

VendingMISER®

“Save Energy, Save Money!”

Bayview's Miser family is a line of occupancy-based energy control products. VendingMiser® (U.S. Patent No. 6,243,626) represents a breakthrough in the power control of cold beverage vending machines. It reduces energy consumption by an average of 46%, while maintaining the temperature of the vended product. VendingMiser typically has a short average payback of between one and two years.*

Utilizing a **Passive Infrared (PIR) Sensor**, VendingMiser powers down a vending machine when the area surrounding it is vacant. For a series of up to 4 machines, VendingMiser can utilize its unique embedded Sensor Repeater, which allows it to be controlled from the PIR sensor of any other Miser in the bank. VendingMiser monitors the room's temperature, and automatically re-powers the vending machine at one to three hour intervals, independent of occupancy, to ensure that the vended product stays cold.

VendingMiser's electrical current sensor will never power down a vending machine while the compressor is running, avoiding high head-pressure starts. In addition, when the vending machine is powered up, the cooling cycle is allowed to run to completion before again powering down. VendingMiser's smart technology generates maintenance savings for the machine operator through reduced run time, estimated at \$40 - \$80 per year. Indicator lights on the unit will alert service personnel if the machine's cooling system is failing.

For outdoor locations and any other location where the VendingMiser may be exposed to water, a waterproof PIR sensor and controller housing are available. An Easy-Install VendingMiser is also available and allows for installation with no tools.

A cold beverage vending machine consumes on average 400 Watts, costing approximately \$300 per year to operate at 8¢ per kWh. Powering down such a vending machine when not in use provides savings of \$150 or more per year per machine. Additionally, other cooled product vending machines, such as refrigerated candy machines, can also be controlled by VendingMiser. Non-cooled product machines can be controlled by our companion product, SnackMiser™. VendingMiser is made in the USA.



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

VendingMisers Benefit the Environment

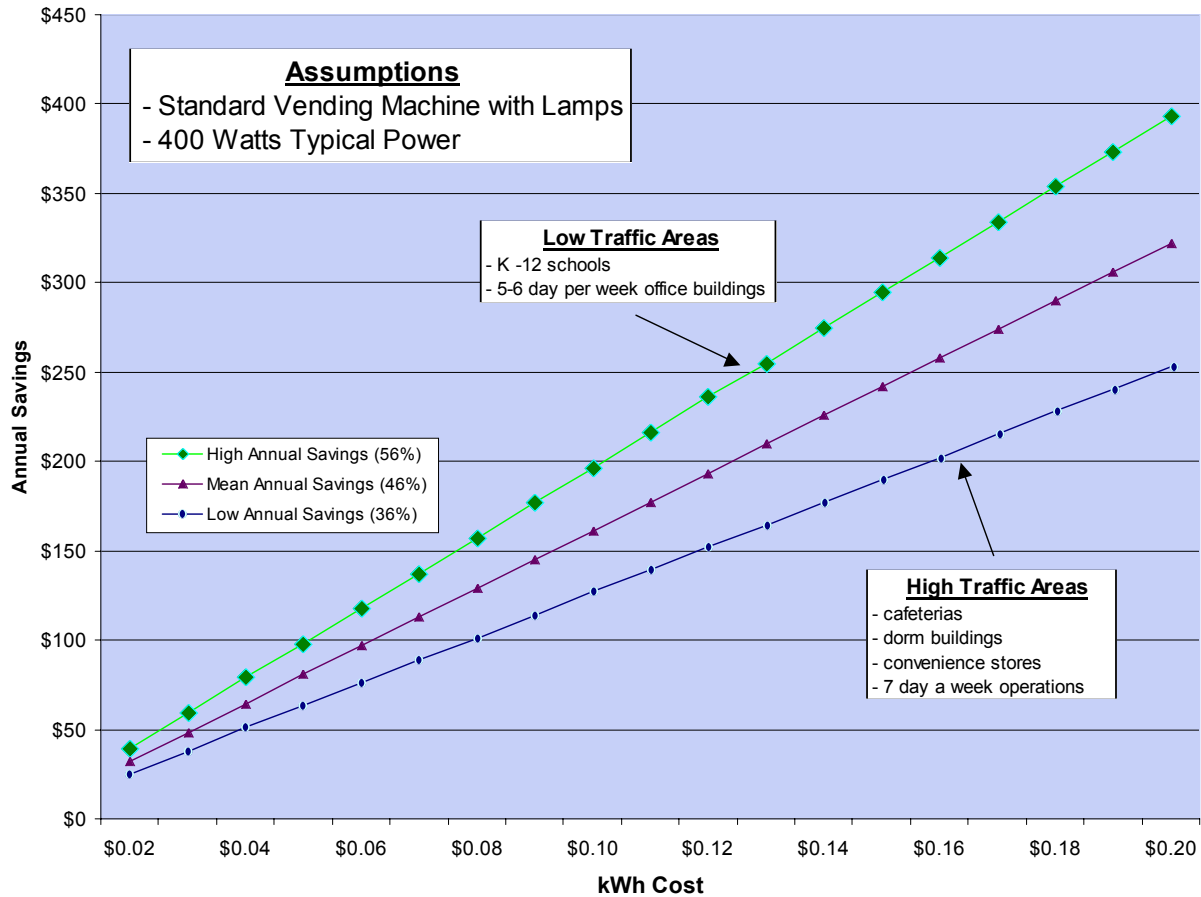
One VendingMiser reduces greenhouse gas emissions by 2200 lbs. of CO₂ and 3600 grams of NO_x each year.*

* Based on occupancy and the Energy Information Administration's national average of greenhouse gas emissions and electricity generation.



* Based on electric rate and occupancy.

TYPICAL SAVINGS GENERATED WITH VendingMISER®



COMMON QUESTIONS ABOUT VendingMISER®

Will VendingMiser keep my drinks cold?

Absolutely - VendingMiser has been tested and approved for use by both major bottlers. Visit the web site at www.bayviewtech.com or contact us for more details.

Is the VendingMiser easy to install?

Yes! VendingMiser is a simple external plug-and-play product. The VendingMiser can be installed on the wall with simple hand tools or it can be attached to the vending machine without tools using the new **Easy-Install** system. The Easy-Install System allows quick installation in 5 minutes.

Is VendingMiser safe for all machines?

Yes! VendingMiser is compatible with all types of cold drink vending machines. In fact, by reducing run time of the machines, VendingMiser reduces maintenance costs.

Has VendingMiser been field tested?

Tens of thousands of VendingMisers are operational in the field. Average energy savings have been independently

documented to be 46%. Measurement and verification test results as well as testimonials are available on the website.

Are any locations not appropriate for VendingMiser?

Just one - VendingMiser's savings are generated as a result of location vacancy. Therefore, a machine in a location that is occupied 24-hours, 7 days a week will likely generate little savings.

ORDERING INFORMATION

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