

Manage

Saving-energy

Cloud

Saving-money



High energy-saving rate save million dollars

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Our innovation and progress never stop



COMPANY INFO

Energy Saving and Carbon Reduction are Our Points of View

We form two companies to provide better service for clients. ECO SMART specialises in saving-energy product development. Green Taiwan specialises in energy management services for clients.

Our co-workers have ten years experiences of energy technology. Developing more convenient and efficient saving-energy products are our purposes. From system design to Engineering construction we strive to provide clients more trusty and convenient Electrical environment.



SAVING ENERGY



AWARDS

Everyone's praise

- 2011 INST - Bronze Medal Award
- 2012 INST - Bronze Medal Award
- 2014 INST - Gold Medal Award
- 2014 EPIF - International Green Classics Award
- 2015 INST - Bronze Medal Award



ECO-5 Power Monitor

ECO-5 can monitor 10 areas of power state. ECO-5 has built-in 4 kinds of predictive demand, 10 relays could be remote controlled and data upload. Give you easily developing saving-energy plans.

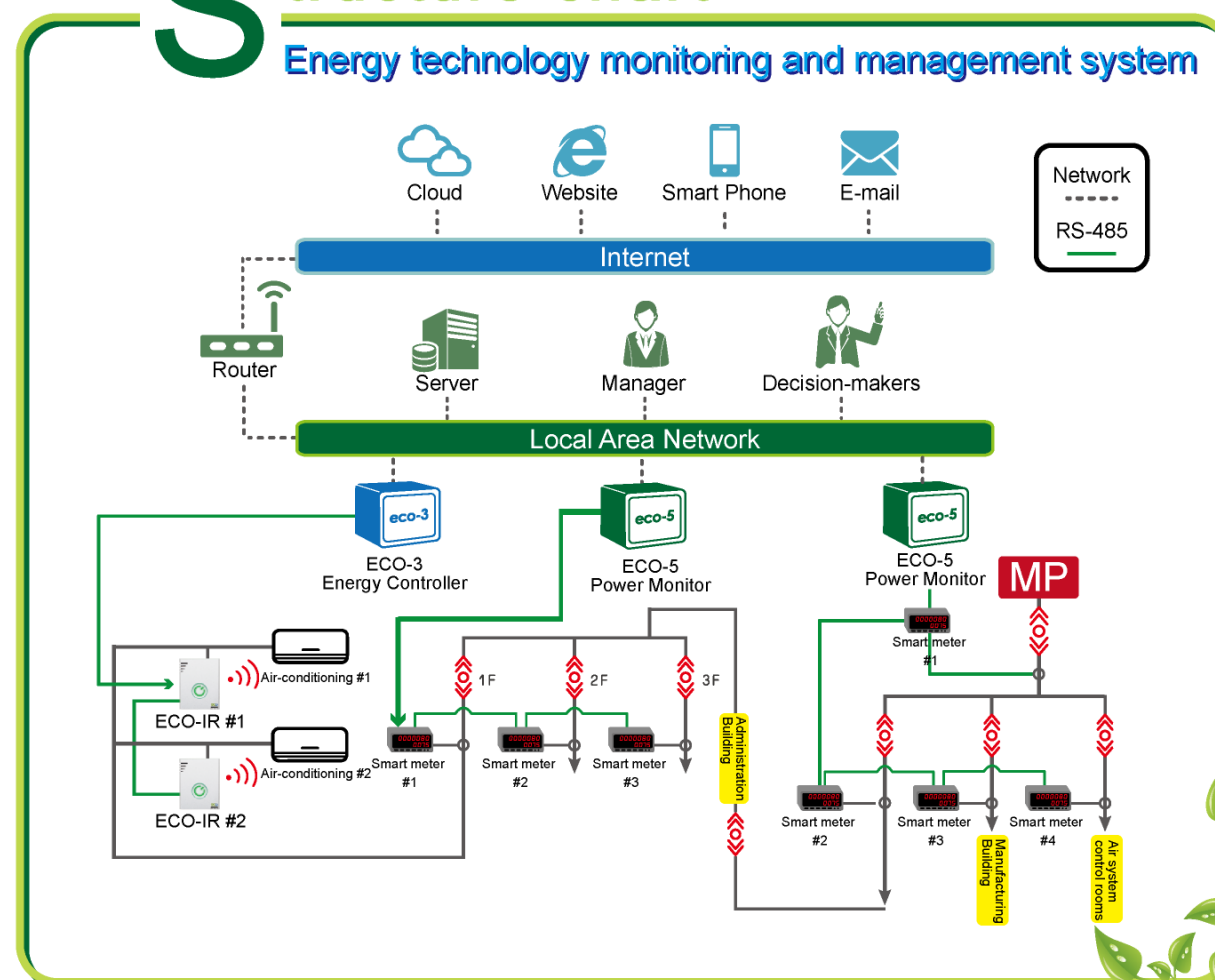


ECO-IR Air-conditioning saving module

Cycle Suspend can effectively save electricity 16.7% by practical testing. Easy to manage the air-conditioning in the offices, hospitals and schools

Structure chart

Energy technology monitoring and management system



Easy to save air-conditioning electricity

