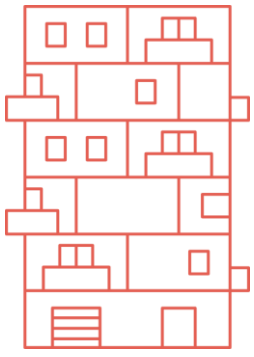
ZONiNG

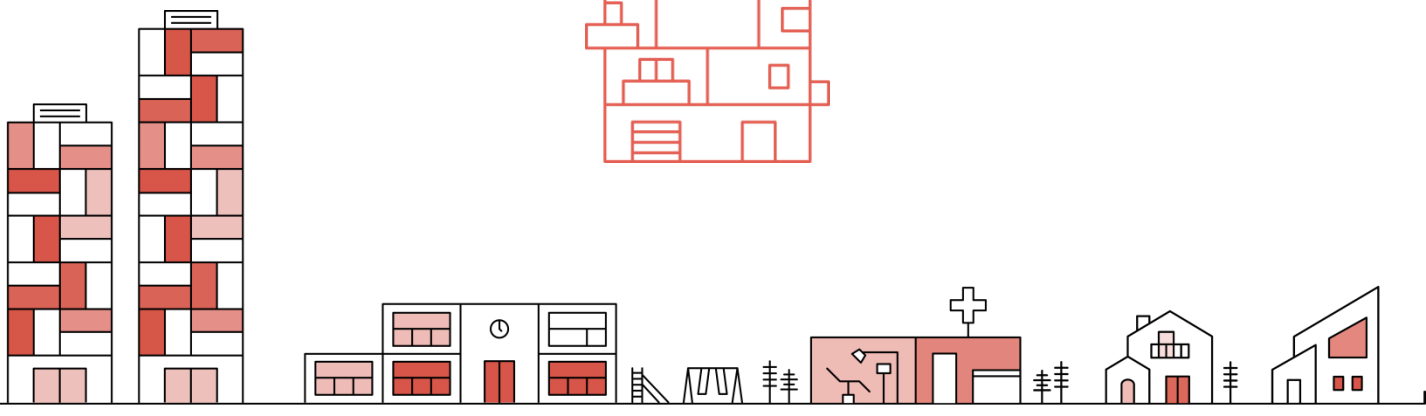
In your apartment

ENERGY SAVING

Zmartbox

Plug and play





ZONiNG

Zoning is the ultimate solution to problems with temperature discomfort caused by air conditioning systems with a single centralized thermostat.

Conventional centralized systems do not provide real comfort, because the ideal temperature in one room will not be the same as in others, due to geographic orientation (whether it is reached by the sun or not), the way in which the room is used and, of course, whether there is anyone in there or not.

Zmartbox

IS THE PLUG&PLAY SOLUTION FOR ZONING IN DUCTED –BASED AIR CONDITIONING INSTALLATIONS

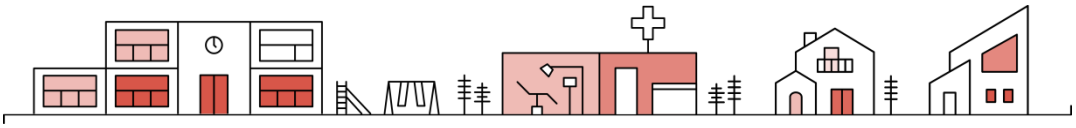
ZmartBox is formed by a Zoning control kit (control unit+thermostats+communication interface) and a motorised distributing plenum (with 2 to 6 outputs + bypass if necessary), compatible with most internal air conditioning units based on direct expansion and duct fan-coils.

The ZmartBox set is delivered completely cabled, configured and ready to be installed onsite #PlugandPlay.

In a **zoned** air conditioning system, **thermostats** and **control dampers** are installed in each of the zones that require air conditioning along with a **central control unit** to manage the entire system.

The **thermostats** measure the temperature in each room, the control unit processes the information it receives and then acts on the control dampers in the zone and on the cold and heat producing equipment, to create the temperature that the user wants at any time, all with the minimum consumption possible.

The **communication buses** with the production machines and the **pressure regulating systems** in the air ducts are essential for an optimal installation.



ZONiNG

±ºC Control the temperature in each room independently .

Separately turn off and turn on in each zone

ECO Activate the ECOnomic mode in temporarily unoccupied zones.

Program the start up and turn off times in each zone each week.

