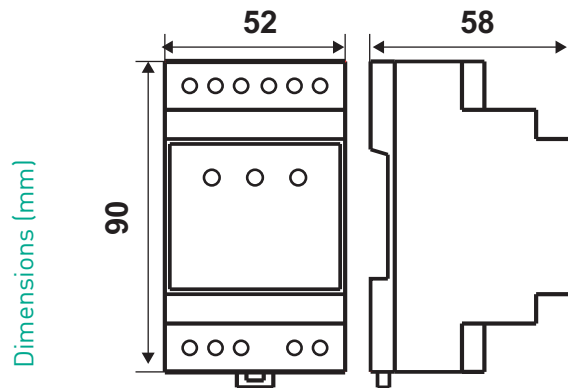# CH173D
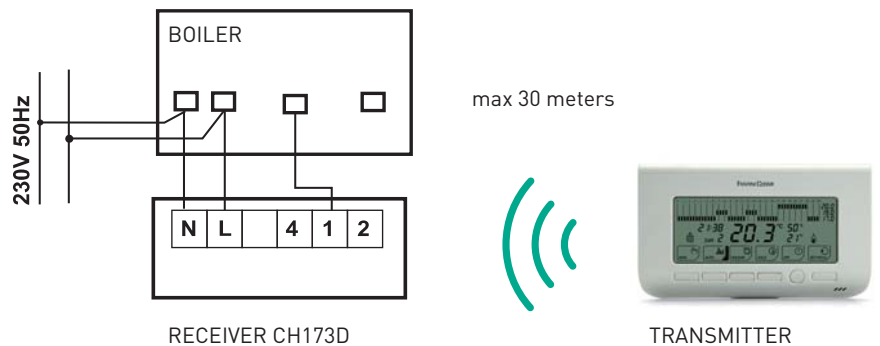## Radio actuator for Intellitherm and radio frequency thermostats

CH173D modular actuator for the remotely control via radio waves of the heating and air-conditioning installations, for C57RF, C58RF programmable thermostats and CH115RF radio frequency thermostats.

Dimensions (mm)

52   58

90

	Mounting	Remote relay power supply	Contacts rating	Adjustable room temperature	Protection degree
CH173D	DIN rail	230Vac 50Hz	5(3)A 250Vac	45 °C	IP40 (back panel)

ELECTRICAL CHARACTERISTICS

Power supply: 230V 50 Hz.
Absorbed power: 2VA.
Contacts rating: 5(3)A 250Vac.
Voltage-free switching contacts.
Type of action: 1B (micro disconnection)
Pulse voltage: 4000V.

BOILER

230V 50Hz

max 30 meters

N   L   4   1   2

RECEIVER CH173D

TRANSMITTER

HOMOLOGATION AND STANDARDS

In conformity with the following directives: BT, EMC, R&TTE.
Standards: EN60730-1, EN 301 489-3, EN 300 220-3.

CE   EAC

INSTALLATION

3-module DIN-rail mounting (1 module = 17,5mm).

OPERATION

CH173D is a radio receiver (actuator) that coupled with a transmitter of Fantini Cosmi product line enables to control remotely a preset user (usually a boiler). Sent radio signal is free from interference with other devices even if the same frequency is used.

The distance between the actuator and transmitter must not exceed 30 m in closed spaces and 70 m in open spaces (N.B. signal reception range data can vary according to environmental conditions).

Do not shield the device with metallic parts.

The receiving device CHARACTERISTICS three led giving the following indications:

POWER ON: when this led is on it indicates that the receiver is properly powered. The meaning of the different colors of this LED is specified below.
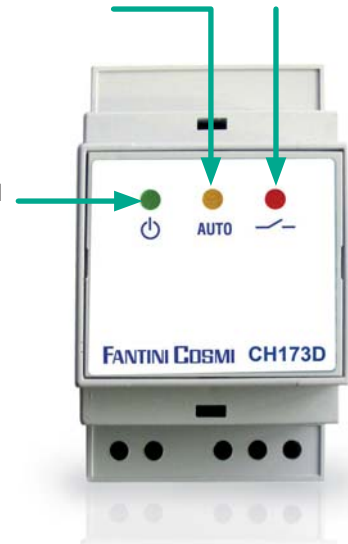
AUTO: when this led is on it indicates that the receiver is configured in AUTOMATIC MODE.

Otherwise, when the led is OFF the MANUAL MODE is active.

CONTACT STATUS: it indicates, if the led is on that the relay contact is closed, otherwise (led OFF) it will be open.

AUTOMATIC/MANUAL MODE

CONTACT STATUS

POWER ON

AUTO

FANTINI COSMI CH173D

ELECTRICAL CHARACTERISTICS

Storage and transport ambient temperature: -25 ÷ 60°C.
Receiver: OOK 868,350 MHz.
Sensibility: -104 dBm.
Pollution degree 2.
Software class A.
▣ double insulation.
Type of action: 1B (micro disconnection)
Pulse voltage 4000V.