



EV200RL

WIRELESS MULTI-SYSTEM CLIMATE REGULATOR



- On-off control of up to 7 independent room temperature zones
- Management of actuators with either 3-point control or 0-10V voltage for carrier fluid mixing
- Climate control function for managing heating and cooling via external wireless probe (code EC18RL, sold separately)
- Long-range LoRa® radio communication with the Fantini Cosmi wireless multi-zone temperature and humidity regulation system



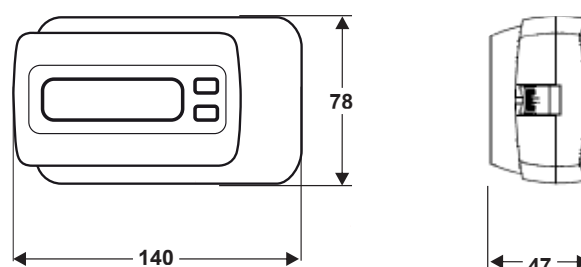
Power supply	230Vac - 50Hz
Temperature measurement range	0 ÷ 120 °C
Type of digital outputs	1 relay (5A @ 250Vac) 6 relays (2A @ 250Vac)
Type of analog outputs	0÷10V~
Type of analog inputs	2 inputs for temperature probes or auxiliary use
Interfaces	<ul style="list-style-type: none"> ■ LoRa® (868 MHz) ■ Bluetooth 5.0 (2,4 GHz)

STANDARDS AND CERTIFICATIONS

- Compliant with standards EN 60730-1 and relevant parts; Directive 2014/53/EU (RED); 2014/30/EU (EMC); 2014/35/EU (LVD);
- ErP Class VIII when paired with a CH180WIFIRL multi-zone programmable thermostat and at least three 070RL wireless thermostatic heads or one C830RL wireless zone thermostat and one EC18RL external probe;



DIMENSIONS mm

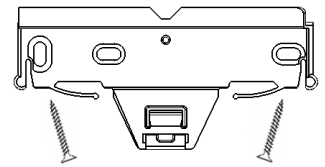


INSTALLATION

Wall mounting with bracket.

Electrical connections to external devices and communication infrastructures are made via the terminal block located on the back of the unit.

Connections must be carried out according to the configurations set via the **FAN Builder** app.



FAN BUILDER
configuration App
free of charge

TECHNICAL FEATURES

Power supply	230Vac - 50Hz
Power consumption	10W max
Operating ambient temperature	+5 ÷ +55 °C
Transport/storage temperature	-20 ÷ +55 °C
Degree of protection	IP52
Temperature measurement range	0 ÷ 120 °C
Analog inputs	2 x NTC 10K
Type of analog outputs	0÷10V~
Type of digital outputs	1 relay (5A @ 250Vac) 6 relays (2A @ 250Vac)
Interfaces	<ul style="list-style-type: none"> ■ LoRa® (868 MHz) ■ Bluetooth 5.0 (2,4 GHz)
Software	Class A
Electrical insulation	Double insulation
Impulse voltage	4000V~

SYSTEM LAYOUT EXAMPLES



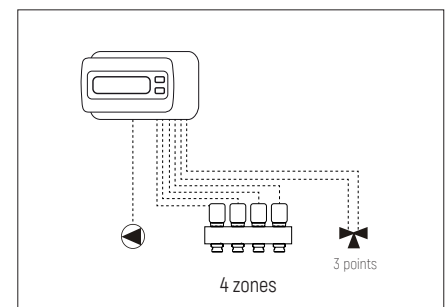
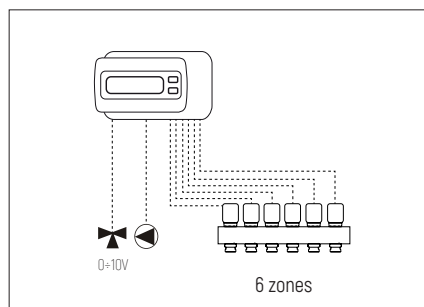
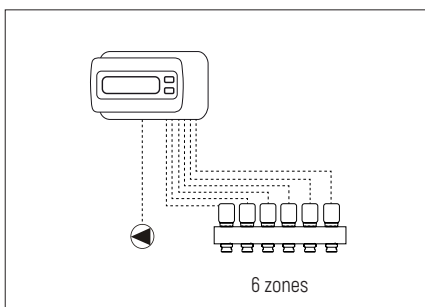
Circulator



Mixing valve



Electrothermal actuator



SPECIFICATION

Wireless multi-system climate regulator, for the automated management of electrothermal heads on the manifold and the regulation of mixing and activation of the secondary (hot/cold) circuit.

Power supply: 230V AC - 10W; Power consumption: 4VA max (excluding load); Contact rating: 5 (3) A - 250V AC; Auxiliary pump relay: 5 (3);

7 output relays with volt-free contacts, 2 analog inputs for temperature probe management, 1 analog voltage output 0/10V suitable for controlling modulating actuators, measuring range 0-120°C.

Environment priority management via a dedicated menu to correct the supply temperature calculated by the climate module.

Climate module configuration via Bluetooth using an Android or iOS smartphone with the dedicated FANBUILDER app; configuration can be saved in Json format.

Wireless execution, IP52 rating, with long-range LoRa® 868 MHz radio communication protocol.

Compatible with external probe Fantini Cosmi EC18RL for climate optimization based on external conditions.

Possibility of connecting flow and return probes for wells (model Fantini Cosmi EC17 - optional).

Integration into the Fantini Cosmi LoRa® multi-zone radio system for intelligent climate control management.

The specifications related to the devices in this document are not binding. Fantini Cosmi S.p.A. reserves the right to make changes without prior or public notice, for reasons of technological improvement, regulatory developments, or commercial purposes, while maintaining the main functional characteristics of the models.