7 8 9 10 11 12 13 14 15

Block the thermostats to avoid unwanted manipulation

ºC

Limit the minimum and maximum temperature in each zone. .

What can I do with my ZONING System?

MASTER

MASTER Control the air conditioning equipment from the MASTER thermostat using the communication interfaces.

Set the parameters of the system to select the temperature adjustments in each zone and adapt them to your needs.

FleXiFan

FLEXIFAN Thanks to the fan speed control system, you can adapt the volume of air flow of the machine based on zones where there is more or less demand and the nature of your particular installation.

Integrate your ZONING equipment with other **DOMOTIC** devices.

Using Madel's **CLOUD** interface. You will be able to remotely control your system and add other functionalities. .

17.09

What do you need for your zoning system?

01 Select the number of zones and the diameter of the pipes.

02 Check the compatibility of the internal unit and report on the model and exact rating so that the Zmartbox kit is perfectly adapted to the equipment.

DAIKIN · MITSUBISHI ELECTRIC · MITSUBISHI HEAVY INDUSTRIES · GENERAL · FUJITSU · Fuji Electric · HIYASU · Panasonic · TOSHIBA · LG · HITACHI · SAMSUNG · Midea · Kaysun · Hisense · MUNDOCLIMA · Carrier

03 Select the Radio or Cable **THERMOSTAT** model.

ZOE-RC
Radio Thermostat

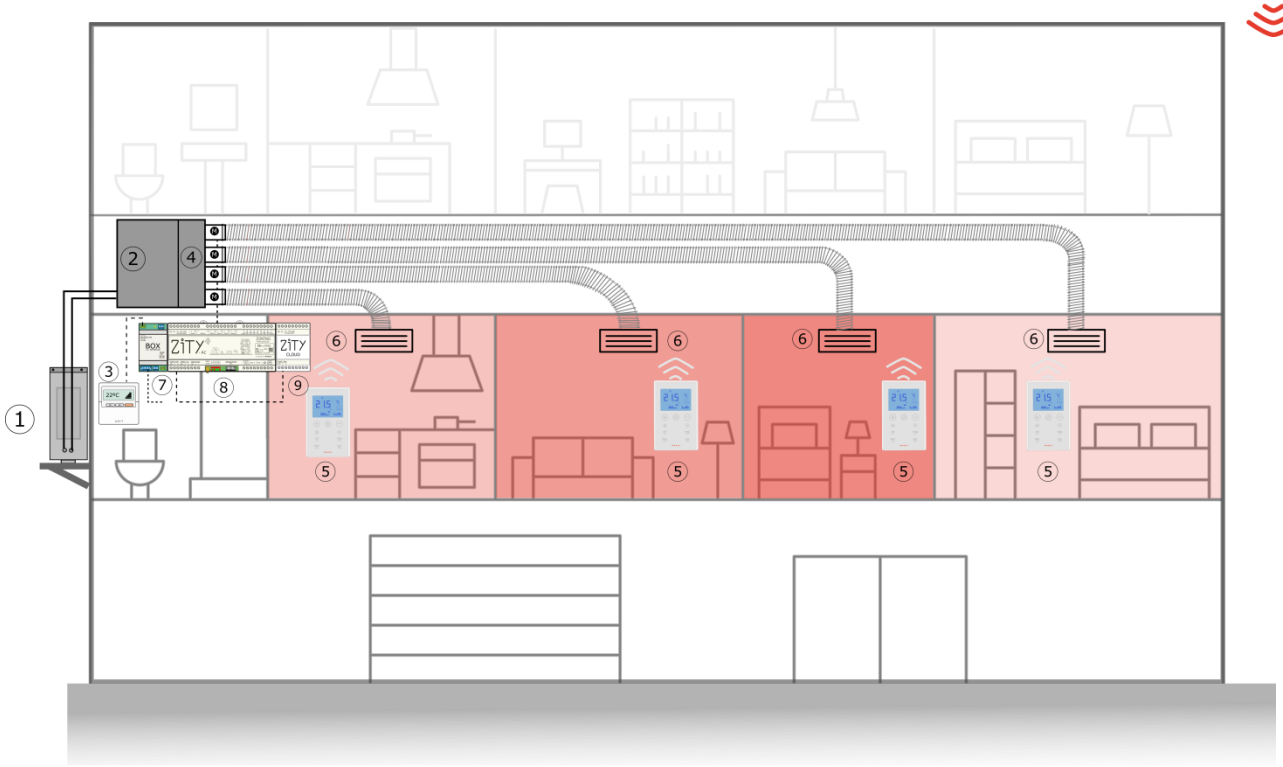
ZEBRA
Cable Thermostat

04 All the rest is included. CONTROL UNIT + MACHINE INTERFACE + overpressure damper. In addition, the equipment is supplied configured and cabled from factory.

