



DIFFERENTIAL REGULATION CONTROL UNIT FOR THERMAL SOLAR PANEL SYSTEMS

- The EV40 differential control unit is suitable for the regulation and control of thermal solar panel systems, both of the vacuum tubes and flat plates types, with fluid forced circulation.
- 8 systems already stored in the memory.
- Other customizable by programming.
- The control unit is fitted with three analogue inputs for reading temperatures (0 to 150°C), and with two relays operating the solar pump. If required it can be fitted with another electromechanical actuator which will be different according to the type of system selected.
- A third relay can be programmed to cover different auxiliary functions.
- Furthermore, the EV40 control unit can be linked to a EM70 modem in order to remotely programme and manage the system using SMS messages, or just to know its current status.
- DIN rail mounting.
- Consumption: 5VA.
- 3 output relays.
- Switch contact rating: 5(3) A 250VAC.
- Compliant with the following EC Regulations: 2006/95/EC, 2004/108/EC, 1993/68/EC.
- Compliant with the following Standards: EN60730-1.
- RS232 serial port for modem connection.

CODE	SUPPLY VOLTAGE AND FREQUENCY	MODULES NUMBER	ADMISSIBLE OPERATING TEMPERATURE	PROTECTION LEVEL
EV40	230V~ 50Hz	6 modules	0 ÷ 50 °C	IP40



ELECTRONIC CONTROLLER FOR HEATING SYSTEMS

- For heating systems in apartment buildings, detached houses.
- Regulates the flow temperature of the system according to the outside temperature through a linearized regulation curve.
- Regulation is performed by direct control of the burner or with P.I. control of motorised mixer valves.
- Potentiometers to select the heating curve and to regulate the comfort and economy temperatures.
- Switch to select type of operation: off, antifreeze, always economy, economy night/comfort day (auto), antifreeze night/comfort day (auto).
- Potentiometer to regulate the delay in circulation pump shut-down.
- Pilot lights.
- Control unit with quick connection to base via FASTONS, transparent protective cover.
- Compliance with law 373, law no. 10 of 9 January 1991 and Presidential Decree 412 of 26 August 1993
- Compliance with standards CEI EN 60730-1.
- Consumption 5 VA.
- Output via relay on voltage free terminals.
- Switch contact rating 5A- 250Vc.a. (Ohmic load).
- Protection against radio disturbance with RC unit.

CODE	PROGRAMMING	SUPPLY VOLTAGE AND FREQUENCY	ADMISSIBLE OPERATING TEMPERATURE	PROTECTION LEVEL
EV02F	Daily programming	230V~ 50Hz	0 ÷ 50 °C	IP40
EV05M	Weekly programming	230V~ 50Hz	0 ÷ 50 °C	IP40



FIXED POINT TEMPERATURE DIGITAL CONTROLLER

- Temperature control unit for applications in which the temperature must be kept at a constant value such as systems to produce domestic hot water, swimming pools, hot beds for greenhouse plants, etc..
- Controls of a motorized mixer valve or ON-OFF control for two independent stages of a two-stage burner.
- Alphanumeric display and 4 function keys for easy setting of parameters.
- PI (proportional-integral) regulation for fast and accurate adjustment without deviating from the set temperature.
- Data set using menu.
- Compliance with standards CEI EN 60730-1.
- Consumption 5 VA.
- DIN rail mounting (6 modules)
- Removable terminal block for easy replacement.
- Switch contact rating 5A - 230Vc.a. (Ohmic load).
- Anti-legionnaire's function can be set weekly and regulated (this function allows bacteria to be eliminated from the water by programmed raising of the temperature to 70°C)

CODE	SUPPLY VOLTAGE AND FREQUENCY	MODULES NUMBER	ADMISSIBLE OPERATING TEMPERATURE	PROTECTION LEVEL
EV60	230V~ 50Hz	6 modules	0 ÷ 50 °C	IP40