eMonitor™

Home Energy Intelligence for Everyone

A Revolutionary Breakthrough in Home Energy Management

The eMonitor™ uniquely monitors at the circuit level, integrating energy efficiency with renewable energy, and delivering the level of granularity and actionable intelligence required for effective energy management, cost savings and home safety for any homeowner.

See Where Power is Used – and Wasted

See how much power each appliance is using and how much money each costs to operate – in real-time & over time

Keep Your Family Safe

Receive alerts by text or e-mail if appliances are left on, if circuits are nearing their capacity, or if critical home equipment goes off

Use The eMonitor on Your Terms

Access the eMonitor through a personalized, fun easy to use internet dashboard, and via email updates, text alerts, and mobile apps.

Lower Electric Bills up to 30%

Ongoing analysis of actual energy consumption generates specific recommendations to help you reduce usage and save money

Monitor Appliance Performance & Health

Continuous diagnostics helps avoid thousands of dollars in wasted energy and costly repairs by providing notice of hidden problems with your appliances.

Monitor Renewable Energy

Monitor solar and wind production as part of a whole home energy profile & ensure the system is functioning properly.

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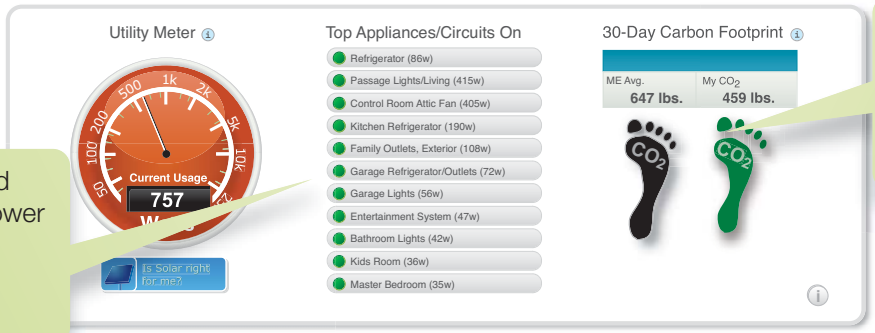
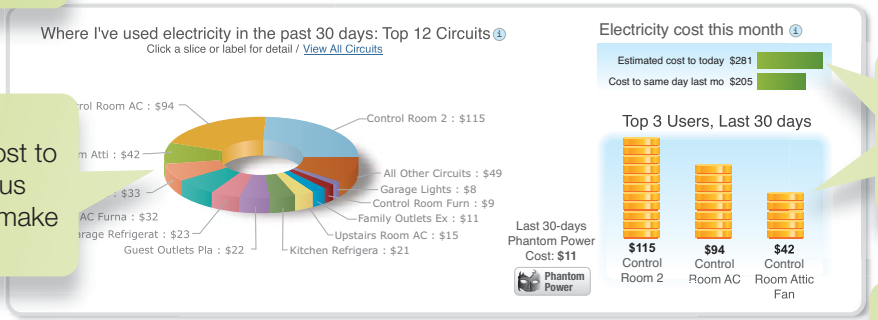
The eMonitor™ Dashboard

For the first time, any homeowner now has a cost-effective, fun and easy way to monitor their energy usage at the circuit level, enabling them to lower energy costs, keep their family safe and help our planet's future.



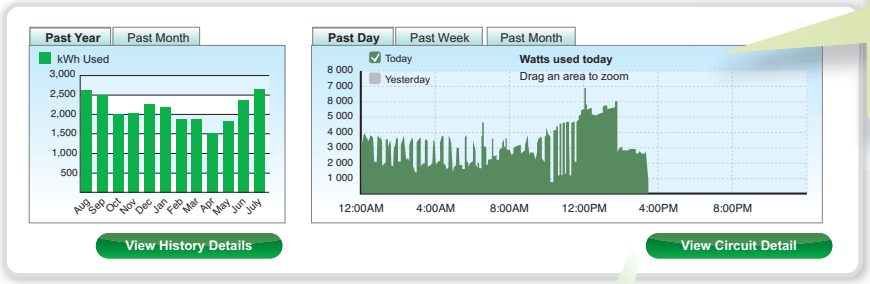
See all circuits and appliances drawing power right now – be alerted when something is on that shouldn't be

Compare carbon footprint with state averages – track the impact of actions aimed at reducing it

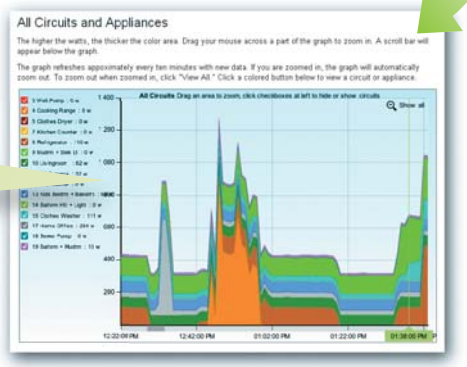


Understand what different appliances cost to operate – you can focus attention where it will make the most difference.