ECO-IR Air-conditioning saving module



Cycle Suspend:

By ECO-IR, multiple air-conditioners was forced to take turns running in non-cooling mode (fan only) in a short time. Cycle suspend can reduce the energy consumption and keep the environmental comfort.

High compatibility

ECO-IR can copy air-conditioning infrared code.

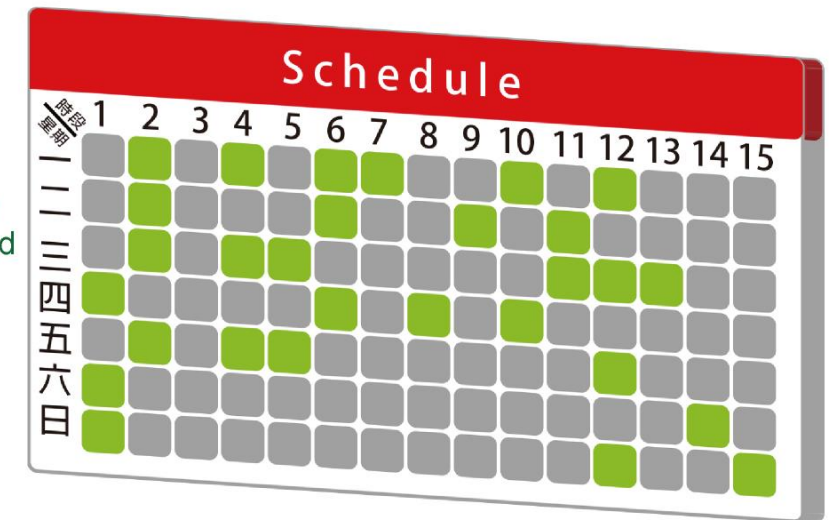


▲ Remote controller



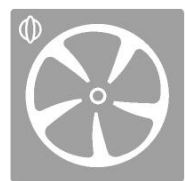
▲ ECO-IR

ECO-IR can turn air-conditioning power on/off by the weekly schedule with 16 period. User can set deactivated dates and ECO-IR won't operate in specific days.



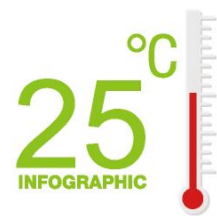
Comfortable environment

ECO-IR has external temp. sensor, humidity sensor and current measurement. Give clients the efficient saving-energy and comfortable environment.



Central air conditioning

ECO-IR can control Central air conditioning by DO relay output.



Intelligent temp. controlling

ECO-IR can specify the temperature range and automatically control A/C by temperature.



Three kinds of comm.

Wired : RS-485
Wireless : ZigBee and Wi-Fi

Specification

Dimensions	116mm x 75mm x 30mm ±1mm	Current Measurement	0~15A Split-Core CT(Optional)
Communication Protocol	Modbus-RTU	DI Input	2 point Digital input
Communication Interface	RS-485 / ZigBee(Optional) / WiFi(Optional)	DO Output	2 point relay output (Max. current : 2A)
Temperature Measurement	-10°C ~54°C (External thermistor)	Power Dissipation	<2W
Humidity Measurement	30~90%RH(Optional)	Operating Power	96~240VAC

