



## Owner's Manual: Model Number: SWE-103

### HiSAVER® TV Version

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## 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®?

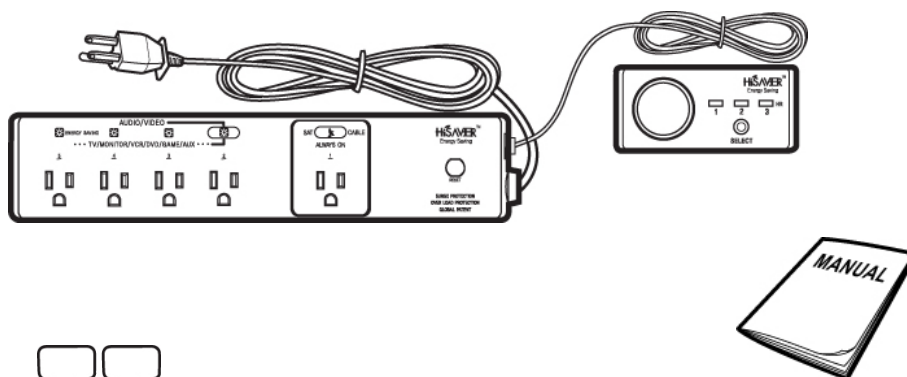
Your HiSAVER® is a unique AI (Artificial Intelligence) “ENERGY SAVING” surge protector which intelligently and automatically manages and dramatically reduces power and “Standby Power” consumption of PC, home entertainment system and other electric hardware. **Your HiSAVER can save you up to 30% on your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

### 4. Energy Saving Effect

Thanks to the Motion Detection Sensor, your HiSAVER® detects your absence and automatically turns off, after a user-selected period of time, all connected Home Entertainment Devices, such as TVs, game consoles and DVD players. Power is automatically turned back on when you return. This means you are not wasting power on devices that you are not using. Best of all, your HiSAVER® is completely automated and you use it just like any other power strip. So you do not have to do anything additional to benefit from the energy savings. Your HiSAVER® will however continuously power your Cable or Satellite Receiver Box to maintain, where necessary, your TV’s menus and settings.

### 5. Product Contents

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



## 6. Product Description and Operation

- ① HiSAVER® Surge Protector
- ② Motion Detection Sensor
- ③ Time Selector Button on Motion Detection Sensor
- ④ “ENERGY SAVING” mode (outlet 2,3,4,5) and “ALWAYS ON” Mode (outlet 1)
- ⑤ Circuit Breaker Reset Button

### ① HiSAVER® Surge Protector

Your HiSAVER® surge protector is designed for use with your home entertainment equipment. Combined with an internal artificial intelligence and an external Motion Detection Sensor it manages and economizes your home entertainment energy usage.

### ② Motion Detection Sensor

The HiSAVER® Motion Detection Sensor tells the surge protector when you are present in front of your television / Home Entertainment Center. When you step away from your TV for an extended period of time (user adjustable) the Motion Detection Sensor signals your HiSAVER® to turn off power to your home entertainment devices except the devices plugged into the Cable or Satellite Receiver “ALWAYS ON” outlet.

### ③ Time Selector Button on Motion Detection

The turn-off time interval of your HiSAVER® is chosen by pressing the SELECT button on the Motion Detector Sensor until the desired interval of 1, 2 or 3 hours is selected.

If, you want your HiSAVER® to be “ALWAYS ON” for a given time, press the SELECT button on the Motion Detection Sensor until no LED light shows (i.e. immediately after the 3 hour position). In this “ALWAYS ON” mode, your HiSAVER® will NOT automatically turn off power to your devices so there will be NO standby power saving benefits. Your HiSAVER® will however CONTINUE to perform its important surge protecting role.

An example of the use of the “ALWAYS ON” function could be for recording future TV programs on your DVR or VHS when at the same time your Cable / Satellite setup box also requires the “ALWAYS ON” function. If additional devices needs to be “ALWAYS ON” then just plug those particular devices into power outlet(s) not managed by your HiSAVER®.

### ④ “ENERGY SAVING” mode (outlet 2,3,4,5) and “ALWAYS ON” Mode (outlet 1)

Some devices like a Cable or Satellite receiver need continuous power to operate even when your TV is turned off. If you lose power on such devices it may take several minutes for it to operate correctly once it is turned back on.

