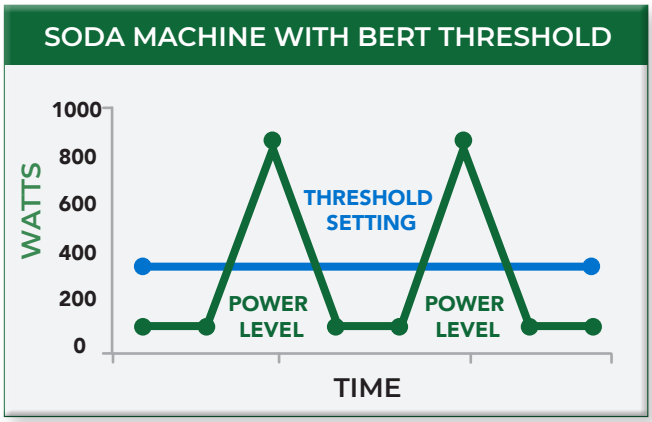
BERT® THRESHOLD

OPTIONAL INTELLIGENT CONTROL
POWER THRESHOLD-BASED CONTROL

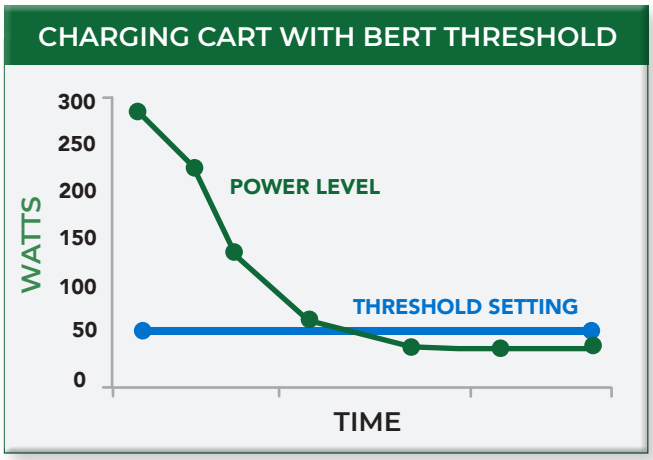
PROTECT SENSITIVE EQUIPMENT

Since Bert continuously measures energy use, Bert knows when a compressor is on or a projector is running. Adding BERT THRESHOLD software to Berts controlling sensitive equipment such as projectors and soda vending machines prevents the equipment from being turned off until the normal shut down cycle is complete or the compressor has turned off. BERT THRESHOLD can also be used with charging carts to turn carts off once its devices have been fully charged.



UNIQUE THRESHOLD FOR EACH DEVICE

Each device or group using BERT THRESHOLD is programmed with a threshold value, ranging from 2-999 watts. The threshold value is set to a value higher than the power consumption when the device is in standby mode (or the compressor is off) and less than the power consumption when the device is running or in shut down mode.



AUGMENTS TIME-BASED SCHEDULE

When a device with BERT THRESHOLD is scheduled to turn off, the Bert checks the measurement data to see if the power level is above or below the threshold. If the power level is below the threshold level at the time the device is scheduled to turn off, the device powers off immediately.

If the power level is above the threshold, Bert keeps the device powered on until the power level drops below the threshold for 15 seconds. The administrative dashboard indicates that the device is in a off-delayed state.

Name	Current Power State
ADAMS-105-PROJECTOR	ON Power 65.99W Off delayed Power > 30 Watts

Projector stays on if the power level is above the threshold.

Name	Current Power State
ADAMS-105-PROJECTOR	OFF Power 0mW Power Off Threshold: 30 Watts

Projector turns off when the power level drops below the threshold.

BUILDING SYSTEM INTEGRATION

Threshold-based control for sensitive devices is supported in BERT CONNECT, Bert's BACnet/IP Gateway. Plug and hardwired loads are seamlessly integrated into the existing building automation system allowing the BAS to schedule, analyze and control miscellaneous electric loads throughout the building.

Projectors, Vending Machines and Charging Carts