

## PROPORTIONAL AMPLIFIER

Ordering Code:	<b>PCB-2600</b>	
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UNIT:mm

**VERY IMPORTANT**

Do not remove the amplifier from the coil while the power is on. This will cause a failure in the internal circuits of the amplifier, resulting in loss of output to the coil.

### INSTRUCTIONS FOR SETTING

**SUPPLY** Green LED

**RAMP** Ramping up/down time adjustment. For long ramping times, turn potentiometers clockwise, for short ramping times, turn potentiometers counter-clockwise.

**MAX/MIN** I max / I min  
There are multi-course potentiometers for adjustment of min-max and also ramp time.

**FREQUENCY ADJ.**  
The dither frequency can be set with a Jumper to 85, 140, or 300 Hz.

TECHNICAL DATA	
Supply Voltage:	10-35 VDC
Max. Current:	0-2600 mA adjustable for 12 and 24 VDC (Output is a PWM-DC)
Min. Current:	0-600 mA adjustable
Ramp Adjustment:	0~5 Sec.
Dither Frequency:	85, 140, 300 Hz to be set by jumper(Standard 140 Hz)
Ambient Operating temperature	-15~140 °F -10~60 °C
Weight:	0.05 kg

### Connections

**External Voltage Control**

+UB    +Sig (0-10 V)    -GND (0- 5 V)

**Potentiometer Control**

+UB    +5V    -GND

5...10 kΩ

**External Current Control**

+UB    +Sig (0-20 mA)    -GND

**Two Point Control**

+UB    +5V    -GND

. Clamp Connections plug in connector  
Pin 1 = + UB; Supply voltage (10-35 VDC)  
Pin 2 = control voltage (+ Sig)  
Pin 3 = Auxiliary voltage (+ 5 VDC)  
Pin 4 = Ground (GND)  
Pin 5 = Solenoid (-)  
Pin 6 = Solenoid (+)

. Potentiometer  
Turn clockwise means increasing current or Extension of ramp time  
App. 10 turns for complete range

. Fuse  
Standard 20 mm Glass fuse 2.5 A T

. LED's  
LED +VS (green) = lights, when voltage supply and fuse are in order  
LED1 (red) = lights, if there is an output to the solenoid