User should therefore plug the cable / satellite receiver into outlet 1 “ALWAYS ON” and the other devices into the ENERGY SAVING outlets 2-5. These other devices will then benefit from zero standby power if you turn off your TV with the remote control and leave the room for the pre-selected time period.

#### ⑤ **Circuit Breaker Reset Button**

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

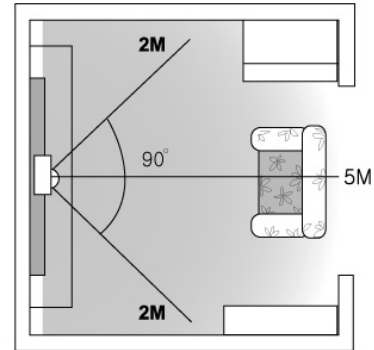
## **7. Positioning the Motion Detection Sensor**

Your HiSAVER® Motion Detection Sensor needs to be able to “see” you when you are watching your television. Place the HiSAVER® Motion Detection Sensor pointing towards the area where you would normally be sitting when watching TV. 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 several meters / yards in front of it. See diagram: 16.4 ft or 5M in front and 6.5ft or 2M to each side.

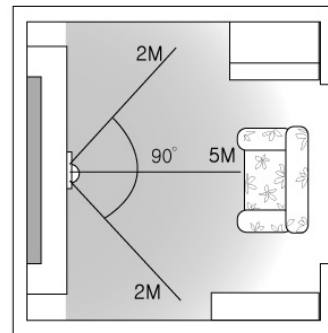
1. Determine the best location for the HiSAVER® Motion Detection Sensor.
2. Peel off the rear cover of the Metal Placement Plate and affix it to the desired location.
3. Place the magnetic contact of the Motion Detection Sensor on the Metal Placement Plate

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

*If you place the Motion Detector Sensor inside a TV console the range and therefore the sensitivity can be decreased, if you so wish.*



- Sensor on top of TV -



-Sensor on the TV shelf-

**Sensor Side Edge Range: 6.5 ft / 2M**

**Sensor Center Range: 16.4ft / 5M**

### 8. Frequently Asked Questions

<p>Will my Cable or Satellite Receiver lose menu information or settings?</p>	<p>Your HiSAVER® will <u>never</u> turn off power to your Cable or Satellite Receiver as long as it is plugged into the designated “ALWAYS ON” outlet and you have electric power from the wall outlet!</p>
<p>Will HiSAVER®’s power saving features</p>	<p>Your HiSAVER® automatically turns off all the</p>

<p>damage my electric appliances?</p>	<p>power to your electric appliances plugged into the energy saving outlets. This is like pulling the plugs out of the wall. No damage can therefore be caused to any of your home entertainment equipment. Your HiSAVER® will in fact help prolong the life of your electric devices.</p>
<p>Does HiSAVER® protect my electric appliances?</p>	<p>In addition to the energy and vampire power saving benefits of your HiSAVER®, it also functions as a 3,180 Joules high capacity surge protector that will safeguard your connected appliances electronics from electricity spikes and thunderstorms.</p>

**9. Troubleshooting**

<p>My TV won't turn on!</p>	<ol style="list-style-type: none"> <li>1. Check to make sure that your HiSAVER® Motion Detection Sensor is not obstructed. If the Motion Detection Sensor can not detect any movement your HiSAVER® will not provide power to the connected electric appliances.</li> <li>2. Check to make sure your HiSAVER® is correctly plugged into the electric wall outlet and that the power cords of your devices are correctly plugged into your HiSAVER®.</li> <li>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 all the connected appliances and unplug the appropriate device. Reset the circuit breaker by pressing down on the "RESET" button.</li> </ol>
<p>My TV takes a long time to display the Electronic Program Guide (EPG) when I turn on the TV!</p>	<p>Make sure that your Cable or Satellite Receiver is plugged into the "ALWAYS ON" outlet (outlet 1) on your HiSAVER®.</p>
<p>My TV appliances turn off while I am watching</p>	<p>Make sure that your HiSAVER® Motion</p>

the television!	Detection Sensor is properly aimed at the place where you sit to watch TV. If the Motion Detection Sensor cannot detect any movement, your TV appliances will be switched off to conserve power.
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**10. Product specifications**

MODEL	Europe with German plug type
	SWE-103E (Europe)
	FOR TV/AUDIO USE
Number of outlets	5
Plug Type	F Type
Electrical rating	AC 230V 16A 50Hz
Cord length Meter/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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