



## K S P radio controlled 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.

**KSP** control panel is compatible with any duct-type **direct expansion** air conditioning system, and can control from **1 to 6** different zones.

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.

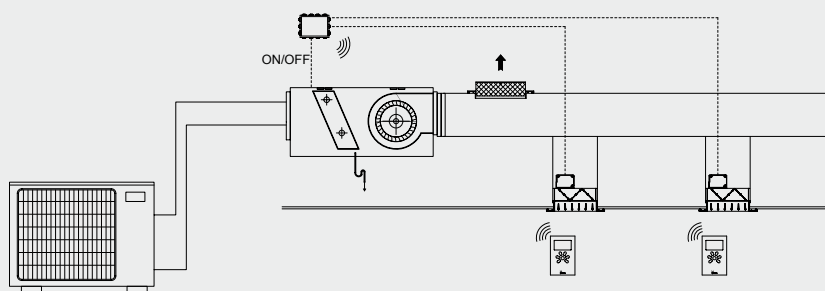
**Ecologically friendly**: Zoning System R/C provides a rational use of energy, both from an economic and environmental point of view.

# KSP



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.
- \* Radio-controlled digital thermostats with timing in 30 minute intervals.
- \* Coded radio-controlled transmission system (over 3000 combinations).



## Technical specifications

### Control board (receiver)

- Power supply 230 VAC  $\pm$  10%, 50/60 Hz
- Consumption: 4 VA
- 1 potential-free output switching relay 230 VAC x 10 A, air conditioning control
- Six 24 VDC outputs, for zone control (maximum of 2 dampers per zone)
- Digital input for remote ON/OFF
- 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
- Carrier frequency (ISM band, as per standard I-ETS 300-220): 433.92 MHz
- Average range: 50 m in free field, 20 m in enclosure
- Size 115 x 70 x 18 mm

### Accessories

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