**DESCRIPTION - OPERATION**

These DIN 43650 - ISO 4400 plug-mounted control modules are used to operate proportional valves in open-loop systems. Supply voltage can be provided through an external potentiometer or other generators.

**FEATURES - RATINGS**

- Supply voltage: 9 ÷ 30 V DC
- Control signal: 0 ÷ 8.2 V DC
- Maximum output current: 12 and 24 V DC: 3 A
- Minimum output current: 12 V DC: 0 ÷ 0.9 A
  - 24 V DC: 0 ÷ 0.6 A
- Ramp adjustment up/down: 0 ÷ 10 s
- Frequency adjustment (PWM): 100 ÷ 500 Hz
- Ambient operating temperature: -5 ÷ +50 °C
- Protection class: IP 65 DIN VDE 0580
- Electrical insulation: see pag. 1.71.01
- Weight: 0.120 Kg

N.B: They must be mounted with protection seals to obtain IP 65 protection class.

**INSTRUCTIONS FOR SETTING**

**SUPPLY** Yellow LED

**OFF SET** Minimum current adjustment. Adjust solenoid current so that the desired minimum value is obtained. Clockwise rotation increases current.

**RAMP UP** Ramping up time adjustment.

**RAMP DW** Ramping down time adjustment.

For long ramping times, turn potentiometers clockwise, for short ramping times, turn potentiometers counterclockwise.

**FULL LOAD C** Maximum current adjustment. Adjust solenoid current so that the desired maximum value is obtained (up to 3A). Clockwise rotation increases current.

**FREQUENCY ADJ.** Adjusting this internal potentiometer (after removing the external plastic cover), it is possible to set the PWM frequency obtaining the desired control sensitivity. Clockwise rotation increases frequency from 100 to 500 Hz max.

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**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.