

**REP-200 EMCSA**

**Electronic regulator for Proportional Valves  
double Solenoid**

The command REP-200 is born for controlling proportional valves with double solenoid valves open loop ie those that do not have internal positioning of the transducer. The REP 200 is a device microcontroller that thanks to this technology, "DIGITAL", you can drive any type and brand of proportional valve, a voltage between 10 and 30 Vdc and a current between 0 and 2500mA. The current regulation and ramps is made via a PC with software GAMMA1.32 SUITE or handheld programmer PES93C46. The controller is integrated in a box with bar attachment omega.

**SPECIFICATIONS:**

- POWER: ..... @ 8V 30V
- BURDEN: ..... 18mA @ 12V
- RESOLUTION INPUT potentiometer: ..... 10Bit
- OUTPUT VOLTAGE POTENTIOMETER: ..... + 5V
- MAX. POWER OUTPUT potentiometer: ..... 1W
- RECOMMENDED VALUES POTENTIOMETER-TI: .....4K7/10K
- REFERENCE INPUT: ..... 0.5 to 4.5 V / 0-10V
- AREA OF NOT WORKING: ..... 50% V input CURRENT ADJUSTMENT.
- PROPORTIONAL SOLENOID: ..... from 0.05A @ 2.5A
- CURRENT ADJUSTMENT Imin., Imax: ..... 0-50%
- SETTING TIME OF RAMP: ..... 0 - 10sec
- PWM: ..... 100Hz-330Hz .....
- PWM RESOLUTION: ..... 9 Bit ...
- TEMPERATURE RANGE: ..... -15 ° C to +70 ° C
- TERMINATION: ..... cable .....
- DEGREE OF PROTECTION OF: ..... IP67
- EMI FILTERS: ..... All inputs and outputs
- OUTPUT PROTECTED AGAINST SHORT CIRCUIT INTERRUPTED OR NO SIGNAL VALVE
- OUTPUT PROTECTED AGAINST SHORT CIRCUIT PROGRAMMING PARAMETERS Imin., Imax., Ramps, Reference d 'Entry, Power Valves, PWM working, Sets the gain of the input signal, control point central (point of no work solenoids or dead band)
- OPTIONS: Serial communication RS232, CAN bus communication



