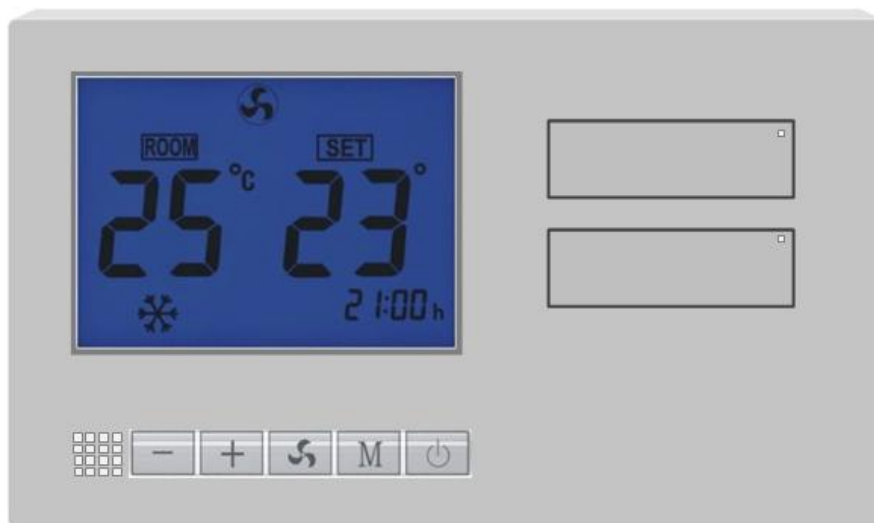


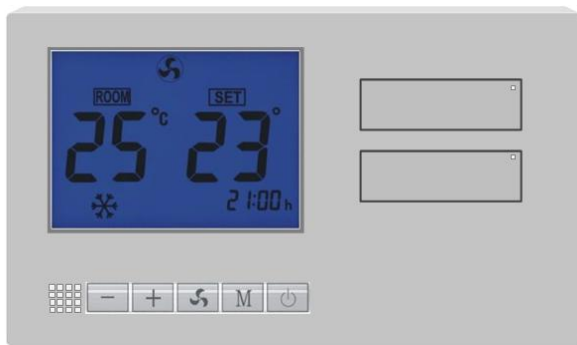
Smart HVAC - ECOclimate



www.ekonhome.com

Simply Smart

ECOclimate – Thermostat





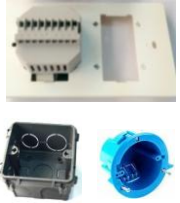

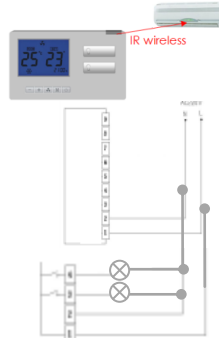



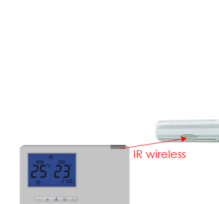
Control Fan Coil or Central Air Condition combined with 2 Loads Light Switch.

Add Optional wireless motion sensor to automatically power off lights and AirCon when room is left empty, to save energy.

Fan Coil Control








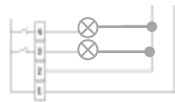

	<p>Fan Coil Thermostat</p> <ul style="list-style-type: none"> ▪ 3 Fan Speed Levels ▪ 2 or 4 pump Selection ▪ Option if Fan continues to work after reaching set point or stop ▪ Optional IR remote control ▪ Optional Timer Add-On 	<p>Standard Wiring for fan coil</p>	<p>Fit European Wall Box</p>
	<p>Fan Coil Thermostat & Light Switch Combo</p> <ul style="list-style-type: none"> ▪ 2 Load of 10Amp Light Switch ▪ 3 Fan Speed Levels ▪ 2 or 4 pump Selection ▪ Option if Fan continues to work after reaching set point or stop ▪ Optional IR remote control ▪ Optional Timer Add-On 	<p>Standard Wiring FanCoil and Light</p>	<p>Fit EU Double Wall Box</p>
	<p><u>Wireless Add-On for Fan Coil</u> (work with any of the IR Thermostats)</p> <ul style="list-style-type: none"> ▪ Eliminate wires between Fan Coil unit to Thermostat to save installation cost ▪ Used in retrofit ▪ 3 Fan Speed Levels ▪ 2 or 4 pump Selection 	<p>Standard Wiring Fan Coil</p>	<p>wall mount</p>

