

ELECTRONIC CONTROL UNITS FOR THERMOREGULATION

USE

Suitable for heating systems in apartment buildings and detached houses.

INSTALLATION AND OPERATION

The device regulates the delivery water temperature of the system as a function of the outside temperature.

Regulation is performed by direct control of the burner or with P.I. control of a 3- or 4-way motorised mixer valve.

The outside and delivery temperatures are detected by a special probe; these values are sent to the control unit which, according to programming, "decides" the delivery water temperature value to be sent to the system to keep the ambient temperature constant.

Wall, flush or rear panel mounting possible.

SPECIFICATIONS

Potentiometer to select the linearized heating curve (outside temperature- delivery water temperature), with slope adjustable from 0.25 to 4.5.

Potentiometer to regulate the economy ambient temperature, with parallel translation of the heating curve.

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6-way switch to select type of operation: - off - antifreeze - always economy - on -economy night/comfort day (automatic) - antifreeze night/ comfort day (automatic).

Switch to select type of regulation: - ON-OFF control of the burner

proportional integral (PI) control of motorised mixer valves with completely electronic feedback

Potentiometer to regulate the delay in circulation pump shut-down.

Pilot lights

Control unit with quick connection to base via FASTONS, transparent protective cover.

STANDARDS AND APPROVALS

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.

ELECTRICAL SPECIFICATIONS

Consumption 5VA

Output via relay on voltage free terminals.

Contact rating 5A-230Vac (Ohmic charge)

Protection against radio disturbance with RC unit.



EV02F

TYPE	PROGRAMMING	Supply voltage and frequency	Admissible operating temp. °C	Protection	Weight each Kg.	Packs of No
EV02F	Daily programming with quartz clock with 100 hour charge	230 V \pm 10% 50 Hz	0 to 50	IP 40	1.02	
EV05M	Weekly programming with quartz clock with 100 hour charge	230 V \pm 10% 50 Hz	0 to 50	IP 40	1.02	

Probes for surveying temperature

Outside probe.....EC01

Contact delivery probe with strap for fixing to the pipe..EC02

Immersion delivery probe with protective sheath

and tapered G 1/2 threaded connection

(see C0 sheet for specifications).....EC03

Accessories

Brackets for rear panel fixing.....303326D

Wiring diagram for controlling motorised mixer valves with servo controls supplied at 230 V 50 Hz

