



High Country Tek, Inc.

Electronic Soft Shift Controller - **PTD-SS1**

Electronic Controller Solutions for Mobile, Industrial & Marine Applications.

Application Information:

- Electrically adjustable Soft start / Soft Stop controller
- Rate of change not viscosity dependent
- Can be used with all types of electro-hydraulic valves
- Repeatable 'Bumpless' Compression / De-compression
- Perfect for load / Un-load circuits to reduce wear

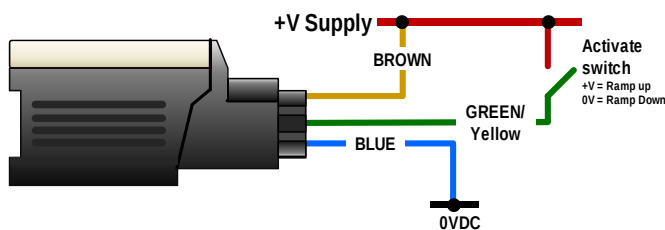
Product Feature Overview:

- Industry standard DIN 43650 connector footprint
- One unit for 10 - 30VDC operation
- Range adjustable from ~50mS to ~1 second
- LED diagnostics show full controller operation at all times
- Complete with 1M/3 feet of color coded wire for fast, easy connection
- Mounting hardware and gaskets supplied with each controller
- Meets latest CE latest test standards
- Flame retardant resin used to fully encapsulate unit for high IP/NEMA rating



Order **PTD-SS1**
for this unit

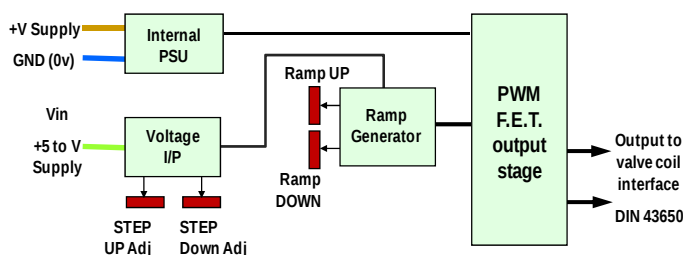
Electrical Connections and Controller Specification Overview:



BROWN - +V Supply Input
BLUE - GND (0V) Supply Input
GREEN/YLW - Voltage Input

NOTE:

If an external voltage source is used, user MUST ensure external signal source 0V is connected to same GND at this controller for correct operation



Housing Type:-

HCT unique 'encapsulated' block.

Input Supply Voltage:

+10 to +30VDC (Abs. Maximum)

Output Current:

3.0 Amps Max (limited)

Output Power:

36W (Abs. Maximum)

Coil Resistance:

4.8 to 30 Ohms @ 20°C

Command Input Type:

Voltage only

Input Resistance:

~820 Ohms

Command Input Value:

+5 to +V Supply (Abs. Maximum)

Step UP/DOWN adjust:

~0 to ~100%

Ramp Times:

50mS to ~1 Sec
Separate UP and Down settings

Housing Material:-

High Impact resistance ABS.

Wire Connections:-

1M/3' pre-connected color coded cable

Encapsulation:-

Flameproof epoxy resin filled

Mounting:-

DIN 43650 connector footprint

Temperature range:-

-20 to +70 °C (operational)

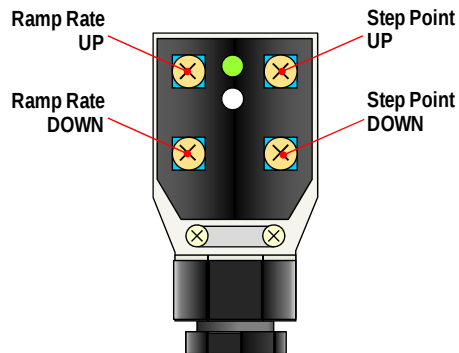
NEMA/IP Rating:

NEMA 6 / IP65 when assembled and

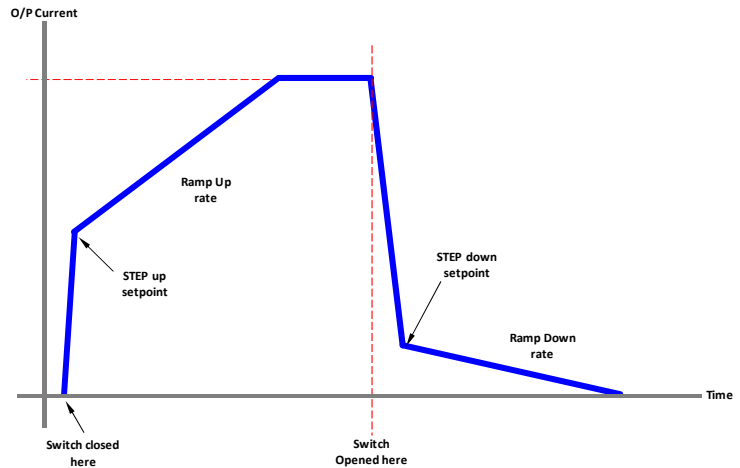


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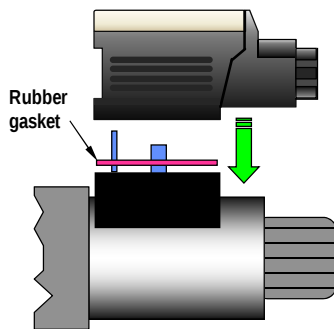
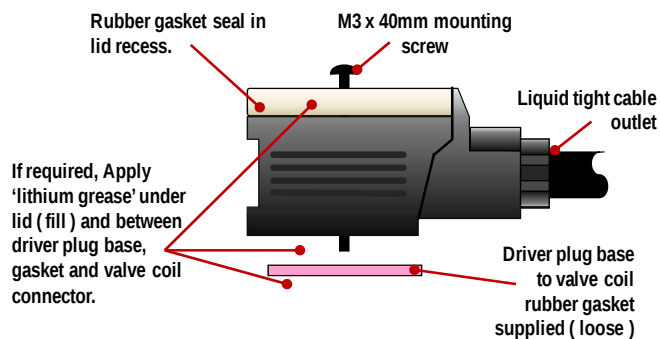
Adjustment Guide and Operation Overview:



- All potentiometers are single turn variety - adjust with care
- ALL potentiometers are clockwise to increase respective value
- Unit is fully encapsulated in flame resistant black epoxy resin
- Controller M3 x 40 mounting screw and gasket supplied

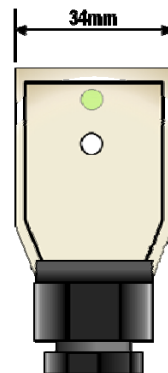


Installation Guide and Dimensional Data:

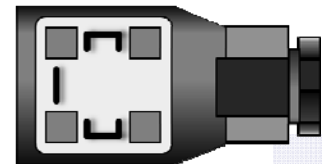
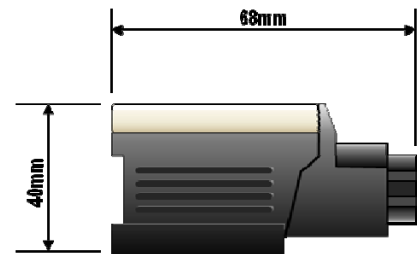


Industry Standard DIN 43650 valve interface.

For maximum operational life, ensure that all parts supplied are re-assembled correctly after adjustment and the PTD-SS1 is securely and firmly mechanically mounted to the valve coil using the provided mounting hardware.



Pre-wired cable removed for clarity



Need More Information ?

For customer service, pricing, order placement and application support, contact us through E-mail at:
order@hydnet.se

www.hydnet.se

