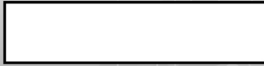


Part number:



HYDROMA

HYDRAULICKÉ SYSTÉMY

**HIDROMA
SYSTEMS**

UKŁADY HYDRAULICZNE

HYDROMA

ГИДРАВЛИЧЕСКИЕ СИСТЕМЫ

PROPORTIONAL VALVES ELECTRONIC CONTROLLERS

EPC-H01

OD.01.91.20.04.OC

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: $9 \div 30$ V DC
- Control signal: $0 \div 8.2$ V DC
- Maximum output current 12 and 24 V DC: 3 A
- Minimum output current 12 V DC: $0 \div 0.9$ A
24 V DC: $0 \div 0.6$ A
- Ramp adjustment up/down: $0 \div 10$ s
- Frequency adjustment (PWM): $100 \div 500$ Hz
- Ambient operating temperature: $-5 \div +50$ °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.

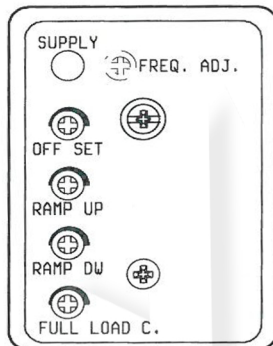
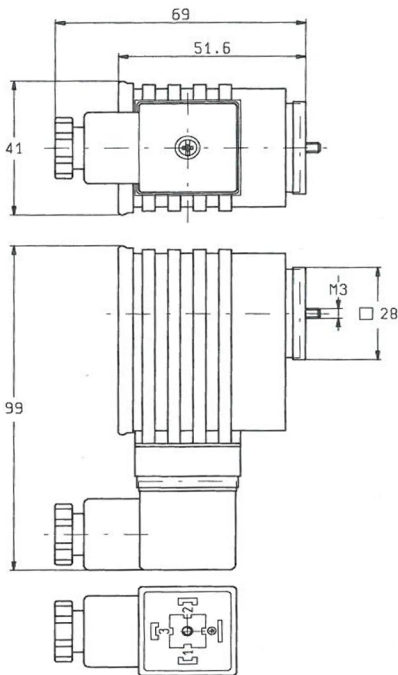
RAMP UP Ramping up time adjustment.

RAMP DW Ramping down time adjustment.

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

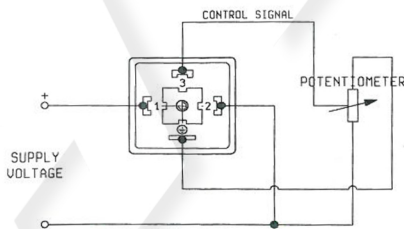
FULL LOAD C Maximum current adjustment. Adjust solenoid current so that the desired maximum value is obtained (up to 3A). Clockwise rotation increases current.

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.



CONNECTION EXAMPLE

with external potentiometer



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.