PlugMiser™

The power to conserve more energy...

PlugMiser™ turns off idle equipment.

Keeping electric equipment powered off when not needed can prolong the lifespan of the equipment and save as much as $120 in energy costs per year, per office. One PlugMiser reduces greenhouse gas emission by 1,200 lbs of CO_2 and 2,050 grams of NOx each year based on occupancy and the Energy Information Administration's national average of greenhouse gas emissions and electricity generation. PlugMiser saves energy on all types of plug-loads, including arcade games, computer monitors, task lights, radios, copiers, personal printers, space heaters and more.

A practical approach to power

PlugMiser uses a custom Passive Infrared (PIR) sensor to power down electrical equipment when not in use. Its 1230 Watt capacity ensures that a large assortment of loads can be safely controlled. When someone comes within range of the equipment, PlugMiser automatically powers it back up.

The Miser controls the room

PlugMiser's built-in Sensor Repeater allows several pieces of equipment to be controlled with multiple PlugMisers using only one PIR sensor. PlugMiser™ can be combined with any other Miser product.

Invisible to the user, PlugMiser is easy to install with its universal mount and also features a built-in, selectable power-down delay and a programmable automatic power-down delay for easy installation verification.

PlugMiser offers...

- A quick, inexpensive solution to energy savings and conservation
- Longer machine lifespan
- Early return on investment
- Environmental benefits

PlugMiser Technical Specifications
Electrical Specifications
Input Voltage: 115 Volts
Input Frequency: 50/60 Hz
Maximum Load: 1230 Watts (Steady-State)
Power Consumption: Less than 1 Watt (Standby)

Environmental Specifications
Operating Temp: 0°C to 50°C
Storage Temp: -20°C to 60°C
Relative Humidity: 95% Maximum (Non-Condensing)

Compatibility

All types of plug loads, including arcade games, computer monitors, task lights, radios copiers, personal printers, space heaters and more

Any type, as long as PlugMiser's maximum power rating is not exceeded.

Inactivity Timeouts (User selectable)
Timeout Period: 30 seconds (Initial test mode)
Auto Re-power: 3 seconds, 15 minutes*, 25 minutes*
                     1 hour, 2 hours, 3 hours
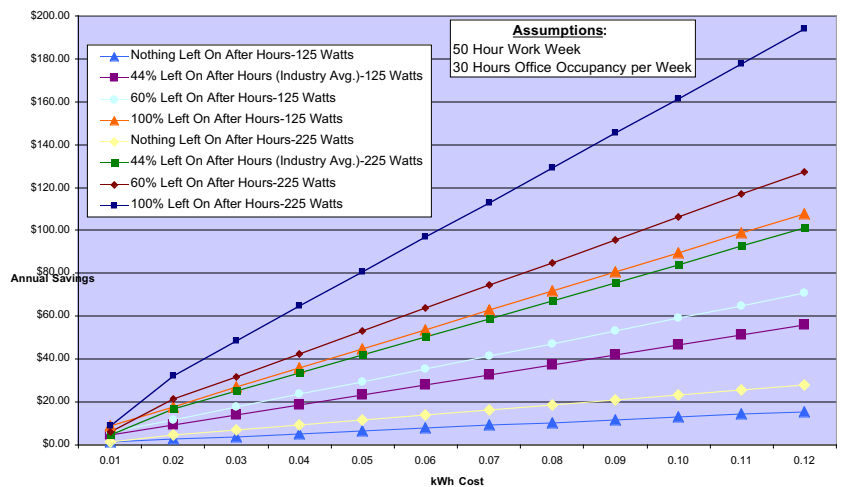*Available with or without 30 second initial timeout

Dimensions
Size: 4.5"W x 1.75"H x 3.25"D
Weight: 2 lbs. (includes power cable)

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

Frequently Asked Questions

How can I use PlugMiser™ in a typical modular office?
Modular offices represent a challenge for occupancy based energy controls because these types of offices are not always closed off from other potential sources of false triggers. Sensor placement is important to ensure there are no false triggers. If your office has four walls which are each higher than 5 feet, then the PlugMiser™ should work fine.

Can I use PlugMiser™ to control my copiers?
PlugMiser™ is capable of controlling copiers as long as the power requirement of the copier does not exceed 12 Amps steady state. When using PlugMiser™ on copiers, use the 2 or 3 hour timeout as demanded by the activity near the copier. The copier will stay powered on during the day, so no one is inconvenienced by the warm up delay of a copier that has been turned off.

What else can I control with PlugMiser™?
PlugMiser™ is a powerful tool for controlling all types of plug loads that can be controlled independent of their state, such as electronic games, personal heaters, radios, task lights, etc. Loads which cannot be turned off randomly, such as computer systems, cannot be controlled.

Technical Specifications

ELECTRICAL SPECIFICATIONS
Input Voltage:	115 Volts
Input Frequency:	50/60 Hz
Maximum Load:	1230 Watts (Steady-State)
Power Consumption:	Less than 1 Watt (Standby)

ENVIRONMENTAL SPECIFICATIONS
Operating Temp:	0°C to 50°C
Storage Temp:	-20°C to 60°C
Relative Humidity:	80% Maximum (Non-Condensing)

COMPATIBILITY
all types of plug loads, such as arcade games, computer monitors, task lights, radios, copiers, personal printers, space heaters, and more: Any type, as long as PlugMiser's maximum power rating is not exceeded

INACTIVITY TIMEOUTS
Timeout Period:	30 seconds (test mode)
	3 sec., 15 min.*, 25 min.*
	1 hour, 2 hours, 3 hours

* available with or without 30 second initial timeout

DIMENSIONS
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
	E157727
	Information Technology
	Equipment (ITE) 9T79

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Typical Saving Generated with PlugMiser™

Annual Savings vs kWh Cost

Assumptions:
50 Hour Work Week
30 Hours Office Occupancy per Week

Legend:
- Nothing Left On After Hours-125 Watts
- 44% Left On After Hours (Industry Avg.)-125 Watts
- 60% Left On After Hours-125 Watts
- 100% Left On After Hours-125 Watts
- Nothing Left On After Hours-225 Watts
- 44% Left On After Hours (Industry Avg.)-225 Watts
- 60% Left On After Hours-225 Watts
- 100% Left On After Hours-225 Watts

PlugMiser™ Products

PM150	PlugMiser with PIR Sensor
PM151	PlugMiser only
PM190	PlugMiser with PIR Sensor, special mounting bracket
PM191	PlugMiser only, special mounting bracket