Central AirCon Control

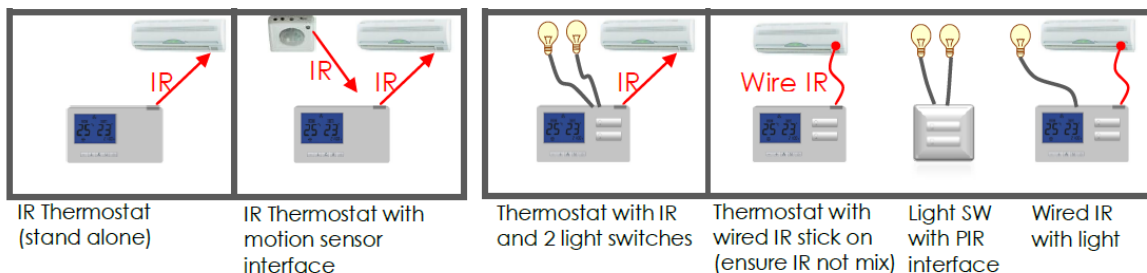
	<p>Central AirCon Thermostat</p> <ul style="list-style-type: none"> ▪ Control Central AirCon via Infrared (IR need eye contact) ▪ More accurate temperature control ▪ 3 Fan Speed Levels ▪ Optional Timer Add-On 	 <p>Standard Wiring Only Power</p>	 <p>Fit European Wall Box</p>
	<p>Central AirCon Thermostat & Light Switch Combo</p> <ul style="list-style-type: none"> ▪ 2 Load of 10Amp Light Switch ▪ Control Central AirCon via Infrared (IR need eye contact) ▪ More accurate temperature control ▪ 3 Fan Speed Levels ▪ Optional Timer Add-On 	 <p>Standard Wiring Power and Light</p>	 <p>Fit EU Double Wall Box</p>
  <p>12V Battery</p>	<p>Central AirCon Thermostat (battery operated)</p> <ul style="list-style-type: none"> ▪ Control Central AirCon via Infrared (IR need eye contact) ▪ More accurate temperature control ▪ 3 Fan Speed Levels ▪ Optional Timer Add-On 	 <p>No Wires</p>	<p>Fix on the Wall surface</p>

Note: IR thermostats required to be pre matched with each AirCon brand and model

Accessories

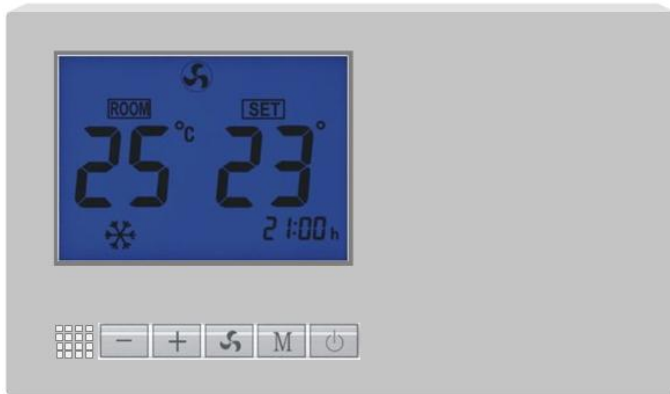
	<p><u>Wireless Motion Sensor</u> (Work with all thermostats as option) Save Energy by Automatically and Wirelessly Power off Air-Condition, Heater and Lights when room is left empty</p>	 <p>Add 2 AAA cells</p>	 <p>Stick to ceiling</p>
 <p>Android AirCon Control Totally Wireless (no installation) Free Application</p>	<p><u>Remote Access by Android Application</u> (Work with all thermostats as option) Control Air Condition and Water Heater from anywhere by Android App or by SMS</p>	 <p>Add SIM Card</p>	 <p>Eye contact with thermostat</p>
	<p>Light Switch</p> <ul style="list-style-type: none"> 2 Load of 10Amp Light Switch Can add optional wireless motion sensor to power off lights when room left empty 	 <p>Standard Wiring Light switch</p>	 <p>Fit European Wall Box</p>

Products Layout



Specification

Fan Coil Thermostat



Modbus 2 or 4 pumps

EKON's Fan Coil Thermostat can be connected to HVAC system via RS485 to be able to control it with Modbus protocol.

