



Owner's Manual: Model Number: SWE-100

HiSAVER® PC Version

Table of contents

1. Important Safety Information
2. What is Standby Power?
3. What is HiSAVER®?
4. Energy Saving Effect
5. Product Contents
6. Product Description and Operation
7. Placing the Motion Detection Sensor
8. Frequently Asked Questions
9. Troubleshooting
10. Product specifications

1. Important Safety information

Before beginning your installation, read the following safety information

- NEVER use your HiSAVER® in Hospitals, for Life Care Machines, Industrial Machines, Aircraft nor Nuclear Power Stations.
- Do not plug your HiSAVER® into a power outlet that differs from the source indicated for safe use on your HiSAVER®. If you do not know the type of electrical power that is supplied to your home, please consult a qualified electrician.
- Your HiSAVER® is intended for indoor use only.
- Do not install your HiSAVER® near heating appliances such as a radiator.
- Do not operate your HiSAVER® near water. Your HiSAVER® must be kept dry at all times. Do not use your HiSAVER® if it has been exposed to moisture
- Do not plug extension cords into your HiSAVER®.
- Your HiSAVER® has a three-wire grounding type AC plug (a three-prong plug). This plug is designed to be inserted into a grounding-type outlet only. Do not attempt to defeat the grounding feature by using a 3-to-2 prong adapter. If in doubt, a qualified electrician should be called.
- Never install electrical, telephone, network, home theater or PC products during a lightning or thunderstorm.
- When routing the AC power cord of your HiSAVER®, do not place it near heavy foot traffic areas such as doors and hallways. Do not create a hazard with the power cord.
- If your HiSAVER® is not operating properly, do not remove any part of the unit for repair. Unplug the unit and consult the Warranty Information section of this owner's manual for important details.
- One or more of the safety thermal HUGHES fuses, which are placed in between each pair of VARISTORS, may break if an abnormal surge is detected during a huge storm. In such an unlikely event, such a break renders the power strip unusable. This means that your HiSAVER® has served its purpose and it has saved your device(s) from damage.

2. What is Standby Power?

Standby power, also called **vampire power**, refers to the electric power consumed by electronic appliances while they are switched off or in a standby mode. According to the latest estimates according to the U.S. Department of Energy, about \$4 billion a year is wasted in the United States and may reach 20 percent of all power usage by 2010.

3. What is HiSAVER®?

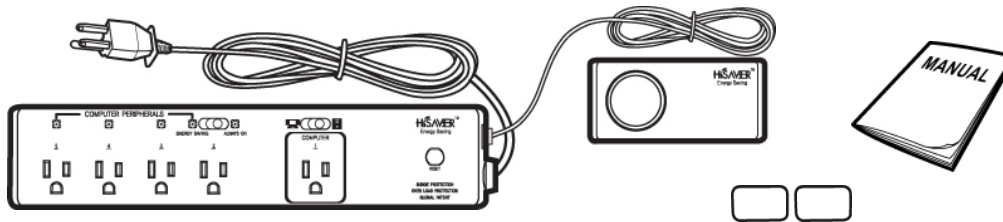
Your HiSAVER® is a unique AI (Artificial Intelligence) “ENERGY SAVING” surge protector which intelligently and automatically manages and dramatically reduces power and “Standby Power” consumption of PC, home entertainment system and other electric hardware. Your HiSAVER® manages the electricity used by your PC devices by virtually eliminating standby power used by your PC even when you have turned it off. **Your HiSAVER can save you up to 30% on your power bill and cut up to 50% of the power consumed by your PC and its peripheral devices while in use.**

4. Energy Saving Effect

Thanks to the Motion Detection Sensor, your HiSAVER® detects your presence and automatically turns off PC peripherals like speakers, monitor, and printers when you leave your desk for more than 10 minutes, turning power back on automatically when you return. This means you are not wasting power on devices that you are not using. When you turn off your PC, your HiSAVER® detects the power change and, after 3 minutes, turns off all standby power to the PC and reduces power consumption to zero. Best of all, your HiSAVER® is completely automated and is used just like any other power strip so you don't have to do anything to benefit from the energy savings generated. Because of your HiSAVER® artificial intelligence it will never turn off power to your PC while you are using it. This means that you will never lose your work or have an unexpected shutdown. When your HiSAVER® detects that you have stepped away from your PC it will shutdown your PC peripherals, but will not shutdown your PC.

