

K C A wired basic zoning system



MADEL®

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

KCA control panel is compatible with any duct-type **direct expansion** air handling unit and can control from **1 to 6** different zones.

The control is carried out by means of digital thermostats linked by RS485 communication bus to a control panel that operates the different motorised (24 Vdc) zone dampers. Thermostats that work by 485 bus **minimize wiring** regarding to the conventional wired installations (only 2 wires among the thermostats).

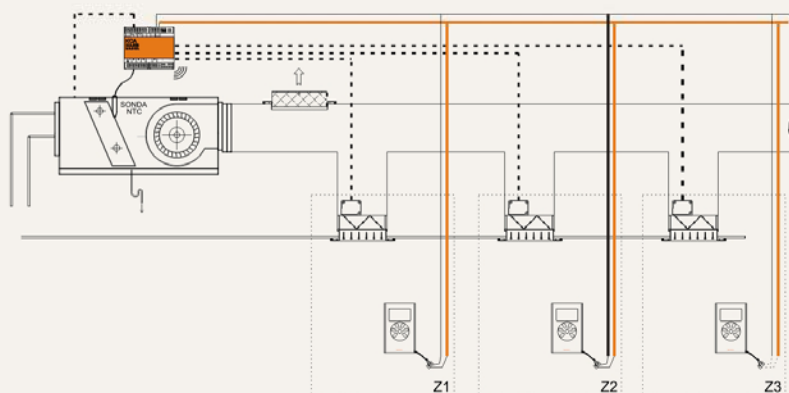
Ecologically friendly: Zoning System R/C provides a rational use of energy, both from an economic and environmental point of view.

KCA



Simplified zoning kit designed for independent temperature control in electronic direct-expansion ducted air conditioning equipment.

- ✱ Control over up to 6 independent zones.
- ✱ Air conditioning ON/OFF control. The air conditioner's original controller is to be retained.
- ✱ Summer/winter changeover in the conditioner's controller and in the master thermostat.
- ✱ Bus-controlled digital thermostats with timing in 30 minute intervals.



Technical specifications

Control board (receiver)

- Power supply 230 Vca \pm 10%, 50/60Hz
Consumption: 4 VA
- 1 potential-free output switching relay 230 Vca x 10 A, air conditioning control
- Six 24 Vcc outputs, for zone control
(maximum of 2 dampers per zone)
- Digital input for remote ON/OFF
- Optional return safety sensor NTC 10 K
- Protection class: IP 20
- Size 105 x 90 x 60 mm

Thermostats (emitter)

- Power supply 2 x 1.5 V LR06 AA
Average operating life 1 year (or longer)
- Temperature differential (\pm 0,5 °C)
- Protection class: IP 20
- Size 115 x 70 x 18 mm

Accessories

- Motorised damper (24 Vcc) ZP-AZ, for mounting on MADEL grilles
- Motorised damper (24 Vcc) ZC, for mounting on circular ducts
- Motorised damper (24 Vcc) ZQ, for mounting on rectangular ducts
- Motorised plenums (24 Vcc) PL...-ZR, for mounting on MADEL grilles and diffusers
- Adjustable overpressure dampers (ZS series)