05 Finally, select whether you wish to control the equipment through the remote control **INTERFACES** .

06 Now you have everything you need to enjoy a **Zmartbox** system.

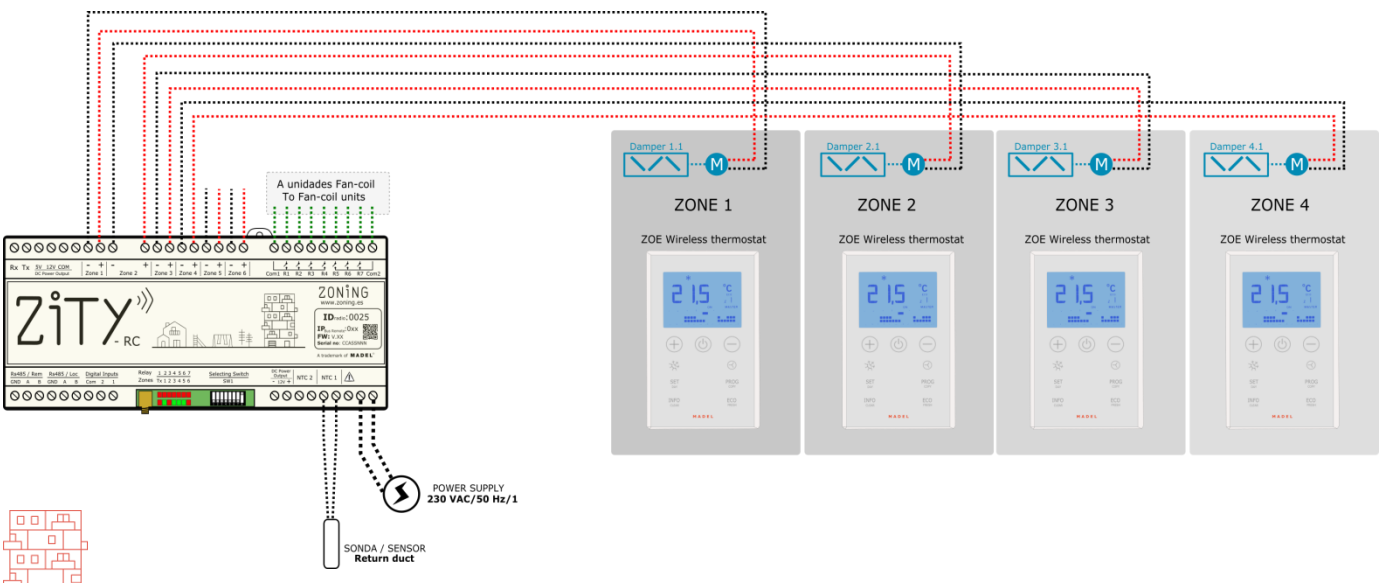
Apartment S2: Zmartbox

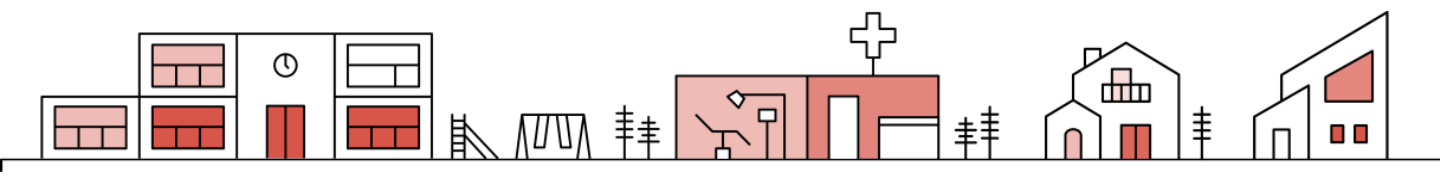


1	Exterior A/C	**6**	Supply grille
2	Exterior A/C	**7**	A/C Machine Communication Interface
3	A/C Unit Control	**8**	ZITY Central Control Unit
4	Zmartbox	**9**	WIFI Communication Interface
5	ZOE Wireless Zone Thermostat		

WIRING DIAGRAM

For standard 4-zone installation . Radio Thermostat





ZONiNG

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ZONiNG is a brand of MADEL