Managing and controlling ECO-IR

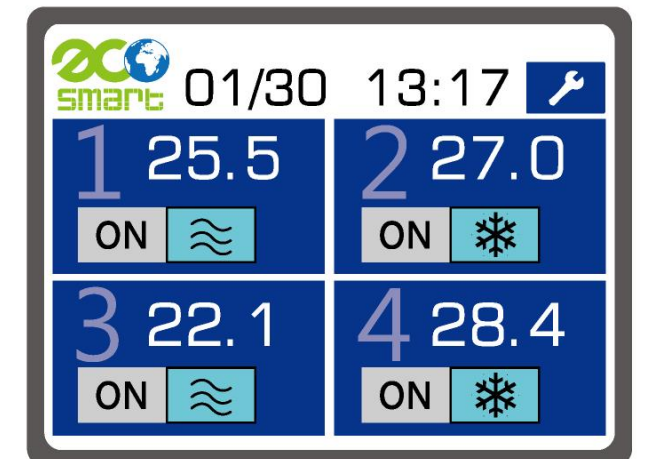
ECO-3 Mini Energy Controller

ECO-IR's Manager

ECO-3 Mini can control 4 sets of ECO-IR. Clients can manage multiple air-conditioners. ECO-3 also has connecting 8 and 30 sets of IR versions.x

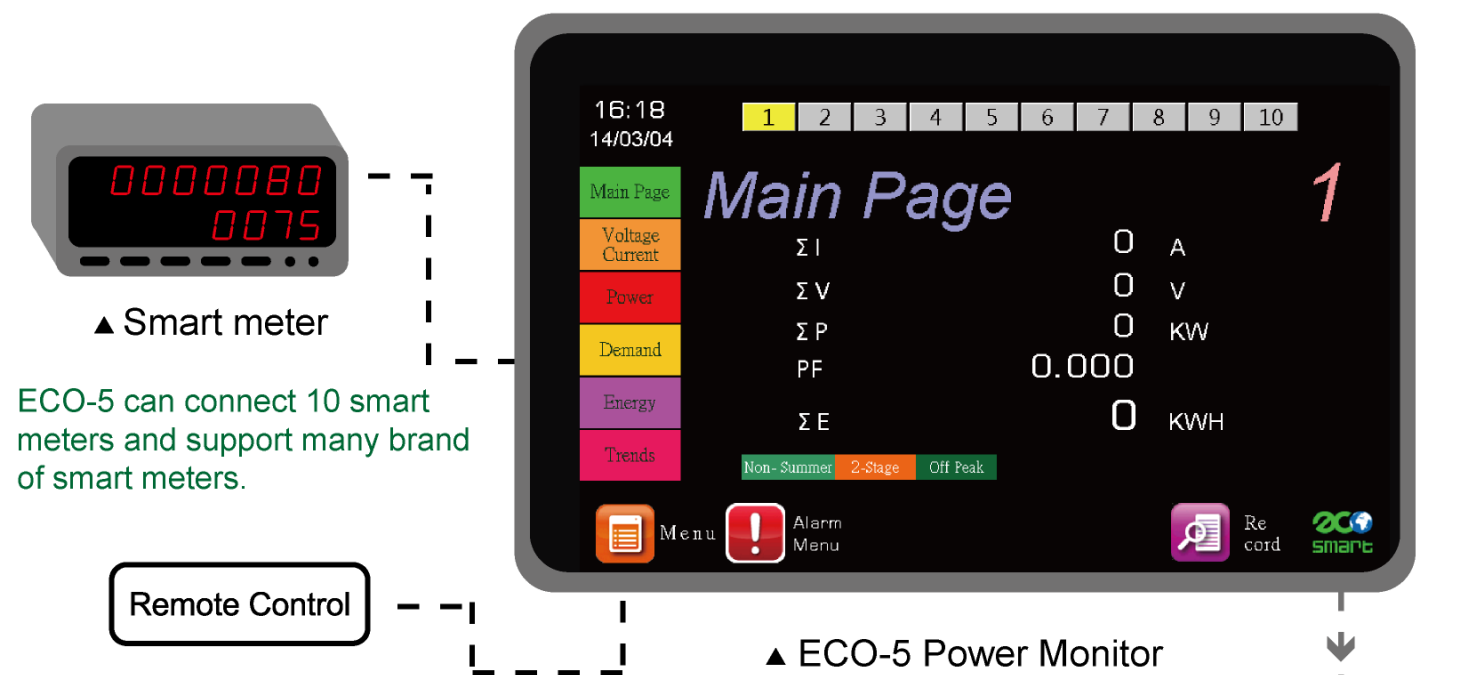
Specification

Dimensions	130mm x 106mm x 39mm ±1mm
Display	4.3 inch TFT Color touch-screen LED back light, 480 X 272 px
Communication Interface	LAN1:Ethernet
Operating Power	24VDC±10%
Operating Temp	5°C ~55°C
Storage Temp	-20°C ~60°C



