WattSaver
Make every watt count!

What is WattSaver?

We live in a modern world where technology is available at the press of a button or the flick of a switch.

WattSaver is an intelligent power consumption monitoring unit specifically designed to curb the loss of electricity (watts) through everyday power sucking appliances in **STAND-BY** mode.

What is STAND-BY mode?

Almost ALL modern-day appliances go into a 'sleep mode' (standby mode) when not in use, BUT it still keeps on consuming electricity, albeit to a lesser degree, **FOR HOURS ON END!** The "stand-by" power usage of applications can be up to 70% of their "On" power. From your TV, DVD player, Hi-Fi system even to a cellphone charger just left in the plug ... adding to your electricity bill and contributing to the overall green-house effect & CO_2 emmisions.
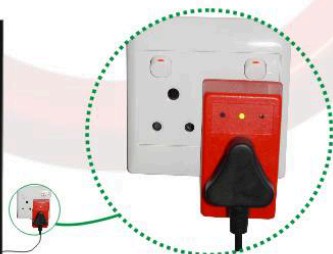
That's where WattSaver comes into play! It intelligently monitors the power consumption of your appliance, and AUTOMATICALLY detects when the specific unit is not in use and cuts off the continuous supply of electricity in standby-mode until you activate the appliance again.

How does WattSaver work?

No installation required! Simply plug the WattSaver unit into an existing electrical wall socket before connecting your electrical appliances. Depending on the power usage, up to 5 devices can be added to a single WattSaver unit, with a maximum total usage of 500 Watts. The device is not suitable for heavy power usage appliances such as vacuum cleaners, which may result in damage to the WattSaver unit.

WattSaver will intelligently detect a drop in power usage within 10 seconds when an appliance is placed in stand-by mode, or when it reverts to stand-by mode, cutting off all electricity supply to the appliance.

Simply use the remote of your appliance to turn the system back on. Press the power button twice - once to activate the WattSaver (depending on the physical placement of the WattSaver, you may have to point the remote at the WattSaver first in order to activate it) and once again to activate the appliance to full power.

Towards a greener planet!

"If we start developing a saving habit today, we will find we are saving more and more in the future. Saving electricity is critical in the long run to save our planet!"
Ms Baleka Mbete
Deputy President - Republic of South Africa

How will WattSaver benefit me?

Studies have indicated that in an average household between 5 - 13% of electricity is wasted by appliances in stand-by mode! By using WattSaver the stand-by electrical usage is reduced significantly. This alone contributes to a substantial saving on your electricity bill, not to mention the bigger global impact on resources and CO_2 emission!

Tests have also shown that you extend your appliances' life by up to 15% by eliminating stand-by power. It also protects your appliance from electrical surges.

WattSaver will pay for itself time and time again and requires a very small initial investment. You have the convenience of using the remote all the time and never need to unplug or switch off any appliance again.

SAVING MONEY, ENERGY AND YOUR PLANET!

Average elecricity usage/appliance in stand-by mode

	Standby (Watts/hour)
Hi-Fi / Stereo	12
Television	11
Video Recorder	1
DVD player	7
Computer + Peripherals	15
Computer Monitor	11
Laptop	2
Broadband Modem	14
Answering Machine	3
Mobile Phone Charger	1-3
TOTAL (Watts/hour)	**78**

These are average figures, depending on various factors such as how efficient your appliances are, make, model, size etc.

If we assume that the above appliances are on stand-by for 22 hours per day, that amounts to 78 watts/hour x 22 hours = 1716 watts or 1,716 kW of electricity/day wasted!

Or 1,716 kW x 365 = 626,34 kW per year wasted!

What about the environmental effect?
The electricity used on standby mode for these appliances alone amounts to an unnecessary **extra 283kg of Carbon Dioxide** that is released into the atmosphere annually!

Together we can make a difference!

The saving for a single household , using the WattSaver unit on only 1 TV set, amounts to about R 66-00 or 83KWatts per year. That might not sound like much, but multiply that with the total number of TV sets in South Africa and the financial as well as the environmental impact is **astronomical!**

For a commercial venture such as a hotel group with +/- 5 300 TV sets, the cost saving implications of WattSaver is much bigger. The cost saving element of WattSaver is detailed in the table below.

	Cost WITHOUT WattSaver	Cost WITH WattSaver
CURRENT DRAW	11.6 watt	0.529 watt
STANDBY PER DAY	20 hours/day	20 hours/day
TOTAL DRAW	11.6 x 20 = 232 watts/day	0.529 x 20 = 10.58 watts/day
	232 x 30 days = 6960 watts/month	10.58 x 30 days = 317.4 watts/month
	6960 x 12months = 83,5kW/year	317.4 x 12months = 3,80kW/year
COST OF USE	6960 watts x R 0.79/kW unit	317.4 watts x R0.79/kW unit
	= R5.50/month	= R0.25/month
HOTEL		
UNITS IN GROUP	5 300 units X R5.50/month	5300 X R0.25/month
	= R29 150.00/month	= R1325.00/month
	= R349 800/year	= R15 900/year

That amounts to a SAVING of R 333 900-00 PER YEAR for a Hotel Group!
* Based on a cost of R 0-79 per kW/unit of electricity

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