Electro-Hydraulic Controls

Designed and Manufactured by
DITCO

EH300 OEM Control Platform

- **Integral design**
  … *enclosure, controller and connector in a compact module*
- **Field programmable**
  … uses a simple handheld terminal for calibration, setup and diagnostics
- **Direct hydraulic drive**
  … four PWM current sourcing electro-hydraulic drivers
- **Flexible OEM platform**
  … 10-32 vdc operation, analog and digital inputs, open or closed loop applications.

The EH300 is a versatile electro-hydraulic controller for OEM applications. This design features an embedded micro controller with 12 kilobytes of application memory for custom OEM applications. The EH300 offers four current sourcing outputs, two digital inputs and two analog inputs, making the EH300 a great platform for developing small to medium size OEM control solutions. Typical applications:

- Two axis control for manipulators, coordinated articulation or steering
- Speed control such as master / slave, speed matching or ratio control
- Pressure or flow monitoring for control or alarm detection
- Closed loop or open loop control schemes for semi or fully automatic control
- Batch or process control with counting and timing functions

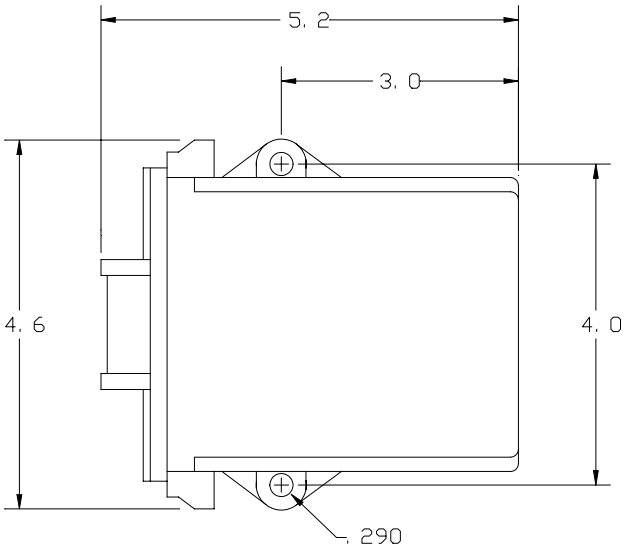
The EH300 design operates from 10 to 32 vdc. The outputs can be arranged for pulse width modulated or solenoid valves. The outputs are rated at 2.5 amps each with current monitoring to create a fuseless design that protects against shorted valve coils or damaged cables. The over current protection automatically resets when the power is cycled. The inputs are opto-coupled with level or edge sensing up to 2 khz. The analog inputs that can be either 12-bit or 8-bit conversion. The analog inputs include pre-amps with span and offset adjustments useful for adapting to various sensor outputs.

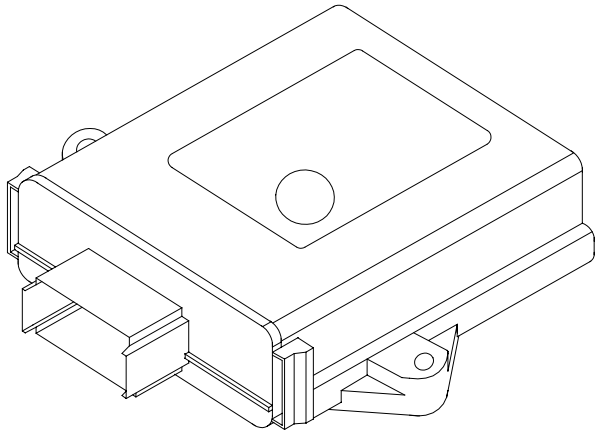
The EH300 is housed in a sealed ABS enclosure with an integral 12-pin connector, making it well suited for mobile vehicle applications. The housing features a removable access cap for connecting a simple handheld programming terminal. Field adjustments, calibrations and diagnostics are easily made using this port, refer to the RD203.

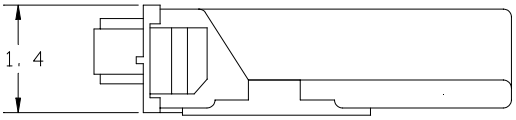
EH300

MECHANICAL

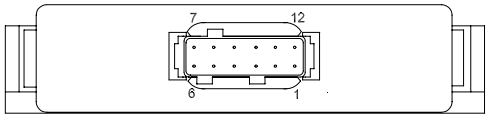
ALL DIMENSIONS ARE IN INCHES





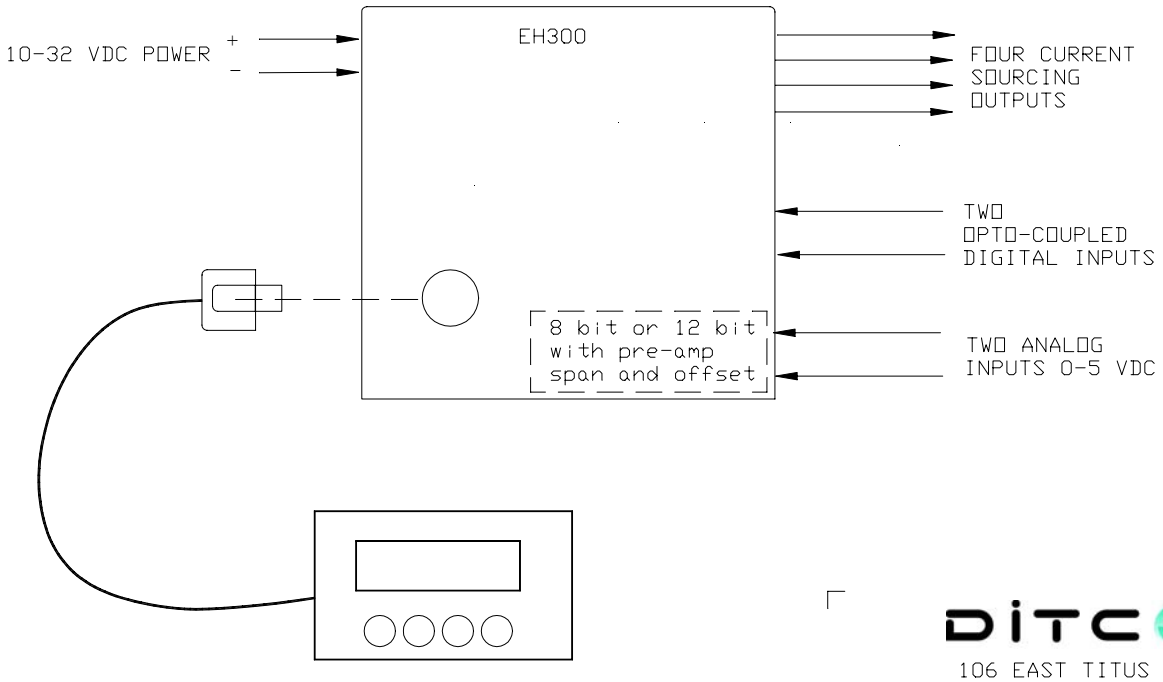


CONNECTOR PINOUT



FACING VIEW

ELECTRICAL



RD203 HANDHELD PROGRAMMER

DITCO
106 EAST TITUS ST.
KENT, WA 98032
(253) 854-1002