Knowing your electricity situation

ECO-5 Power Monitor



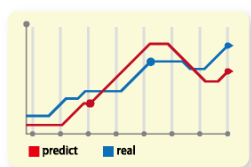
ECO-5 can connect 10 smart meters and support many brand of smart meters.

ECO-5 has built-in 4 predictive demand modes, and 10 relays can be controlled. Avoiding over power-using and save money easily.

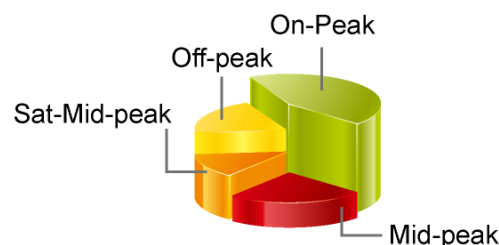
ECO-5 has 7 inch colorful monitor with touch function and simplified icon. It also has Built-in 5 kinds of alarm notifications for power, current, voltage, communications and demand.



Record data output
ECO-5 can record a month of electricity data and export data to the flash drive.



Trend
show power real and predictive value of demand, easy to check the power consuming.



Calculating electricity bill
Auto calculate the fee of basic and energy charges with difference periods.

Specification

Dimensions	200mm x 161.5mm x 150mm ±1mm	Connection meter	max. 10
Display	7-inch TFT Color touch-screen LED back light, 800 X 480 pixel.	Control	4 Relay output (to expand 10 or 18)
Communication Interface	LAN1:Ethernet (Default) LAN2:Ethernet (Option, or RS485)	Operating Power	100~ 240VAC 50/60Hz (Built-in 5A Fuse)
Meter communication	RS-485 x1	Operating Temp	5°C ~55°C
		Storage Temp	-20°C ~60°C

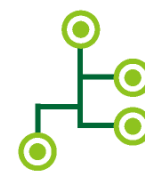
Efficient and Wisdom electricity analysis

ECO-Cloud Electricity analysis system



ECO-5 data uploads to the ECO-Cloud from all over the world.

ECO-Cloud automatically mail Daily report, monthly report and notifying alarm to clients. Clients can browse ECO-Cloud by computer, phone or tablet.



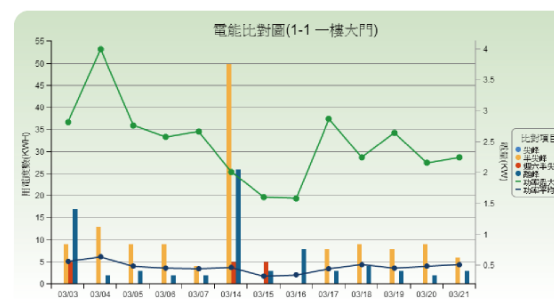
Dendrogram array
Easy to select and manage smart meters.



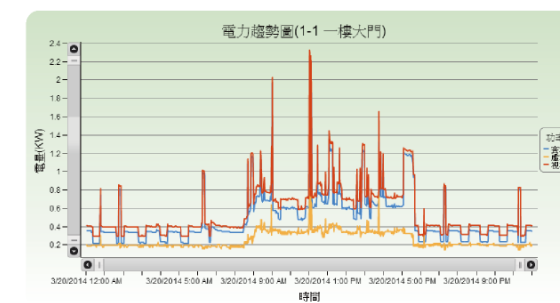
Data output
Offer print, PDF, excel and picture to output.

Sign in ↑

Member Login
Manager can set and manage membership



▲ Energy comparison chart



▲ Electricity trend chart

Energy charts:Built-in trend chart, daily report, monthly report,time interval comparison chart and multi-meter proportional chart and so on.