5. Product Contents

1. HiSAVER® Surge Protector
2. Motion Detection Sensor & connector Wire
3. Magnetic Placement Plate & Stickers for Motion Sensor (2 kits)
4. Quick Start Guide



6. Product Description and Operation

- ①. HiSAVER® Surge Protector
- ②. Motion Detection Sensor & Connector Wire
- ③. Motion Detection Sensor Wire Connector Jack Input.
- ④. Laptop / Desktop Selector Switch
- ⑤. ENERGY SAVING Mode (outlets number 2, 3, 4, 5)
- ⑥. “ALWAYS ON” or “ENERGY SAVING” User-Selectable Mode (outlet number 2)
- ⑦. Circuit Breaker Reset Button

①. HiSAVER® Surge Protector

Your HiSAVER® is designed for use with your home or office PC equipment. Your HiSAVER® combines internal artificial intelligence with an external Motion Detection Sensor to manage your PC energy usage.

②. Motion Detector Sensor & Connector Wire


Your HiSAVER® Motion Detection Sensor tells the surge protector when you are present in front of your PC. When you step away from your PC for more than 10 minutes, the Motion Detection Sensor signals your HiSAVER® to turn off power to your devices (but not to your PC). Your HiSAVER® can be used without the Motion Detection Sensor but the added power saving benefits will be lost though it will continue to eliminate standby power used by your PC when you have turned it off.


③. Motion Detection Sensor Wire Connector Jack Input.

This connects your HiSAVER® surge protector to the remote Motion Detection Sensor.


④. Laptop / Desktop Selector Switch

Your HiSAVER® surge protector has two types of power outlets. Outlet 1 is for your PC. Connect the power cord from your PC to the first (outlet 1) outlet labeled “Computer”.

Make sure that the selector switch is in the Desktop  position.

“Laptop computers” have their own power management system and will not go down to zero watt standby power (0.2W) when you physically turn off your laptop. If you are connecting a laptop to your HiSAVER® surge protector and you want it to be permanently on charge, plug it into the first (outlet 1) outlet and move the computer selector switch to the Laptop  position.

⑤. ENERGY SAVING Mode (outlets 2, 3, 4 and 5)

Plug your other PC peripherals into the  ENERGY SAVING outlets 2, 3, 4, and 5 of your HiSAVER®, these devices will be automatically turned off when the Motion Detector Sensor detects your absence after 10 minutes away from your workspace. These devices will be turned on automatically when you return to your workspace if you have not manually turned off your PC.

⑥. “ALWAYS ON” or “ENERGY SAVING” User-Selectable Mode (outlet number 2)

Some devices like ADSL or cable modems, wireless routers, network printers, wireless telephones or fax machines need continuous power to operate even when your PC is turned off. If you have one of these devices and need to plug it into your HiSAVER®, plug it into the switchable plug (outlet 2) and turn this switch to the “ALWAYS ON” position. Outlet 2 will act as an independent outlet without energy saving functions while on the “ALWAYS ON” position.

⑦. Circuit Breaker Reset Button.

Any device that consumes more than the wattage limitation allowance for your HiSAVER® surge protector, will trip the circuit breaker. When this happens the “RESET” white button will pop up. Check the power consumption of your devices and unplug the appropriate one. Reset the circuit breaker by pressing down on the “RESET” button and continue using your HiSAVER®. See Note below, for wattage limits of your HiSAVER®

Note:

For the HiSAVER® US outlet type the limitation is 1,875 Watts and 15 Amps.

For the HiSAVER® Europe-German outlet type the limitation is 3,500 Watts and 16 Amps.

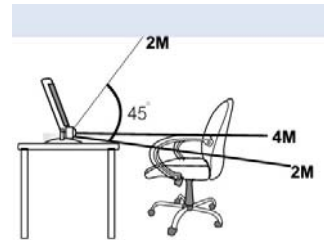
For the HiSAVER® Japanese outlet type the limitation is 1,500 Watts and 15 Amps.

