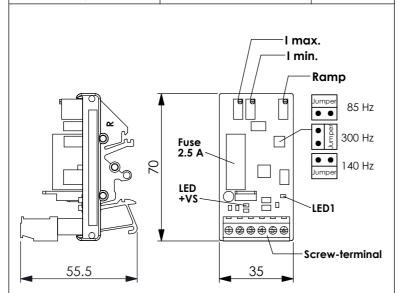


PROPORTIONAL AMPLIFIER (PWM)

(General type)

Ordering Code: PCB-2600



UNIT:mm

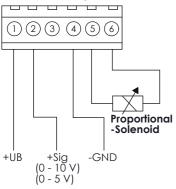
VERY IMPORTANT

Do not remove the amplifier from the coil while the power is on.

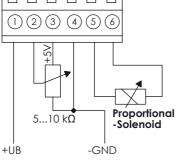
This will cause a failure in the internal circuits of the amplifier, resulting in loss of output to the coil.

Connections

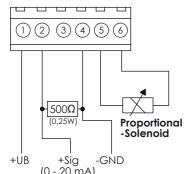
External Voltage Control



Potentiometer Control



External Current Control



Two Point Control (2)(3)(4)(5)+5V Proportional -Solenoid +UB -GND

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

 $^{\circ}F$

 $^{\circ}$ C

Dither Frequency: 85, 140, 300 Hz to be set by jumper (Standard 85 Hz)

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

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