

MADEL®

we shape the air

VIA RADIO

K S S [EN]

Zoning System R/C allows for individualised temperature control of different zones using the same air conditioning equipment to provide **increased comfort** in each one.

KSS control panel works independently of the duct-type air conditioning system.

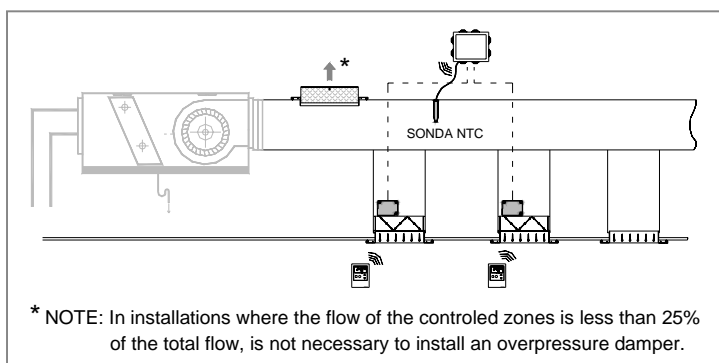
The control is carried out by means of digital thermostats linked by radio frequency to a control panel who operates the different motorised (24 Vdc) zone dampers. **R/C** Radio-controlled digital thermostats offer an **easy installation**: Neither thermostat wiring nor additional works are required.

Ecologically friendly: Zoning System R/C provides a rational use of energy, both from an economic and environmental point of view.

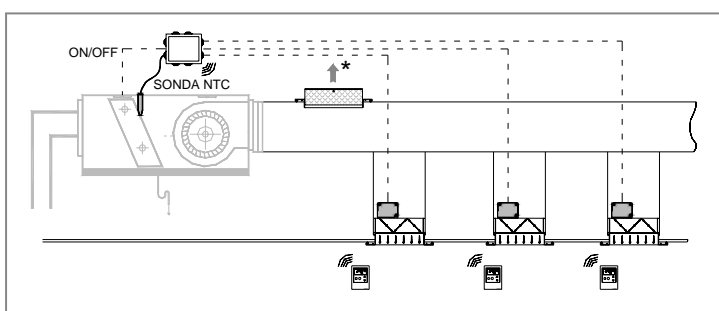
K S S

SUBZONE control, by radio, for duct-type installations

SUB-ZONE installation:



ZONING installation



KSS Zoning System allows to control up to 4 different zones temperatures with only 1 inner unit.. See enclosed drawing.

Applications

• **SUB-ZONE type installations:** The system only controls some zones of the installation, keeping other ones without regulation. The winter/summer changeover is automatically realized by a temperature sensor type NTC installed in the duct.

• **ZONING type installations:** The equipment is used to zonificate an installation up to 4 zones. The winter/summer changeover of the system is realized by the master thermostat of the system. A relay output allows to make an on/off control of the air conditioning equipment. The temperature sensor (NTC) must be installed in the indoor unit coil and works as a security sounder.

Technical characteristics

Control plate (receiver)

- Power 230 VAC \pm 10%, 50/60 Hz.
- Consumption: 10 VA.
- Outputs:
 - 1 switched relay free of tension 230 VAC x 10 A.
 - 4 outputs 24 VDC, for zones control.
- Outside fixing of the control box by means of screws.
- Protection level: IP 54
- Carrier frequency (ISM Band, acc. I-ETS 300-220 standard: 433.92 MHz) (Optional: 434.33 MHz)
- Average range: 20 m in the habitat.

Options (See the installer manual KSS)

El system is shaped by means of the *switch* SW1 to the control plate:

- Duct sounder or battery sounder.

Accessories (See valid price list to select these elements)

- Motorized dampers (24 VCC) ZP-AZ, adaptable to MADEL grilles.
- Motorized dampers (24 VCC) ZC adaptable to circular ducts.
- Motorized dampers (24 VCC) ZQ adaptable to rectangular ducts.
- Motorized plenums (24 VCC) PL...-ZR, adaptable to MADEL grilles and diffusers.
- Overpressure dampers fitting ZS.
- Sounder NTC. To install in the duct or in the inner unit of the battery.

Sizes (mm)