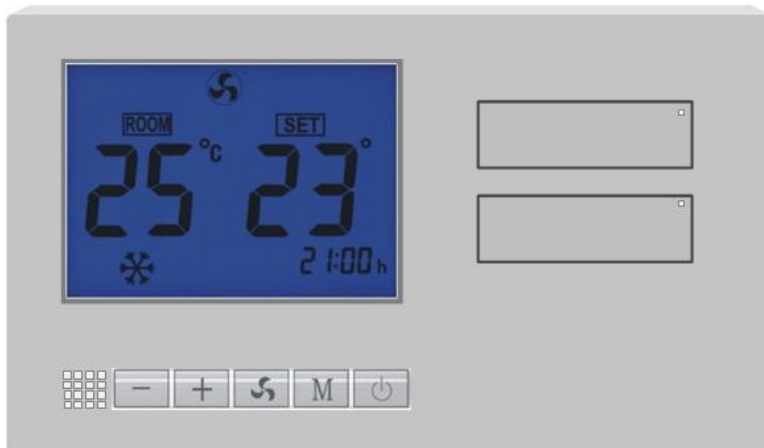
Features:

- Fan Coils Thermostat
- Modbus Protocol – Connect RS485 directly
- Option of 2 or 4 pipes
- 3 Fan speed levels and Auto Mode
- Heat / Cooling and Auto Mode
- LCD display
- Optional to add Programmable Timer
- Optional to add Remote Control
- Optional to add Motion Sensor
- CE Certificate

Thermostat Specification:

- Power Supply options: 220VAC +/-10%, 50/60Hz
110 VAC, +/-10%, 50/60Hz
24VAC
- Backlight Color: Blue or Green or White
- Power Consumption: 3(1)A
- Protection: 3 minutes delay for compressor
- Temperature Sensor: Internal
- Set Point Range: 10 to 30 degrees Celsius
- Accuracy: +/- 1 degree C
- Ambient: 0~50C
- Protection Class: IP30
- Relative Humidity: 95%RH
- Plastic Casing: ABS +PC fire- resistant plastic
- Size: 150x86mm. 50mm deep

Thermostat & Light Switch



Up to 30% Energy Savings

EKON's Fan Coil Thermostat and Light Switch combo is the latest design to reduce the amount of devices on the wall in homes and offices making the walls look more slick.

Features:

- Fan Coils Thermostat
- Modbus Protocol – Connect RS485 directly
- Option of 2 or 4 pipes
- 3 Fan speed levels and Auto Mode
- Heat / Cooling and Auto Mode
- LCD display
- Optional to add Programmable Timer
- Optional to add Remote Control
- Optional to add Motion Sensor
- One Load Light Switch
- CE Certificate

Thermostat and Light Specification:

- Power Supply options: 220VAC +/-10%, 50/60Hz, 110 VAC, +/-10%, 50/60Hz, 24VAC
- Backlight Color: Blue or Green or White
- Power Consumption: 3(1)A
- Light Load: Max. 16Amp
- Protection: 3 minutes delay for compressor
- Temperature Sensor: Internal
- Set Point Range: 10 to 30 degrees Celsius
- Accuracy: +/- 1 degree C
- Ambient: 0~50C
- Plastic Casing: ABS +PC fire- resistant plastic
- Size: 150x86mm. 50mm deep

Wireless Thermostat for Central Aircon & Light Switch



EKON's Fan Coil Thermostat and Light Switch combo is the latest design to reduce the amount of devices on the wall in homes and offices making the walls look more slick.

The thermostat will communicate with most central air conditions via Infra red.