**PRODUCT COMPLIANCE WITH EUROPEAN STANDARD RHOS  
2002/95/EC**

**CE Certification**

**Electromagnetic compatibility with European Standards EN61000-6-2 industrial immunity**

**Emission EN 61000-6-4.**

**NB If you use cables longer than 3 meters you must insert a ferrite EMI 7427044 (74270057) on the cable of the valve**

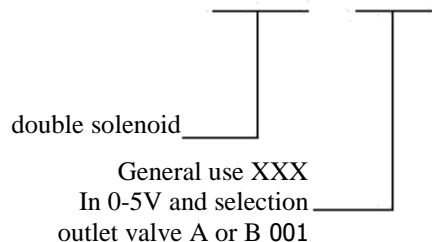
Code Article: F00200

**MODELS:**

- REP- 200 - XXX
- REP- 200 - 001

**DESCRIPTION CODE:**

**REP 200 - XXX**



**REP-200 EMCSA**

# Electronic regulator for Proportional Valves double Solenoid

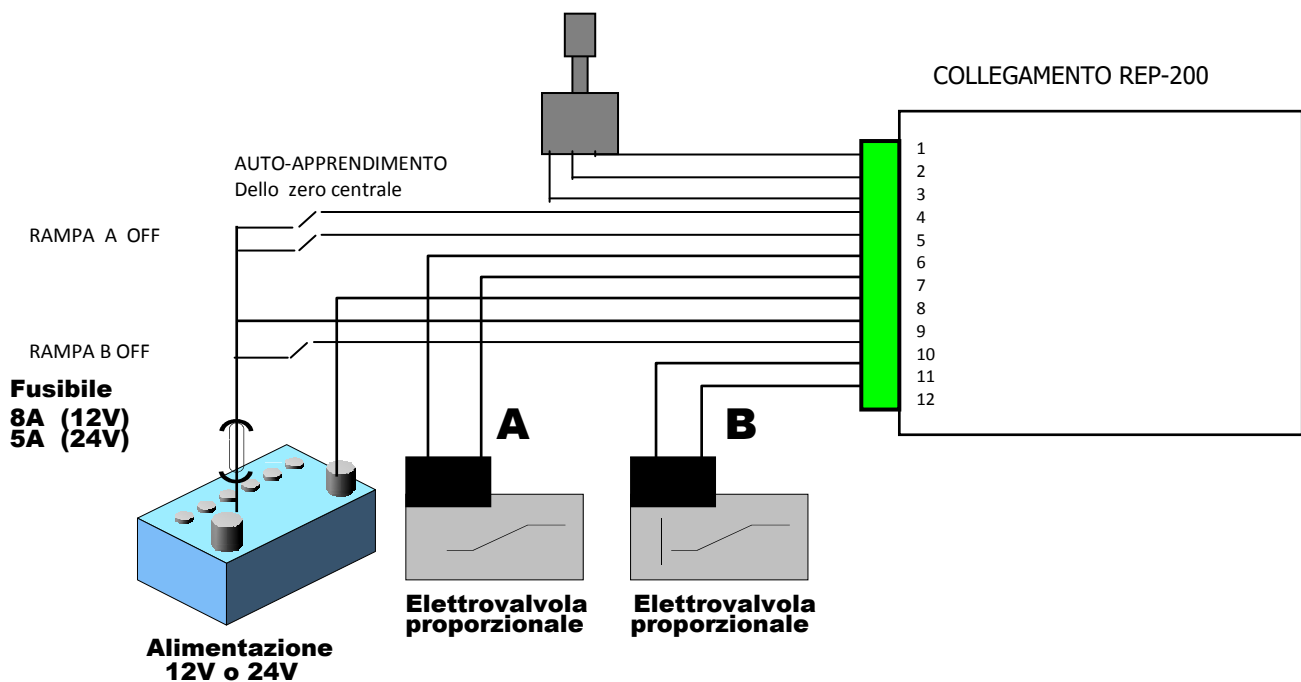
**OPERATION**

The controller REP-200 è integrato in a box with snap-on omega bar with 12-pin removable terminal on the front.  
The system works on the principle of pulse width modulation said PWM and is operated in the back current to obtain an output current to the solenoid proportional to the input signal.  
They were provided protections against output short-circuit, current limiting in case of over temperature protection and reverse polarity protection.  
In the case of open circuit (open coil), the red LED flashes overload.  
Ability to enable a short circuit input into the eeprom leased putting 0x0A 00.

**SETTING**

The REP-200 can be adjusted to suit your needs through the dedicated software programmer or GAMMA1.32 SUITE PES93C46.  
Inserting the cable into the connector the system automatically positions itself in the programming mode, the display of PES93C46 will display the data contained in the REP-200. Using the UP and DOWN buttons to scroll through the data by changing the numeric keypad with the desired parameters, press enter to confirm them, and then you switch to the next display will show the message until PROGRAM. At this point with the F2 key, you program the REP-200 with the new data.  
And 'possible to provide the REP-200 pre-calibrated to customer specifications.