Find out how much is being spent and exactly what you are spending it on, even before your bill arrives



See usage on a minute by minute basis to understand patterns and identify spikes



Get further detailed visuals of every dimension of energy use to help see where energy savings can begin

the eMonitor-enabled™ program has API interfaces to allow 3rd party device, system and web site integration

AMX
RainWise Inc.
CRESTRON
savant

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...and ongoing eMonitor™ Services

- Circuit Level Monitoring
- Easy-to-Read Interactive Graphs
- Targeted Recommendations
- Appliance Health & Performance Monitoring
- Renewable Energy Monitoring
- Carbon Footprint Calculation
- Alerts by Text or Email
- Outlet Monitoring & Control
- Temperature Control
- Smart-Grid Enabled
- 3rd Party System Integration

From an initial analysis to ongoing monitoring, diagnostics and recommendations, the intelligence built into the eMonitor delivers continuous value to the homeowner. The eMonitor works around the clock looking for ways to save money, save energy and to keep the home safe.

The eMonitor enables the homeowner to:

> Know how much is being spent on electricity - before getting the bill

> Learn what steps can be taken to reduce electric bills by up to 30%

> Receive alerts when appliances or lights have been left on

> Receive a "circuit over capacity" alert, preventing potential power outage or fire

> Receive real-time alerts when an appliance's power usage suggests it is in need of maintenance or replacement

> See what devices are using energy, even when they are off, and how much they are costing

> Monitor renewable energy production and usage from a single interface

> Plug into smart grid initiatives: link to smart meters, accept and display time-based rates and participate in demand response programs, when available

Wireless control of temperature and individual outlets for added energy management.

Real-time text and email alert messages for immediate cost savings, energy savings and safety.

Jill, your 'Living Room Lights' circuit has been drawing power for more than the 120 minutes threshold.

Stan, your eMonitor has detected that your Dryer circuit is reaching its capacity. Please turn things off to prevent a possible overload.

Brian, your 'Water Pump' circuit is not drawing power. If you have any devices that should be on you may want to check them.

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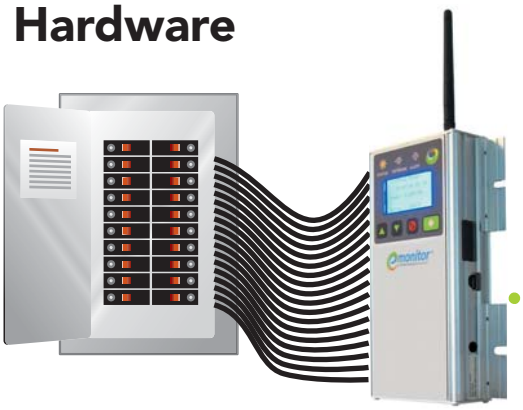
eMonitor™ Platform

The eMonitor Platform does all the hard work on the back end, making it fun, easy and convenient for any homeowner to lower their energy usage, save money and keep their home safe.

Hardware



- Circuit level usage data read 60x/minute
- Data uploaded to web server
- Integration with smart outlets and smart thermostats

Software

- Energy usage information, whenever and wherever you want it
- Fun and easy to use
- Intuitive tools and recommendations

Analytics Engine

- Continuously analyzes input data
- Diagnoses potential problems
- Makes savings recommendations
- Sends out real-time alerts & communication
- Working for you 24/7/365

Partners

- the eMonitor-enabled™ program has API interfaces to allow device, system and web site integration

eMonitor Technical Specifications

Connections

1 x 10/100 RJ-45 Ethernet ports
1 x High speed DB9 Serial port
1 x Power jack 6Volt 10Watts
12, 24 & 44 CT Sensor ports

Communication Protocols

TCP-IP via Ethernet (802.3) 10/100base-T or Wi-Fi/802.11b/g
Wireless ZigBee (802.15) mesh networking
Local via High speed Serial port

Power Requirements

120 VAC Power, 60 Hz
Calibrated Adapter:
Input 120 VAC 60 Hz 7 W
Output: 12VAC 1000mA

Dimensions & Operating Temperature

L x H x W: 8.80" x 4.25" x 1.75" Weight: 1.6 lbs
Operating Temperature: –10° C to +60° C or 14ºF to 140ºF
Humidity: 5% to 95%, non-condensing

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