Features:

- Central Aircon Thermostat
- Optional Modbus Protocol – Connect RS485 directly
- Add Modbus to the Central AirCon
- Option of 2 or 4 pipes
- 3 Fan speed levels and Auto Mode
- Heat / Cooling and Auto Mode
- LCD display
- Optional to add Programmable Timer
- Optional to add Remote Control
- Optional to add Motion Sensor
- One Load Light Switch
- CE Certificate

Thermostat and Light Specification:

Power Supply options: 220VAC +/-10%, 50/60Hz

110 VAC, +/-10%, 50/60Hz
24VAC

Backlight Color: Blue or Green or White

Power Consumption: 3(1)A

Light Load: Max. 16Amp

Protection: 3 minutes delay for compressor

Temperature Sensor: Internal

Set Point Range: 10 to 30 degrees Celsius

Accuracy: +/- 1 degree C

Ambient: 0~50C

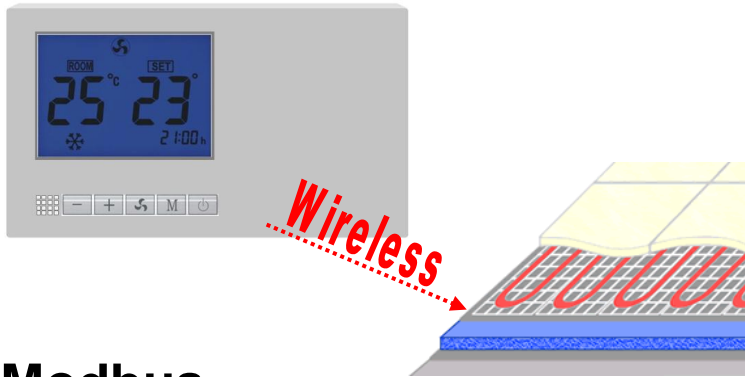
Protection Class: IP30

Relative Humidity: 95%RH

Plastic Casing: ABS +PC fire- resistant plastic

Size: 150x86mm. 50mm deep

Floor Heating Thermostat



Modbus

EKON's Wireless Thermostat for Floor Heating can be connected to HVAC system via RS485 to be able to control it with Modbus protocol.

Features:

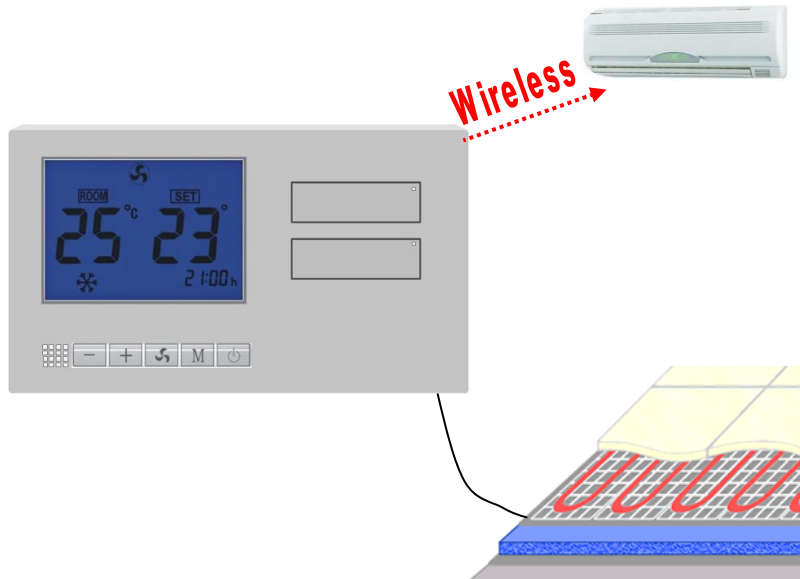
- Heating Thermostat
- Modbus Protocol – Connect RS485 directly
- Option of 2 or 4 pipes
- LCD display
- Optional to add Programmable Timer
- Optional to add Remote Control
- Optional to add Motion Sensor
- CE Certificate

Thermostat Specification:

Power Supply options: 220VAC +/-10%, 50/60Hz
110 VAC, +/-10%, 50/60Hz
24VAC

Backlight Color: Blue or Green or White
Power Consumption: 3(1)A
Protection: 3 minutes delay for compressor
Temperature Sensor: Internal
Set Point Range: 10 to 30 degrees Celsius
Accuracy: +/- 1 degree C
Ambient: 0~50C
Protection Class: IP30
Relative Humidity: 95%RH
Plastic Casing: ABS +PC fire- resistant plastic
Size: 150x86mm. 50mm deep

Floor Heating & AirCon Thermostat (Hybrid)



EKON's Thermostat for Floor Heating and Central AirCon control both systems from the same thermostat to reduce the switches on the wall.