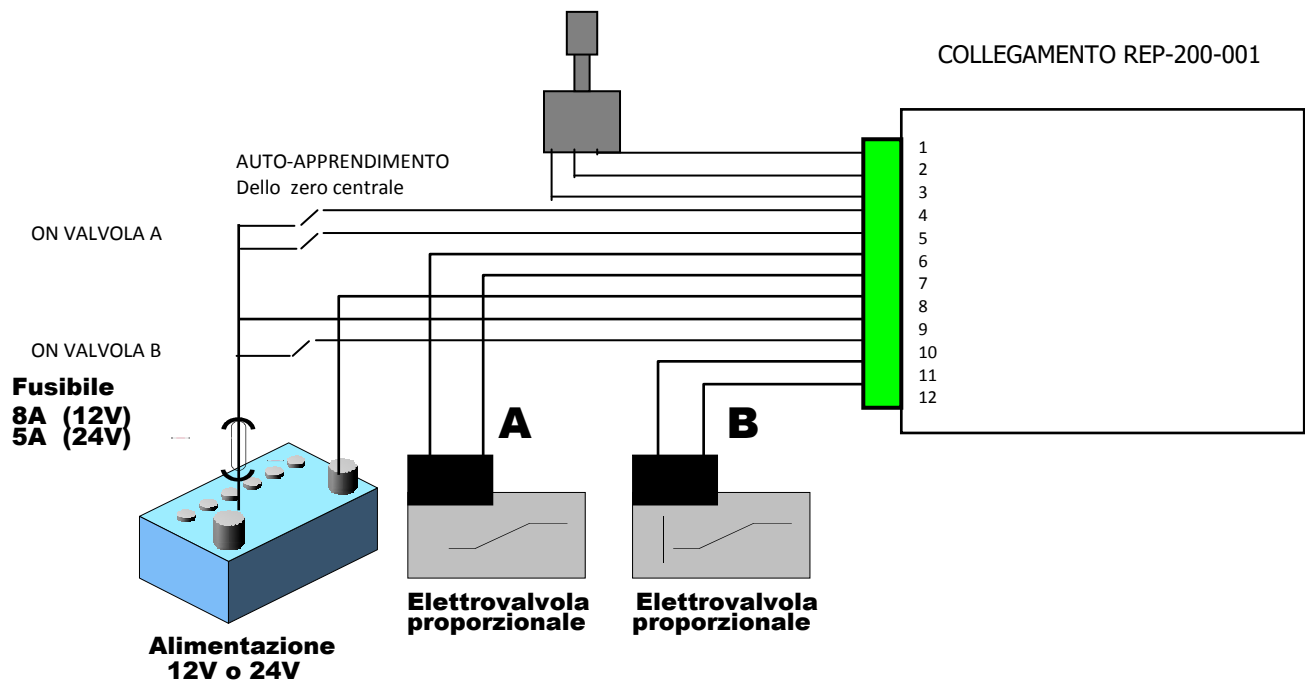
**INSTALLATION REP-200**



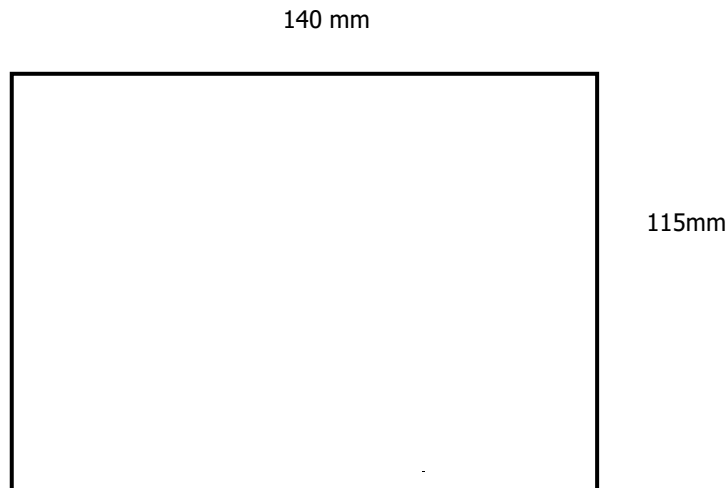
**REP-200 EMCSA**

**Electronic regulator for Proportional Valves  
double Solenoid**

**INSTALLATION REP-200-001**



**DIMENSIONS**



The company assumes no responsibility for any errors that may appear in this document and reserves the right to change the descriptions and data without prior notice.

