

Ordering Code: **PCB-2600**

Dimensions: 55.5 mm (width), 70 mm (height), 35 mm (depth).

Internal components labeled: I max., I min., Ramp, Fuse 2.5 A, LED +VS, LED1, Jumper (85 Hz, 300 Hz, 140 Hz), Screw-terminal.

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)
Following is the example to standard setting value of I max. as reference. Using DC24V coil: when input control signal is 0 - 10V (0 - 5V), I max. is 0 - 600mA.		
Min. Current:	0 - 600 mA adjustable	
Ramp Adjustment:	0 - 5	Sec
Dither Frequency:	85, 140, 300 Hz	to be set by jumper (Standard 85 Hz)
Ambient Operating temperature	-4 - 104	°F
	-20 - 40	°C
Weight:	0.05	kg

### Connections

**External Voltage Control**

+UB    +Sig (0 - 10 V)    -GND

(0 - 5 V)

**Potentiometer Control**

+UB    +5V    5...10 kΩ    -GND

**External Current Control**

+UB    +Sig (0 - 20 mA)    -GND

500Ω (0.25W)

**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