



The Bert® 110 M:

Plug Load Management with Measurement

If you're like most facility managers, you suspect that there are large potential savings from plug based loads —but you lack an easy way to document actual energy savings needed to create proven savings reports. The Bert® Plug Load Management System, with measurement-enabled Bert® 110M units, is a brilliant solution.



- **Measure** energy use with Bert's real-time measurement features.
- **Analyze** energy use, establishing optimal schedules and documenting savings.
- **Control** plug based devices throughout your facility.

The Plug Load Problem:

Studies show that plug based load is a large and growing source of energy use- estimated at 20% of energy use for offices and 25% of electricity for schools. Yet many schools, offices and retail locations are closed for nearly as many hours per year as they are open. Bert® provides the simple, sophisticated tools to turn equipment on when buildings are occupied and off when they're not.

How Bert® Works

Each Bert® contains a microprocessor that can communicate with the Bertbrain 1000/M control software across your wireless network. Bert® can store 7-day on/off schedules with multiple on/off commands each day. This allows you to set schedules that mirror the actual operating hours of your facility and easily modify schedules throughout the year.



Measure, Analyze and Control:

The Bert® 110M features an energy measurement chip that monitors the amount of power flowing through the plug and reports this information back to the Bertbrain 1000M software program. The measurement feature allows you to know the actual energy consumption of your equipment, as used in your facility, rather than rely on estimates from manufacturer spec sheets or industry studies.



Facility managers can analyze the usage information to create optimal schedules to control plug based load using Bert®. The measurement tool has other benefits as well. Energy consumption and savings data can be used for budgeting or to verify performance contracts. During load shedding events managers can see the actual amount of power that is being saved during the event. Bert® measurement is a brilliant solution.

The Bert® Advantage

Bert® has many advantages over products such as timers or occupancy sensors. Most timers only hold a single schedule. Bert® can use multiple on/off times that will accurately reflect your facility's true operational hours. When holidays or summer breaks dictate schedule changes, new schedules are sent to Bert® with the click of a mouse. Since Bert® is on your network, Bert® does not have to be reset manually like timers after a power outage. Occupancy sensors may turn vending machines on when your building is unoccupied. Your drinks don't need to be chilled when the cleaning crew or security guard walks by your vending machine at night. Thanks to the simple mass remote control with Bert®, your plug loads can easily be part of a load shedding or demand curtailment program.

The Bert® Plug Load Management System

The Bert® family of products includes the Bert® 110, Bert® 110M, Bert® Vend and the Bert® Express Measurement and Verification (EMV) Kit. Each product works seamlessly with the Bertbrain 1000M software application and your Wi-Fi network. By simply plugging your device into the Bert® you can remotely measure, analyze and control all of your plug loads.

Learn more about Bert® visiting www.bertbrain.com.

Measure - Analyze - Control