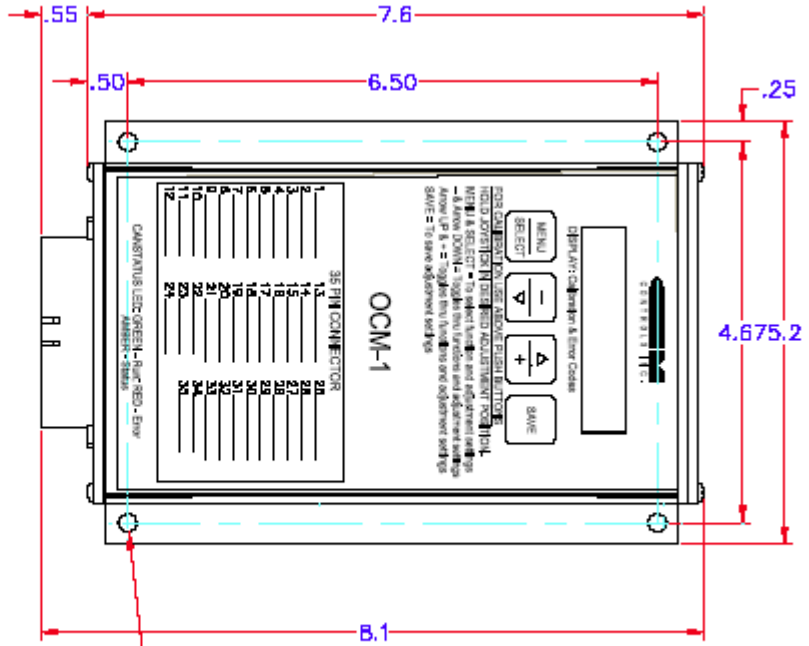
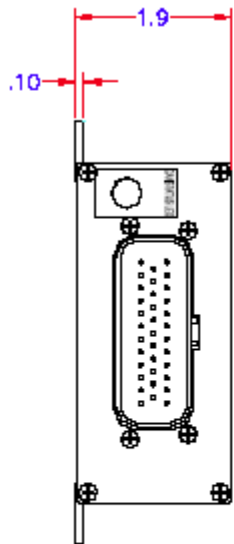
Calibration and adjust	CAN Bus system state (optional)
Application state	Software information

Power Requirements

- 8-32VDC
- Protection: Reverse polarity / Short circuit / Over voltage

Connectors

- Main I/O – 35 Pin AMP connector
- 4 Pin AMP connector (CAN Bus optional)



Ø.234 MOUNTING HOLES
X 4 PLACES



Standard OCM Mounting