SnackMI$ER™

Reduce energy costs

The Miser family is a line of occupancy-based energy control products. SnackMiser™ controls non-refrigerated snack vending machines. This product creates energy and dollar savings for organizations with snack machines. A snack machine's lights and electronics typically draw 80 to 100 watts. This means a powered on snack machine is equivalent to leaving a 80 to 100 Watt light bulb on 24 hours a day, every day of the year - holidays included. Powering this snack machine down when not needed can result in real savings. SnackMiser™ can stand alone or it can be a perfect companion to the VendingMiser®.

How the SnackMiser™ works

SnackMiser™ will power down a snack machine when it determines 15 minutes of inactivity in the area around the machine. SnackMiser™ utilizes a Passive Infrared (PIR) Sensor to determine occupancy in the area around the vending machine. For a bank of machines, SnackMiser™ can utilize its unique embedded Sensor Repeater, which allows it to be controlled from the PIR sensor of any other Miser in the bank. This facilitates a quick and simple installation.

Why use the SnackMiser™?

SnackMiser's™ unique approach to power management has many advantages:

- Invisible to the User — equipment is powered up when the user enters the area, and is powered down when the area is vacant.
- Rugged 10A Capacity — SnackMiser™ can control any snack machine.
- Easy To Install — SnackMiser's™ embedded Sensor Repeater makes installation fast and simple. The new Easy-Install SnackMiser™ allows installation with no tools required.

Additionally, keeping a snack machine's electronics powered off, unless the machine is actually needed, lengthens the expected lifetime of the equipment and reduces its exposure to damaging power line spikes.

* Based on electric rate and occupancy.
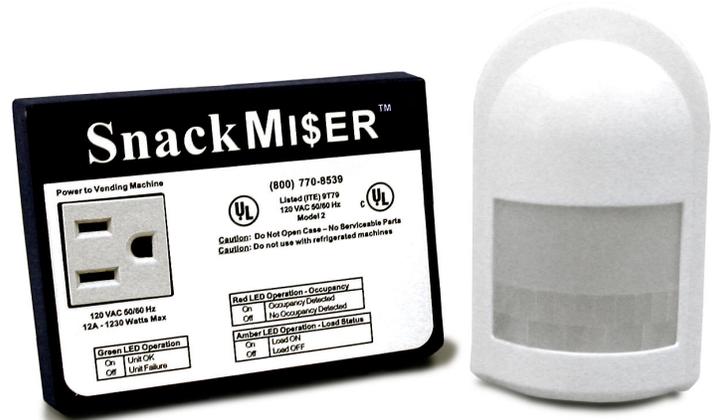
SNACKMISERS™ BENEFIT THE ENVIRONMENT AND REDUCE ENERGY COSTS

One SnackMiser™ reduces greenhouse gas emissions by 470 lbs. of CO_2 and 770 grams of NOx each year.**

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

Frequently Asked Questions

How Does SnackMiser™ Work?

SnackMiser™ uses a PIR sensor to determine if there is anyone within 25 feet of the machine. SnackMiser™ waits for 15 minutes of vacancy and then powers off the snack machine. If a customer approaches the snack machine while powered down, SnackMiser™ will sense the person's presence and power up immediately.

Will SnackMiser™ affect the lifetime of the lights in my machine?

The replacement frequency of the fluorescent lamps will be reduced. While it is true that power cycling fluorescent lamps will shorten their life, the hours that the machine is powered down greatly exceeds this reduction in burn hours. The net effect is that the lamps will need replacement less often.

Are there any locations not appropriate for SnackMiser™?

A machine in a location that is occupied 24-hours, 7 days a week will likely generate little savings.

Is the SnackMiser™ easy to install?

Yes. The SnackMiser™ can be installed on the wall with the supplied bracket holder or it can be attached to the snack machine using the new Easy-Install system. Because many SnackMisers™ are installed with a VendingMiser®, sensor installation might not even be needed.

Technical Specifications

ELECTRICAL SPECIFICATIONS

Input Voltage:	115 Volts (230 Volts available)
Input Frequency:	50/60 Hz
Maximum Load:	1050 Watts (Steady-State)
Power Consumption:	Less than 1 Watt (Standby)

ENVIRONMENTAL SPECIFICATIONS

Operating Temp:	0℃ to 50℃
Storage Temp:	-20℃ to 60℃
Relative Humidity:	80% Maximum (Non-Condensing)

COMPATIBILITY

Snack Machines:	Any type, as long as SnackMiser's maximum power rating is not exceeded

INACTIVITY TIMEOUTS

Timeout Period:	15 minutes

DIMENSIONS

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Size:	4.5"W x 1.75"H x 3.25"D
Weight:	2 lb. (incl. power cable)

REGULATORY APPROVALS

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

Typical Saving Generated with SnackMiser™

Assumptions
- Standard Snack Machine with Lamps
- 85 Watts Typical Power

Low Traffic Areas
- K-12 schools
- 5-6 day per week office buildings

- High Annual Savings (56%)
- Mean Annual Savings (46%)
- Low Annual Savings (36%)

High Traffic Areas
- cafeterias
- dorm buildings
- convenience stores
- 7 day a week operations

Annual Savings

kWh Cost
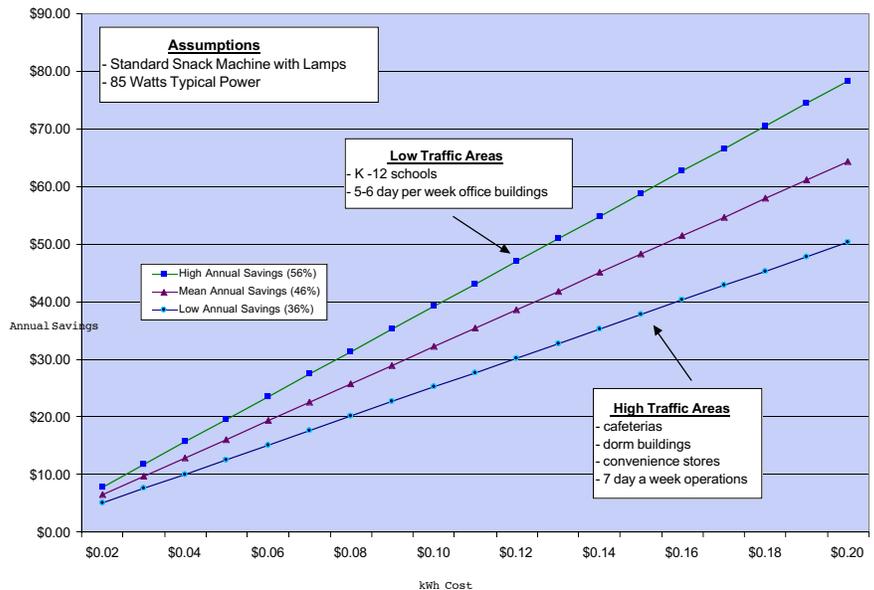
SnackMiser™ Products

SM150	SnackMiser with PIR Sensor
SM151	SnackMiser only
SM170	Easy-Install SnackMiser with PIR Sensor
SM171	Easy-Install SnackMiser only

For more information about the SnackMiser™ by USA Technologies
800-770-8539 • www.usatech.com