The Bert® 110:

Brilliant Plug Load Management For Across the Enterprise

If you're like most facility managers, you know that plug based loads are still a large—and largely untapped—source of energy savings. The Bert® Plug Load Management System is a brilliant way to manage plug based loads throughout your entire facility. Because Bert® communicates across your existing Wi Fi network, it allows you to have real-time control of countless devices anywhere you have WiFi coverage.

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.

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Powerful Scheduling

Bert® has intuitive but powerful scheduling features. Enter the times the device should go on and off each day. The schedule can be applied to individual Bert® plugs or groups of plugs, like '2nd Floor office equipment' or 'Area Lighting'. Schedules are sent to the plugs via WiFi and stored in Bert®'s microchip brain. A reporting feature allows you to add device-specific energy consumption data and generate savings reports based on the actual on/off time of your equipment.

Because Bert® communicates through WiFi schedules can be temporarily overridden. For example, groups of devices can be turned off with a click of the mouse during a load shedding event.

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