



# CH177RL

## 1 RELAY WIRELESS RECEIVER



- Configurable relay for control of: heating, cooling, dehumidification, and integration
- Long-range LoRa® radio communication
- Remote control via APP through the CH180WIFIRL multi-zone Wi-Fi radio programmable thermostat



\* with CH180WIFIRL



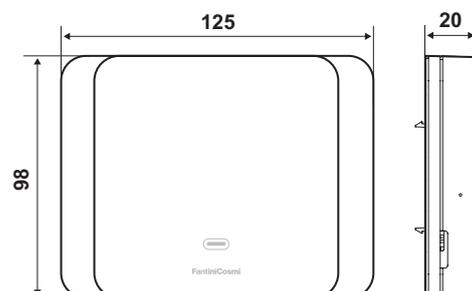
Power supply	230Vac - 50Hz - 2W max
Relay contact rating	5(3)A - 250Vca
Maximum cable cross-section	2,5 mm <sup>2</sup>
Maximum ambient temperature	45 °C
Storage temperature	-10 ÷ +60 °C
Software	Class A
Insulation class	Class II
Protection rating	IP32
Pollution degree	2
Weight	0,100 kg
Transmission frequency in ISM band	EU868
Mounting	Wall-mounted or on a flush-mounted box type 503

### STANDARDS AND CERTIFICATIONS

- Compliant with EN 60730-1 and relevant part 2 standards
- Compliant with Directive 2014/53/EU (RED);

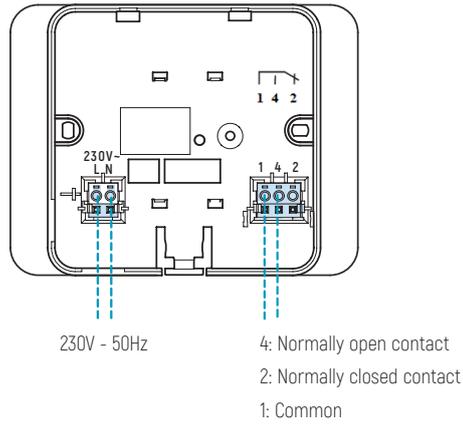


### DIMENSIONS MM



## INSTALLATION

Wall-mounted or flush-mounted in a type 503 box.



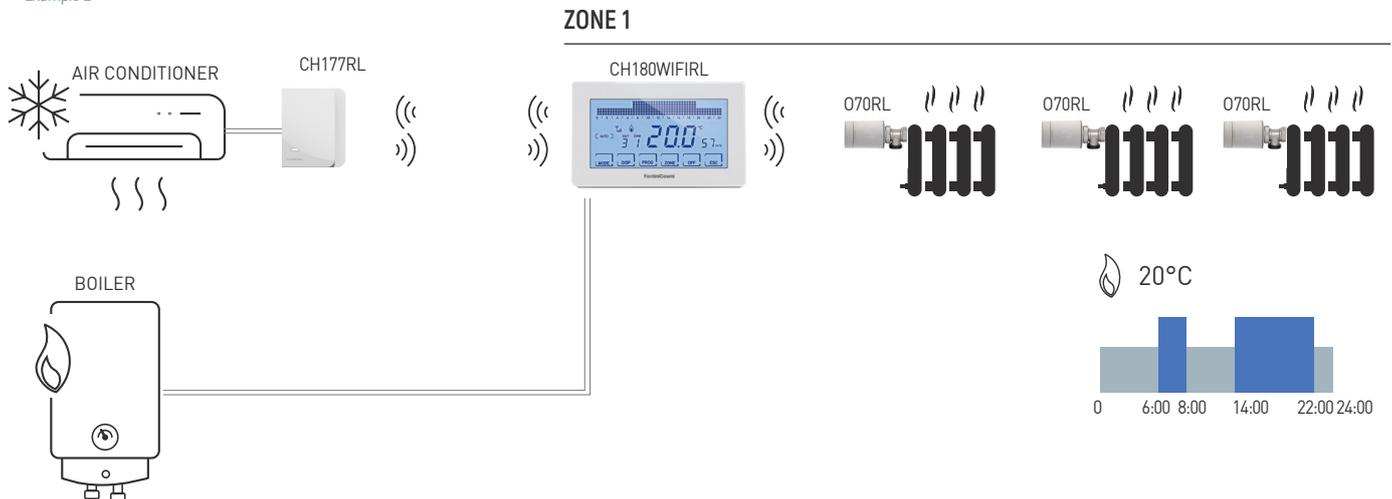
## OPERATION

- The CH177RL is an actuator module that, when connected to the wireless network of the Fantini Cosmi multi-zone system, allows remote control of various devices such as boilers, heat pumps, zone valves, cooling systems, dehumidifiers, mechanical ventilation systems (MVHR), irrigation systems, and other equipment.

Example 1



Example 2



## SPECIFICATIONS

Radio actuator of the Fantini Cosmi multi-zone temperature and humidity control system, designed to remotely control the activation of a boiler or a zone valve. The actuator features 1 configurable relay for controlling: heating, cooling, dehumidification, and integration.

Specifications: Power supply: 230VAC  $\pm 10\%$  - 50Hz - 2W max; Transmission frequency in ISM band: EU868; Relay contact rating: 5(3)A - 250VAC; Wall-mounted installation; Protection rating: IP32; Housing: white ABS.

Compliant with EN 60730-1 and relevant part 2 standards; Directive 2014/53/EU (RED).

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.