



# High Country Tek, Inc.

## Dual Output Proportional Controller: **HAD**

Electronic Control Solutions for the Global Fluid Power Industry



### Application Information:

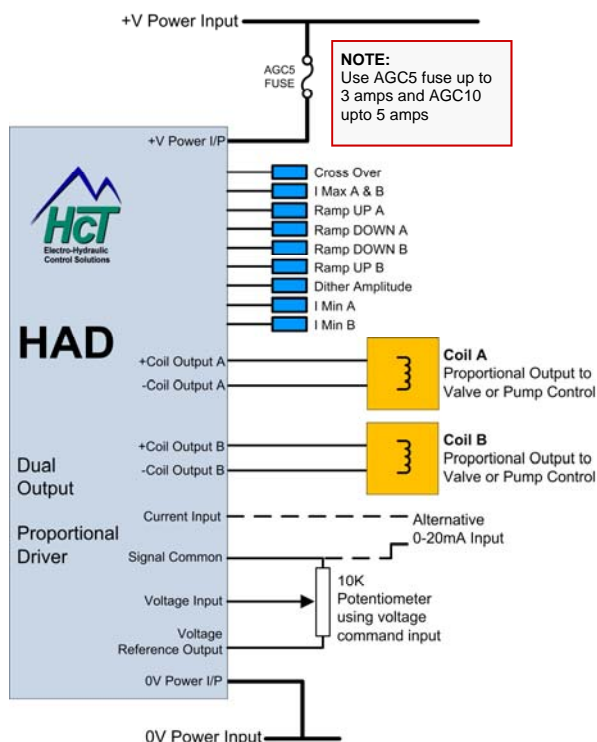
- **Open Loop valve driver module**
- 12VDC or 24VDC system usage
- **DUAL coil valve or pump stroker control systems**
- Direct connection to joystick or potentiometer

### Product Feature Overview:

- **Compatible with all major hydraulic manufacturers products**
- Analog controller for fast integration into any application
- **NO** PC or programming needed to set-up
- Simple, quick adjustments to get working
- Solid flame resistant 'Potted' product - environmentally hardened
- Multiple options for current ranges, up to 5A to get best control.
- Connector options to suit environment of application
- Mount directly to bulkhead or where needed



### Electrical Connection Diagram:



### Controller Specification Overview:

- Housing Type:-** HCT unique 'encapsulated' block.
- Input Supply Voltage:** 11 – 30VDC ( Absolute Maximum )
- Input Supply Current:** Valve Current Setting + 200mA Quiescent (Max)
- Command Input Type(s):** Voltage OR current
- Command Input Value(s):** 0 to  $\pm 5V$ , 0 to +5V, 0 to +10V or 0 to 20mA
- Proportional Output:** 2 x PWM up to 5A max current
- Dither Frequency :** ~30 to 200Hz
- Dither Amplitude:** ~0 to 100%
- Housing Material:-** Black, Polycarbonate
- Wire Connections:-** 10 way screw terminal block with Weatherpack connectors as 'Q' option
- Connector type:-** Screw terminals ( standard )
- Encapsulation:-** Flameproof epoxy resin
- Mounting:-** 3 x No. 8 ( 4.5mm ) screws .
- Temperature range:-** -20 to +60°C ( operational )
- NEMA/IP Rating:** NEMA 6P/68 ( Module only )
- derate for connector as required.**

