

ECOLink User Manual

About ECOLink

Congratulations on purchasing the ECOLink energy saver. With its elegant look and energy save feature you can now lower your electric cost and by doing so help saving the environment.

What is ECOLink

ECOLink Power On or Off Air-Condition \ Heater & others electric device by sending SMS message or by calling and press dial tones

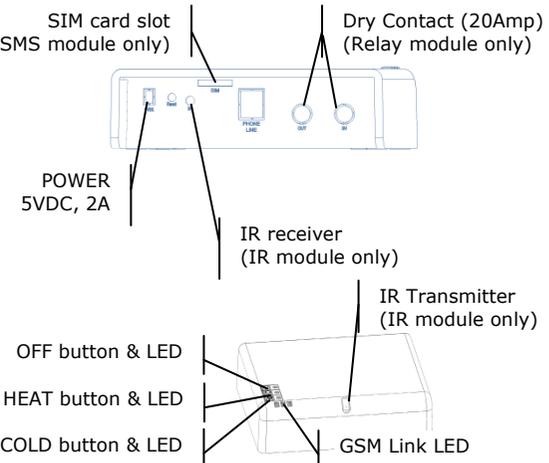
Key Features of ECOsense

- ☑ Cut Electricity bills by up to 10%
- ☑ Remotely Turns On or Off Heating \ Air-Condition by SMS from anywhere in the world
- ☑ DIY - No need wires or complex installation
- ☑ Effective solution for Green Environment
- ☑ Low-Cost device with High-Savings

Specification

- ☑ Voltage: 5VDC (3 Amp)
- ☑ Size: 135 x 100 x 38 mm
- ☑ IR transmitting range: <6M
- ☑ Working frequency bands: Dual band EGSM900/GSM1800
- ☑ IR transmitting direction: one in front
- ☑ IR learning code: 3 IR commands of most devices (stored in Flash memory – also if no power)
- ☑ Mounting: optional Table or Wall mount
- ☑ Indoor use only, 5 to 40°C, up to 85% relative humidity
- ☑ Box include ECOLink device, Power Supply

ECOLink

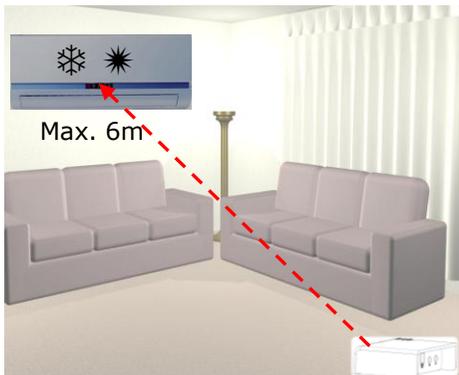


1. Mounting

ECOLink should be installed in the same room where the IR device (air condition, Heater, etc.) is located with direct eye contact between the IR transmitter (of ECOLink) and the IR receiver.

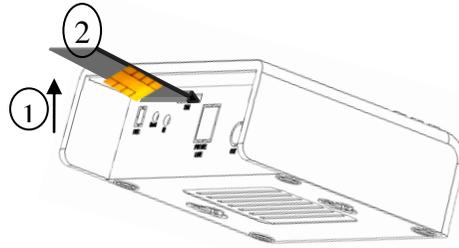
The maximum distance between ECOLink and the IR device is 6 meters. It is recommended to ensure the IR transmitter is faced towards the IR device.

Note: Do not place close to direct sunlight



2. SIM Card insert

Insert SIM card as follows (from Top → Down):



Note: Ensure the Metal SIM card contact is facing down

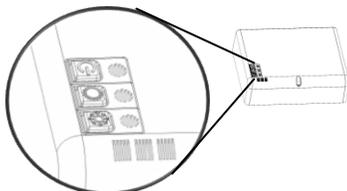
3. Power Supply

Plug the provided power supply

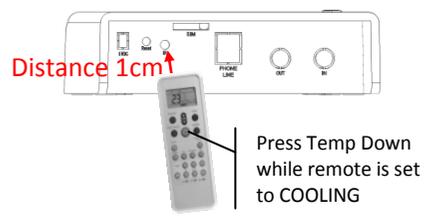


4. IR command setup (IR module only)

A. Press on COLD button for 7 sec without relaxing, till LED light turns on (enter setup mode).



B. Send COLD command from AirCon's remote to IR receiver of ECOLink by pressing the Temp Down while remote show COOLING settings.



LED light will turn Off if IR received successfully; or it will flicker 5 times if failed (so need to repeat)

C. Repeat step A and B for HEATING command
D. Repeat step A and B for OFF command

Note 1: If no command is send within 10 seconds it will exit setup mode.

Note 2: Pressing setup button 10 seconds will erase IR commands

Notes about IR learning

Most air-condition have the same button for Power On and Power Off but in fact they send different commands. In that case, turn the AirCon ON (so the LCD displays the temperature) and then press the power button again facing the ECOLink – this is the OFF command

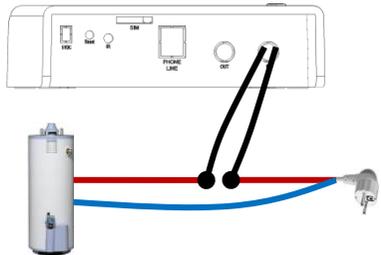
In case the AirCon or other devices have the same command for on and off then ECOLink cannot be used on this device.

Testing IR commands (manual operation)

Press any of the 3 buttons once will transmit the learned IR command (the LED light will flicker once)

5. Power Control (relay module only)

ECOLink have 2 dry contacts of maximum 20 Amp each at 230VAV. This can be connected to plug and device as follow:



6. Operation SMS Control

Send SMS messages to the phone number of the SIM card as follows:

- To turn on COLD (IR or Relay 1) send SMS with the letters **COLD**
- To turn on HOT (IR or Relay 2) send SMS with the letters **HOT**
- To turn OFF (IR or both Relays) send SMS with the letters **OFF**

To receive SMS status back - send the same commands with the + sign as follows:

COLD+ HOT+ OFF+

you should then receive SMS back. (Notice that this will charge the SIM card)

Note: in some countries the SMS status back is disabled by the cellular providers.

7. Freeze Sensor setup (optional)

To add a phone number to send SMS to, please send SMS to the ECOLink as follows: **PHONE01234567890** (01234567890 is the phone number). ECOLink automatically send **FREEZE** SMS to the programmed number when temperature goes below 2 degrees. It will then send another SMS **UNFREEZE** when temperature goes above 5 degrees

Troubleshoot

Problem: SMS messages not received
Solution:
*Ensure SIM card is valid and charged
*Ensure SIM card is inserted correctly (LED light link should be off)
*Ensure ECOLink is in reception area

Problem: IR cannot learn
Solution: try learning from 1-5 cm distance

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