7. Placing the Motion Detection Sensor

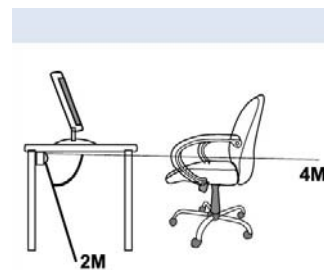
Your HiSAVER® Motion Detection Sensor needs to be able to “see” you when you are working at your PC. Place the HiSAVER® Motion Detector Sensor pointing towards the space where a person using the PC would normally be sitting. Avoid aiming the Motion Detection Sensor towards an area where other activities take place. The Motion Detection Sensor is highly sensitive and can detect movement up to 12 feet / 4M in front of it.

1. Plug the HiSAVER® Motion Detection Sensor cord into the HiSAVER® power-strip Motion Detection Sensor jack.
2. Determine the best location for the HiSAVER® Motion Detection Sensor.
3. Peel the cover off of the Metal Motion Detection Sensor placement strip and affix it to the desired location.
4. Place the magnetic contact on the Motion Detection Sensor to the metal placement strip

You may need to adjust the Motion Detection Sensor for optimal performance.




Motion Detection side range : 6.5ft / 2M
Motion Detection center range: 13ft / 4M



8. Frequently Asked Questions


If I go away from my PC will I lose my work?

Your HiSAVER® will never turn off power of your PC. The documents you are working on will remain unchanged until you return to your PC. Only the PC peripheral devices (i.e. printer, monitor, etc.) will be turned off to save energy while you are absent. To turn off your PC you must shut it down in the normal way.

<p>What if my computer is a Laptop?</p>	<p>Since laptop computers have their own power management systems, your laptop will need continuous power even when switched off (to maintain battery health). Plug your laptop into the first plug (outlet 1) and move the computer selector switch to laptop  position if you need to keep your Laptop always fully charged.</p>
<p>Does my HiSAVER® protect my electronic equipment?</p>	<p>In addition to its energy saving benefits, your HiSAVER®, is also 3,180 joules high capacity surge suppressor that will protect your equipment from electrical spikes and thunderstorms</p>

9. Troubleshooting

<p>My PC won't turn on!</p>	<ol style="list-style-type: none"> 1. Check to make sure that the HiSAVER® Motion Detection Sensor is not obstructed. If the Motion Detection Sensor cannot detect any movement your HiSAVER® will not provide power to the computer. 2. Check to make sure your HiSAVER® is properly plugged into the electric wall outlet and that the PC power cord is properly plugged into the HiSAVER®. 3. Any device that consumes more than the limited wattage allowance for the HiSAVER® surge protector, will trip the circuit breaker. When this happens the "RESET" white button will pop up. Check the power consumption of the device(s) and unplug the appropriate device(s). Reset the circuit breaker by pressing down on the "RESET" button.
<p>My external modem keeps losing power!</p>	<p>The modem must be plugged into the outlet 2 outlet and the selector switch must be on the "ALWAYS ON" position.</p>
<p>My PC peripherals turn off while I am using my PC!</p>	<p>Make sure that your HiSAVER® Motion Detection Sensor is properly aimed at the place where you sit to use your PC. If the Motion Detection Sensor can not detect any movement, it shuts down your PC peripherals to conserve power.</p>
<p>My laptop battery goes dead</p>	<p>If you are using a Laptop with HiSAVER® the laptop must be</p>

<p>while plugged into my HiSAVER®!</p>	<p>plugged into the outlet 1 and the selector switch must be in the laptop  position if you need to keep your Laptop always fully charged.</p>
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10. Product specifications

MODEL	Europe with German plug type
	SWE-100E (Europe)
	FOR PC USE
Number of outlets	5
Plug Type	F Type
Electrical rating	AC 230V 16A 50Hz
Power Cord length Miter/feet	1.9M/6.2ft
Max. Power Outlet	3,500W
EMI/RFI Frequency	0.15MHz to 30MHz
Joules rating	3,180J H-N : 2 ,120J H-G : 530J N-G : 530J
Max. surge current	6,500A
Max. surge amperage	58,500 Amps
Max. Spike current	H-N : 39,000A H-G : 9,750A N-G : 9,750A
Max. Allowable voltage	250VAC 50Hz
Response time	<1 Nanosecond
Max. clamp voltage	710Vc (Volts)
Warranty	5 Years
Connected Equipment Insurance	500,000 €

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