

ECOCLIM

is the new

FR (radio frequency with optional Internet connection for remote monitoring, controlling and diagnostic) version of the successfully climate zone control system distributed in several Europeans and other countries for the last few years.

ECOCLIM

Radio Frequency Zone Control System

Short description

The RF Zone control system brings high energy saving and comfort environment for the users.

The system technology makes the installation easier then ever and reduces the installation and start up time.

Basic controller enables up to 5 zones control, with modular extensions up to 20 zones.

Different sizes of air dampers and electronic By –Pass.
Direct connection operates the air condition units.

Latest technology Touch screen wall mount and handheld remote control thermostat enables easy and reliable system operation to the user.

Controller and power supply in DIN rail housing, quick connect cables, easy to mount RF transceiver/hub.
Optional Internet connection for remote monitoring, controlling and diagnostic.





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What are the advantages?

What are the advantages for the end user?

Easy to program and operate by using large touch screen panel.

Allows the efficient operation which reduces energy cost.

Modern design and clean installation on the house walls.

No wires and cables connection to the wall thermostat and to the handheld remote units.

Optional Internet connection for remote monitoring, controlling and diagnostic.

What are the advantages for the end installer?

Fast and easy installation.

Reduce the installation time at the field.

No wires and cables connection to the wall thermostat and to the handheld remote units.

Diagnostic for each element of the system.

Evidence for claimed quality: Certification?

CE

Test done according to:

IEC 60730-1 Safety and EMC.

Technical information

Description

The basic system operates 5 zones and with modular extensions up to 20 zones.

The connection to the thermostat and handheld remote control are done via RF – Radio frequency signals

The new thermostat has big touch screen and nice blue color back light.

Both the controller and power supply are in DIN rail housing.

Direct connection to operate the air condition units.

Different sizes of air dampers.

Electronic By –Pass.



Optional Internet connection for remote monitoring, controlling and diagnostic.

Performance

Controls individual temperature request of each room.

Lower cost of operation due to energy saving.

Comfortable environment.

Easy to maintain and diagnose.

- Drive and get information from the thermostats and handheld remote terminals via RF signals.
- Drive the damper motors.
- Drive the By-pass motor.
- Drive the air condition controller for ON and Off operation and Cool – Heat – Vent. modes via relays or via communication.
- Indication of system status on front and remote panel.

DETAILS:

The system is based on few elements.

- Main controller unit.
- Power supply unit.
- Transceiver unit.
- Hub unit.
- Thermostat – Touch screen with back light, 4 programs a day 7 days programmable.
- Motors operation – 12 Volts DC 0.2 Amps.
- ICG Internet connection interface.
- Main Power line 230 volts (+/- 15%); 50-60 Hz.
- Power consumption - 15 VA.
- Operation temperature range: -20°C to +70°C
- Storage temperature range: -30°C to +85°C
- Relative humidity: 90% Non-condensate.
- Frequency band is either 868 MHz.
- The enclosure is a plastic box in DIN real standard.