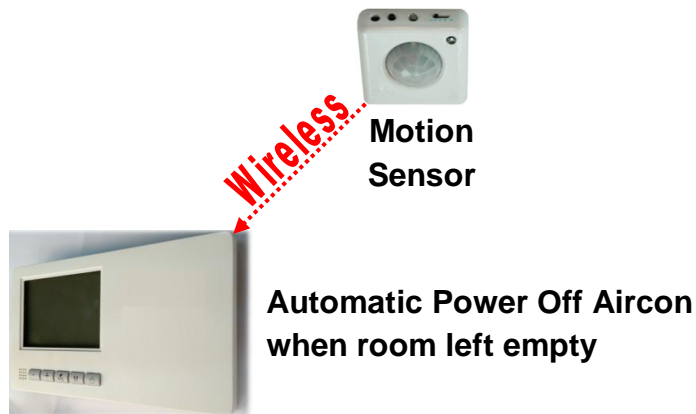
Features:

AirCon and Heating Thermostat
LCD display
Optional to add Programmable Timer
Optional to add Remote Control
Optional to add Motion Sensor
CE Certificate

Thermostat Specification:

Power Supply options: 220VAC +/-10%, 50/60Hz, 110 VAC, +/-10%, 50/60Hz, 24VAC
Backlight Color: Blue or Green or White
Power Consumption: 3(1)A
Protection: 3 minutes delay for compressor
Temperature Sensor: Internal
Set Point Range: 10 to 30 degrees Celsius
Accuracy: +/- 1 degree C
Ambient: 0~50C
Plastic Casing: ABS +PC fire- resistant plastic

Energy Save Thermostat



EKON's Room Thermostat Automatically powered off when room is left empty for a period of 15, 30 or 60 minutes (as setup by user) to save energy.

Since air condition is the most power consumable device in the house / office so the total savings will be relatively large.

Features:

- Compatible with Fan Coils
- Option of 2 or 4 pipes
- 3 Fan speed levels and Auto Mode
- Heat / Cooling and Auto Mode
- LCD display
- Optional to add Programmable Timer
- Optional to add Remote Control
- Motion Sensor communicate by IR with thermostat
- CE Certificate

Thermostat Specification:

- Power Supply options: 220VAC +/-10%, 50/60Hz
110 VAC, +/-10%, 50/60Hz
24VAC
- Backlight Color: Blue or Green or White
- Power Consumption: 3(1)A
- Protection: 3 minutes delay for compressor
- Temperature Sensor: Internal
- Set Point Range: 10 to 30 degrees Celsius

Accuracy: +/- 1 degree C

Ambient: 0~50C

Protection Class: IP30

Relative Humidity: 95%RH

Plastic Casing: ABS +PC fire- resistant plastic

Size: 150x86mm. 50mm deep

Motion Sensor Specification:

Power Supply Option: 3VDC with 2 AAA batteries
220VAC

Infrared range: Max 6 meters (line of sight)

Detecting range: <6M at 360 degrees

PIR transmitting range: <6M

IR transmitting direction: one in front and one on side

Mounting: optional Ceiling or Wall with screws or sticker

Not suitable for room with moving objects (pets, curtains in wind, etc.)

Size: 60x60x15mm

Indoor use only

Energy Save Light Switch & AirCon



EKON's Room Thermostat and Light Switch are Automatically powered off when room is left empty for a period of 15, 30 or 60 minutes (as setup by user) to save energy.

Since air condition is the most power consumable device in the house / office so the total savings will be relatively large.

Features:

Compatible with Fan Coils

Option of 2 or 4 pipes

3 Fan speed levels and Auto Mode

Heat / Cooling and Auto Mode

LCD display

Optional to add Programmable Timer

Optional to add Remote Control

Motion Sensor communicate by IR with thermostat

CE Certificate

Thermostat and Light Specification:

Power Supply options: 220VAC +/-10%, 50/60Hz
110 VAC, +/-10%, 50/60Hz
24VAC

Backlight Color: Blue or Green or White

Thermostat Power Consumption: 3(1)A

Light Load: Max. 16Amp

Protection: 3 minutes delay for compressor

Temperature Sensor: Internal

Set Point Range: 10 to 30 degrees Celsius

Accuracy: +/- 1 degree C

Ambient: 0~50C

Protection Class: IP30

Relative Humidity: 95%RH

Plastic Casing: ABS +PC fire- resistant plastic

Size: 150x86mm. 50mm deep

Motion Sensor Specification:

Power Supply Option: 3VDC with 2 AAA batteries
220VAC

Infrared range: Max 6 meters (line of sight)

Detecting range: <6M at 360 degrees

PIR transmitting range: <6M

IR transmitting direction: one in front and one on side

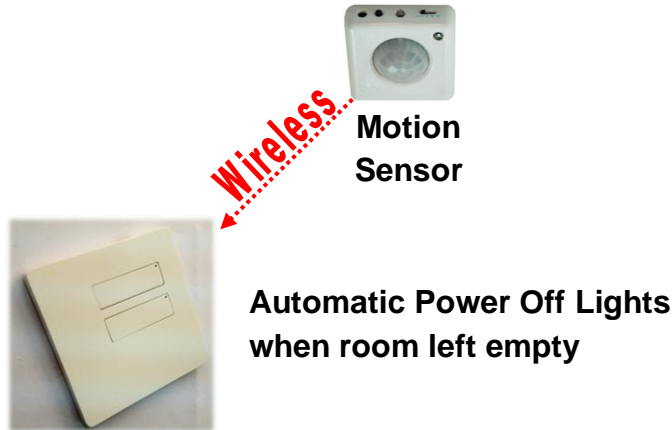
Mounting: optional Ceiling or Wall with screws or sticker

Not suitable for room with moving objects (pets, curtains in wind, etc.)

Size: 60x60x15mm

Indoor use only

Energy Save Light Switch



EKON's Light Switch Automatically powered off when room is left empty for a period of 15, 30 or 60 minutes (as setup by user) to save energy.

Features:

Control One Load of 16 Amp

Optional to control light with most Remote Control (TV, DVD, etc.)

Motion Sensor communicate by IR with Light Switch

CE Certificate

Thermostat Specification:

Power Supply : 220VAC +/-10%, 50/60Hz

Max Load: 16A

Size: 86x86mm. 50mm deep

Motion Sensor Specification:

Power Supply Option: 3VDC with 2 AAA batteries
220VAC

Infrared range: Max 6 meters (line of sight)

Detecting range: <6M at 360 degrees

PIR transmitting range: <6M

IR transmitting direction: one in front and one on side

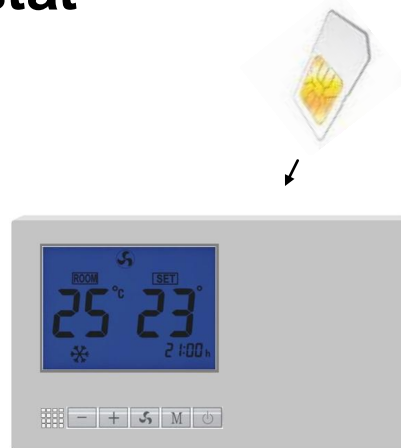
Mounting: optional Ceiling or Wall with screws or sticker

Not suitable for room with moving objects (pets, curtains in wind, etc.)

Size: 60x60x15mm

Indoor use only

GSM Thermostat



Control by Android / iPhone

EKON's Fan Coil Thermostat can be controlled by Android or iPhone application from anywhere in the world

Features:

- Fan Coils Thermostat
- Require SIM Card
- 3 Fan speed levels and Auto Mode
- Heat / Cooling and Auto Mode
- LCD display
- Optional to add Programmable Timer
- Optional to add Remote Control
- Optional to add Motion Sensor
- CE Certificate

Thermostat Specification:

- Power Supply options: 220VAC +/-10%, 50/60Hz, 110 VAC, +/-10%, 50/60Hz, 24VAC
- Backlight Color: Blue or Green or White
- Power Consumption: 3(1)A
- Protection: 3 minutes delay for compressor
- Temperature Sensor: Internal
- Set Point Range: 10 to 30 degrees Celsius
- Accuracy: +/- 1 degree C
- Ambient: 0~50C
- Size: 150x86mm. 50mm deep

Smart Floor Heating



Control by Android / iPhone

EKON's Floor Heating Thermostat can be controlled by Android or iPhone application from anywhere in the world

Features:

- Floor Heating Thermostat
- Require SIM Card
- LCD display
- Optional to add Programmable Timer
- Optional to add Remote Control
- Optional to add Motion Sensor
- CE Certificate

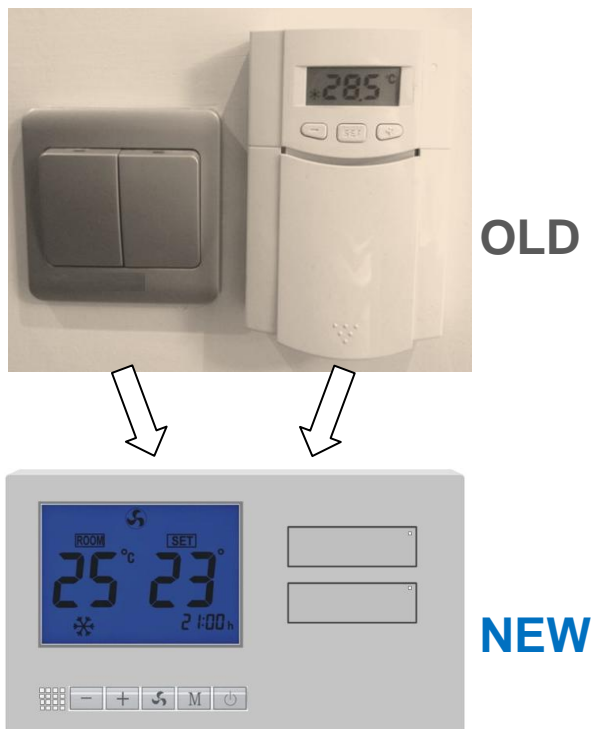
Thermostat Specification:

- Power Supply options: 220VAC +/-10%, 50/60Hz, 110 VAC, +/-10%, 50/60Hz, 24VAC
- Backlight Color: Blue or Green or White
- Power Consumption: 3(1)A
- Temperature Sensor: Internal
- Set Point Range: 10 to 30 degrees Celsius
- Accuracy: +/- 1 degree C
- Plastic Casing: ABS +PC fire-resistant plastic
- Size: 150x86mm. 50mm deep

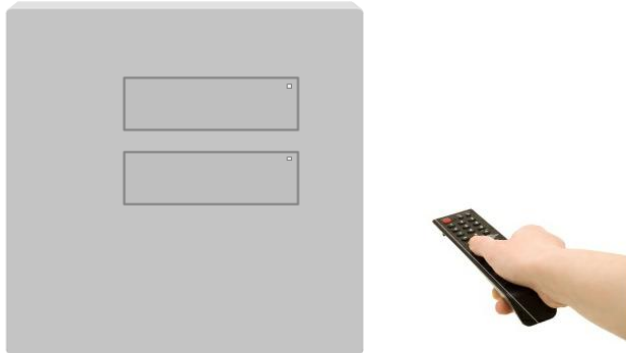
Control Gate by Android /iPhone App.



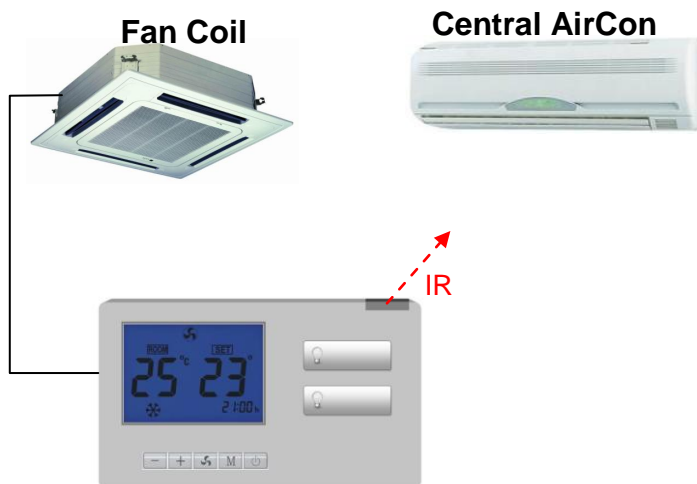
Change OLD design with New



Remote Control Light Switch



Compatible with Fan Coils and Most Central AirCon brands



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All products and specifications in the catalog are subject to change without any prior notice.

