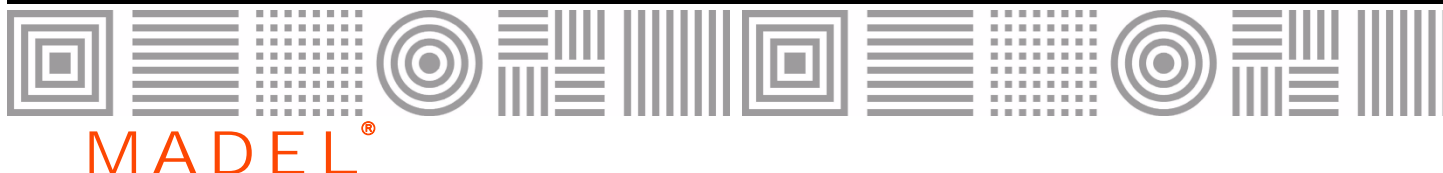




## KFC-PLUS hidronic radio controlled advanced zoning system



**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.

**KFC-PLUS** control panel is compatible with any **duct-type hidronic 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.

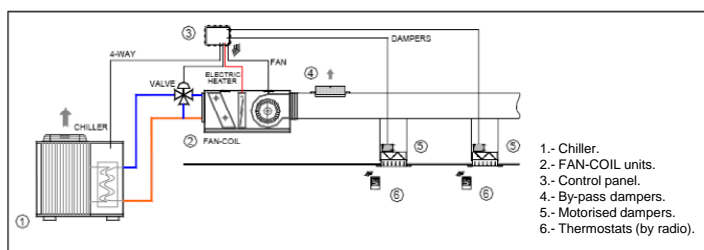
# KFC-PLUS



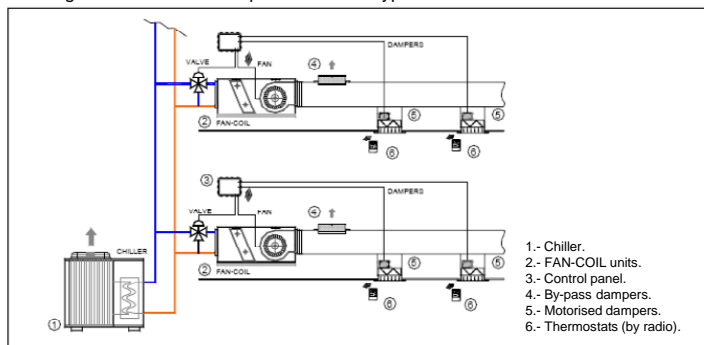
Modular zoning kit designed for independent temperature control in hidronic ducted air conditioning systems. The KFC-PLUS control panel can be used in multiple or individual installations.

- Control over up to 16 separate air conditioning zones.
- Module with MODBUS protocol for intelligent-building applications incorporated.
- Multiple or individual installations control.
- Control the fan speed based on the open areas (optional).
- Control of electric batteries support.
- Sensor detection mode (winter / summer). Enables Controlled Mechanical Ventilation (CMV) to be activated from the master thermostat.
- Radio-controlled digital master chrono-thermostat with week-to-week programming.
- Time-set radio-controlled zone thermostats (with timing in 30-minute intervals).
- Coded radio-controlled transmission system (over 3000 combinations).

Drawing 1.- KFC-PLUS. Individual HIDRONIC type installation



Drawing 2.- KFC-PLUS. Multiple HIDRONIC type installation



## Technical specifications

### Control board (receiver)

Power supply 230 VAC  $\pm 10\%$ , 50/60 Hz.  
Consumption: 10 VA.  
6 outputs potential-free relays 230 VAC x 10 A for controlling the air conditioning equipment.  
Sixteen 24 VDC outputs, for zone control.  
Digital input for remote ON/OFF.  
Protection class: IP 20.  
Safety sensor NTC 10 K water discharge.  
Size 160 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 ( $\pm 0.5^\circ\text{C}$ ).  
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 (chrono).  
130 x 80 x 19 mm (touch).

### Accessories

Motorised damper (24 VDC) ZP-AZ, for mounting in MADEL grilles.  
Motorised damper (24 VDC) ZC for mounting on circular ducts.  
Motorised damper (24 VDC) ZQ for mounting on rectangular ducts.  
Adjustable by-pass dampers (ZS series).