

HOW COLD DOES YOUR VENDING MACHINE NEED TO BE AT NIGHT?



The VendingMiser® reduces energy consumption of refrigerated beverage vending machines by an average of 46%—typically \$150 per machine, all while maintaining the product temperature.*

**Based on electricity rate and occupancy in US dollars.*

Recommended Installations

Cafeterias
Schools
Community Centres & Arenas
Gyms
Hospitals
Hotels
Service Centres

VendingMiser Products

VM150

VendingMiser with PIR Sensor

VM151

VendingMiser only

VM160

Weatherproof VendingMiser with PIR Sensor

VM161

Weatherproof VendingMiser only

VM170

Easy-Install VendingMiser with PIR Sensor

VM171

Easy-Install VendingMiser only

VM180

Weatherproof Easy-Install VendingMiser w/PIR Sensor

VM181

Weatherproof Easy-Install VendingMiser only

HOW IT WORKS

The VendingMiser is an occupancy-based energy control product that controls refrigerated beverage vending machines. It uses a Passive Infrared Sensor (PIR) to power down the machine when the area surrounding it is vacant. Then it monitors the room's temperature and automatically re-powers the cooling system at one to three hour intervals, to ensure the product stays cold. VendingMiser's microcontroller will never power down the machine while the compressor is running and when the machine is powered up, the cooling cycle is allowed to finish before powering down.

Installed in minutes either on the wall or on the vending machine, the VendingMiser is compatible with all types of cold drink vending machines and incorporates innovative energy-saving technology into a small plug-and-play device.

A cold beverage vending machine consumes on average 400 watts, costing approximately \$300 per year to operate at 10 cents per kWh. Powering down such a vending machine when not in use provides savings of \$150 or more per year per machine.

MAJOR BENEFITS

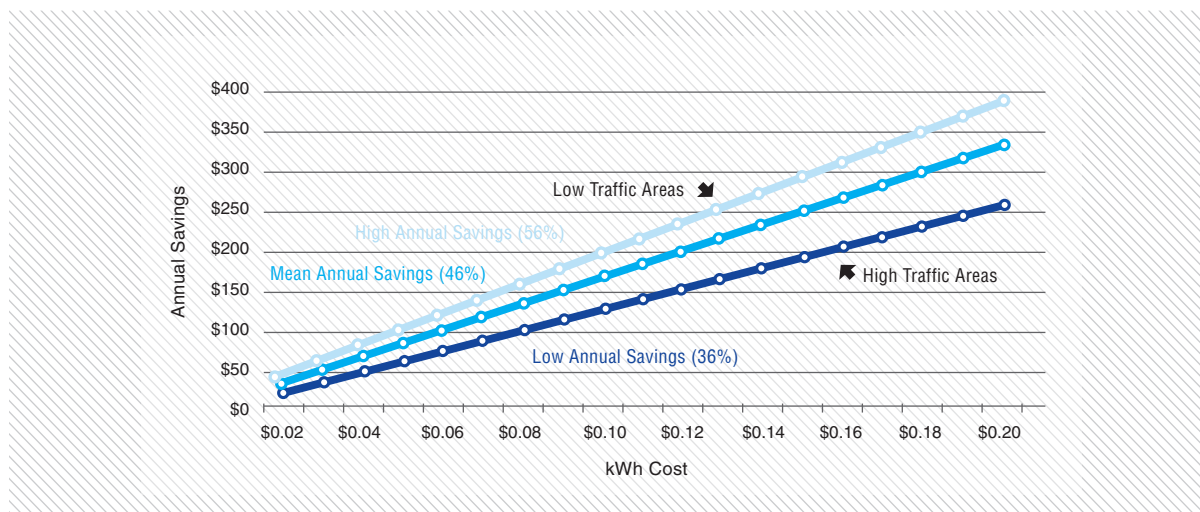
- Energy savings
- Simple installation process
- Longer machine lifespan and reduced wear and tear on equipment
- Yearly maintenance savings
- Compatibility in daily energy performance to ENERGY STAR® qualified machines

MAJOR BENEFITS (Continued)

- Ensures products stay cold
- Tested and accepted for use by major bottlers
- Early return on investment between one and two years

DATA ANALYSIS

Typical Savings



Assumptions

- Standard Vending Machine with Lamps
- 460 Watts Typical Power

Low Traffic Areas

- K-12 schools
- 5-6 day per week office buildings

High Traffic Areas

- cafeterias, dorm buildings, convenience stores
- 7 day per week operations

TECHNICAL SPECIFICATIONS

Electrical Specifications

Input Voltage 115 Volts (230 Volts available)
 Input Frequency 50/60 Hz
 Maximum Load 12 Amps (Steady-State)
 Power Consumption Less than 1 Watt (Standby)

Environmental Specifications

Operating Temp -15°C to 75°C
 Storage Temp -40°C to 85°C
 Relative Humidity 95% Maximum (Non-Condensing)

Compatibility

Vending Machines Any machine (except those containing perishable goods such as dairy products)

Inactivity Timeouts

Occupancy Timeout 15 minutes
 Auto Repower One to three hours (dynamically adjusted, based on ambient temperature)

Dimensions

Size 4.5"W x 1.75"H x 3.25"D
 Weight 2.2 lb. (including power cable)

Regulatory Approvals

Safety UL/C-UL Listed
 Information Technology Equipment (ITE) 9T79

