TED® Energy Monitor
for Control4®

A real-time energy monitor that works with your Control4 automation system showing what you are spending on electricity, right on your TV.
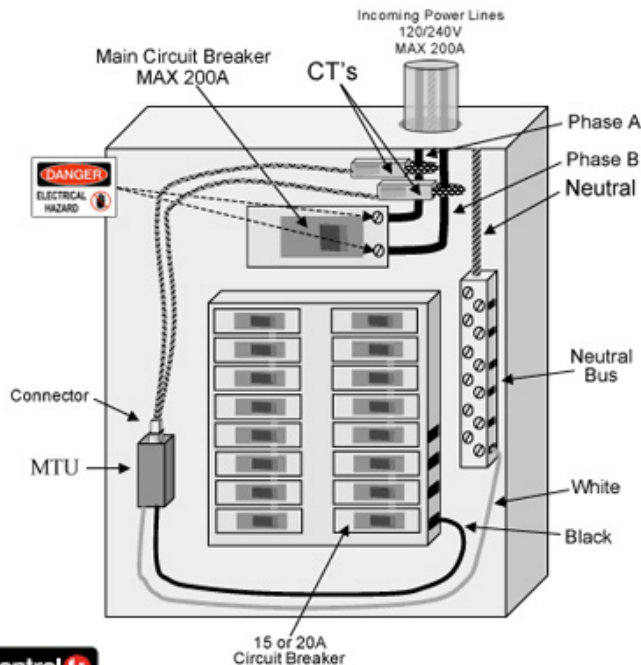
SAVE UP TO 20% ON YOUR ENERGY BILL!
$1,200 - that's the amount the average household pays each year for electricity according to the U.S. Department of Energy. Add the TED Energy Monitor to your Control4-automated home and save up to 20% on your energy bill (hundreds of dollars you can save).

THE CONCEPT IS SIMPLE
If you can measure it, you can manage it.
Will help reduce demand.
Will help save money immediately.
Will help save the environment.

YOU WILL IMMEDIATELY KNOW
How much electricity is being consumed that very minute.
How much money is spent each day on electricity.
How much money has been spent so far for this billing cycle.
What your projected utility bill will be for this month.
Your daily and monthly peak demand.
The cost of operating every electrical device in your home.

SEAMLESS INTEGRATION WITH CONTROL4
Monitoring electricity usage allows events to be triggered throughout the home. TED Energy Monitor works with all Control4 home controllers and appears in Control4 Composer Projects as an Energy Monitor device. Current and historical usage (kW), cost ($) and Carbon Dioxide ($CO_2$) are all values available for evaluation and display.

TED®
The Energy Detective™

Control 4®

EASY INSTALLATION
TED Energy Monitor is comprised of 4 basic components. A Measuring Transmitter Unit (MTU) located in the circuit breaker panel using two Current Transformers (CT's), a Receiving Display Unit (RDU) located in the home, a Personal Meter Data Repository (P-MDR) running on a local PC and a Control4 interface driver running on the local Control4 controller.

There are no wires to run. Data is transmitted over existing wiring in the home every 1 second, so no matter where you plug the RDU in, it receives data in real time.

Recommended installation by a qualified professional installer should take between 15 and 30 minutes.
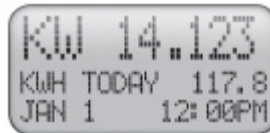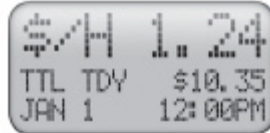
ENVIRONMENTALLY FRIENDLY
Government policy and high energy costs are driving more environmentally-aware home energy usage. When combined with Control4-enabled switches, relays, dimmers, and thermostats, the TED Energy Monitor "greens" Control4-automated homes with real-time energy information.

Main Circuit Breaker MAX 200A — CT's — Incoming Power Lines 120/240V MAX 200A — Phase A — Phase B — Neutral — DANGER ELECTRICAL HAZARD — Neutral Bus — Connector — MTU — White — Black — 15 or 20A Circuit Breaker

Control 4 Certified

TED® Energy Monitor
for Control4®

MISCELLANEOUS FEATURES
• Works with all meters: Digital, Mechanical, AMR
• Display Unit may be Wall-Mounted
• There are NO Batteries
• Maintains Data During Power Failure
• Accuracy +/- 2%
• Display is updated every 1 Second
• Automatically resets each month
• Use Alerts to display information on TV
• Send e-mail or text message notifications
• Can automatically adjust thermostats and
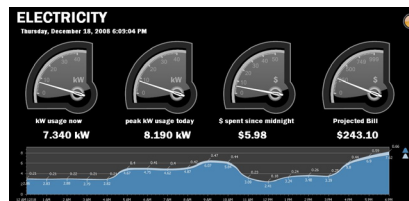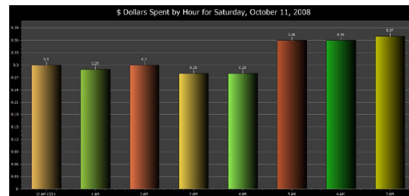   appliances based on usage and energy rates

AVAILABLE DATA / DISPLAY
• Current $/Hour Cost
• Current kW Power Usage
• kWh used since Midnight each day
• kWh used Month-to-Date
• $ Spent since Midnight each day
• Peak kW Power used Today
• Peak kW Power used Month-to-Date
• Peak $/Hour since Midnight
• Peak $/Hour Month-to-Date
• Projected kWh for Month
• Projected $ for Month
• Total $ Cost Month-to-Date
• Current Energy Rate in Effect
• Days left in billing cycle
• Current Voltage
• Lowest Voltage Month-to-Date
• Highest Voltage Month-to-Date
• Flashing LED (Green, Yellow, Red)
• Audible Alarm & notification
• History for 13 Months

RATE FEATURES
• 5 Step/Tier Rates
• 4 Time-of-Use Rates
• Weekend / Holiday Rates
• Summer / Winter Rates
• Taxes
• Energy / Fuel Surcharges
• Minimum Charges
• Fixed Charges
• Any Combination of Above

$ Dollars Spent by Hour for Saturday, October 11, 2008

SYSTEM REQUIREMENTS
Any Control4 Controller
Control4 Version 1.6.0 or greater
TED Footprints (included)
Energy Monitor Driver for Control4 (included)
PC with Windows XP, Vista or Server 2003

OPERATIONAL REQUIREMENTS
• EM-200-C4 is only suitable for use on 120/240V
   single-phase 60Hz services.
• EM-200-C4 is only suitable for services of 200 AMPS
   or less (For 400 AMP service use EM-400-C4).
• EM-200-C4 is suitable for use with single disconnect
   service. (For services with two disconnects
   use EM-400-C4).
• EM-200-C4 is only suitable for services with
   350 MCM Conductors.
• The system will not work with 3-Phase service.
• The system will not work with 230V 50Hz service.
• The system will not work if your service conductors
   are larger than 1 inch in diameter.

REGULATORY / CERTIFICATIONS
This device complies with part 15 of the FCC
Rules. Operation is subject to the following
two conditions: (1) This device may not cause
harmful interference and (2) This device must
accept any interference received, including
interference that may cause undesirable
operation. FOR HOME AND OFFICE USE

MODELS AVAILABLE
EM-200-C4 for up to 200 AMP Service
EM-400-C4 for up to 400 AMP Service

Ordering Information:

PEAK Software Corporation
Mesa, Arizona 85207
877.683.4151
www.peaksoftwarecorp.com