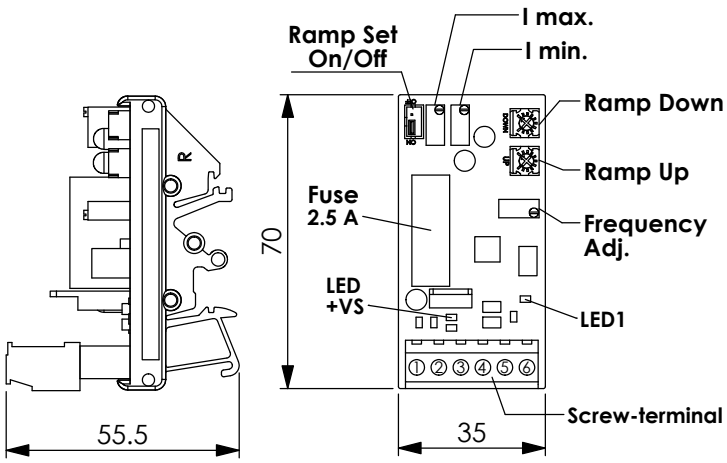
PROPORTIONAL AMPLIFIER (PWM)
(Fully Adjustable)

Ordering Code:	**PCB-2600C**	



UNIT:mm

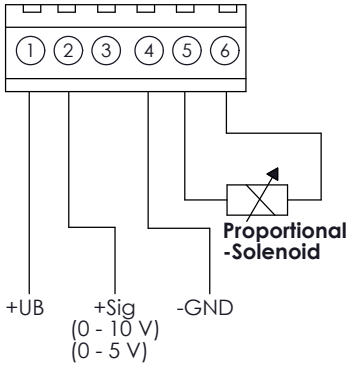
VERY IMPORTANT

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.

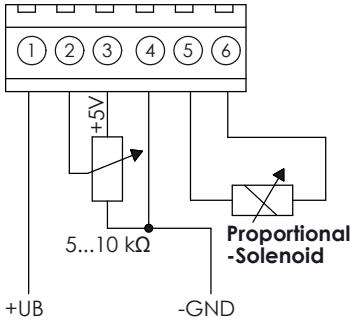
While adjusting RAMP after adjusting I max. will cause the max. current bigger or smaller.
Hence we suggest first to adjust RAMP, then to adjust I max.

Connections

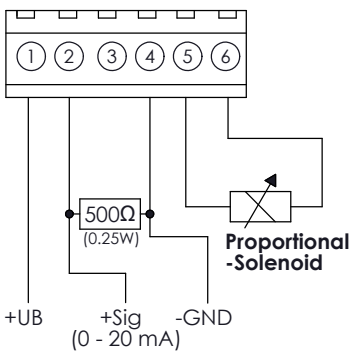
External Voltage Control



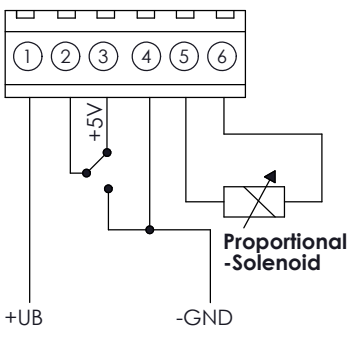
Potentiometer Control



External Current Control



Two Point Control



INSTRUCTIONS FOR SETTING

SUPPLY Green LED

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

RAMP (Set Off)
Ramping up/down time 0 sec.fast respond.

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 adjustable 40 - 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 (Up/Down):0 - 5 Sec

Dither Frequency: 40 - 300 Hz adjustable

Standard setting is approximately 55 Hz.
Frequency is approximately 90 Hz by adjusting clockwise one turn at 55 Hz.
Frequency is approximately 150 Hz by adjusting clockwise three turns at 55 Hz.
Frequency is approximately 300 Hz by adjusting clockwise ten turns at 55 Hz.
＊If you need to reset frequency to factory setting (approximately 55 Hz), please adjust counterclockwise until it clicks, then adjust clockwise three turns.

Ambient Operating temperature	-4 - 104	℉
	-20 - 40	℃
Weight:	0.05	kg

- **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