A big thank you for taking the decision to reduce your energy use. The planet needs more people like you. If we all do our bit to stop wasting electricity we can significantly reduce our carbon footprint.

The beauty of the ENVI is that it shows you how much energy you are using right now. It also shows you how much your electricity is costing every day and every month.

The ENVI will allow you to take control of your energy use and SAVE Money while helping reduce your carbon footprint.

For more info please visit www.powersave.us
How the ENVI works

The ENVI uses clamps that detect a tiny magnetic field that is created as current moves through power cables. The greater your energy use, the greater the magnetic signature. The clamps are connected to a transmitter that sends a signal wirelessly to the display every 12 seconds. The display calculates the data and shows you how much energy you are using in real time. It also stores your historical energy usage. Data can be exported to your computer and various software programs can graph your usage various ways.

The ENVI monitor is not a substitute for utility supplied electric meters. The ENVI is an informational tool only. Utility electric meters monitor usage full time and are therefore more accurate.

We recommend that you install the display in your kitchen or other area where you can check the display regularly. Over time you will learn more about your energy use pattern and will know when it is higher than normal. As you leave your home or go to bed, a quick glance will confirm that you are not wasting energy.

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ENVI Functions and Features Overview

Before commencing installation please take a moment to review the components, buttons and display functions. Your Standard* ENVI Kit includes:

- One Display Power Supply
- One Transmitter
- Two CT Clamps
- One Display
- Optional - One USB Data cable
- One Installation Guide

IMPORTANT: READ AND FOLLOW ALL INSTRUCTIONS BEFORE INSTALLING YOUR ENVI.

This device is designed to provide years of maintenance-free energy usage information. Since the device monitors whole home energy usage measured through the incoming main electricity feed cables, the installer must have some knowledge of electricity including working on or around wires and power panels. The ENVI monitor does not require you to carry out any electrical wiring. If you have any doubt about how to install it safely consult a qualified electrician. Similarly, if you notice anything unusual about your electricity supply, such as loose wires, exposed cabling, burn marks or holes in the insulating materials, damage to your meter, then stop immediately and consult an electrician or your energy supplier.

*This graph shows relative energy usage between Day (7AM and 3 PM), Eve (3PM and 11PM) and Night (11PM-7AM)

Accumulated energy usage over the past day, week and month. Mode changes every 10 seconds or can be scrolled using the OK button.

Transmitters can send a wireless signal up to 100 feet indoors. You must deduct 10 feet from this range for every wall between the transmitter and the display.
Pair Display to the Transmitter

- Plug display power supply into back of display.
- Plug display into convenient wall outlet.
- Remove plastic battery tab from transmitter.
- The red LED light on the transmitter should be flashing slowly. If not, check the batteries.
- Check the display and compare it to the two images below to determine if the unit is paired.

System is Paired

If the display looks like the image to the left displaying 0.00 and the Electric symbols than a wireless connection is made and the system is paired. You can move to STEP B.

Pairing Needed

If the display looks like the image on the left then it needs to be paired. Proceed to pairing instructions below before going to STEP B.

Install Transmitter and CT clamps

IMPORTANT: THIS DEVICE MUST BE INSTALLED BY A QUALIFIED/LICENCED ELECTRICIAN, UNLESS OTHERWISE PERMITTED BY LOCAL REGULATIONS.

- Locate the two main incoming cables coming from the meter and feeding the main breakers in the panel. They are usually the 2 thickest cables and are normally black or red. A third cable usually thinner and marked with green or white labels is the ground and will not be used.
- Clamp one CT clamp around each main cable. Do not pull or bend the power cables. Make sure that the clamps can move freely and that they do not pinch or apply any undue pressure on the cables.
- Connect the clamp leads to the bottom of the transmitter and make sure that the center input labeled #1 on the transmitter is always connected. The second sensor to the left of the center input. The third input is reserved for 3-phase installations.
- Check the display to ensure that it is reading the signal and that watts are being displayed.
- Re-attach the protective cover and close the panel.
- Turn On the Main Breaker.

Setting the Clock

- Press the OK button for three seconds.
- The screen will clear and clock hours will flash.
- Use the UP or DOWN buttons to adjust the hour.
- Once the correct hour is selected press OK button.
- The minutes will now flash.
- Use the UP or DOWN buttons to adjust the minutes.
- Once the correct minute has been selected press the OK button.

Setting the Base Rate

The unit has been programmed with a default rate of $0.1396 cents per KWh. To find out your local rate, contact your local utility or review your last utility bill and divide the total bill amount / KWhs used. To adjust your rate:

- Push the UP button and hold for three seconds.
- Press OK. The display will flash normal price.
- Press up or down buttons to adjust price on first 2 digits
- Press OK. The display will flash last 2 digits
- Press up or down buttons to adjust price on last 2 digits
- Press OK
Multiple Rate Tariffs

The ENVI can be programmed to calculate different KWh unit rates for electricity consumed at different times of day. In order to program different rates:

- Press and hold the UP and DOWN buttons together until the LED flashes. Then release both buttons.
- Using the UP and Down buttons you can select your low cost rate. Press the OK button to confirm rate. If you do not select a different rate, then you will not see the time section.
- You will see the clock flashing. Using the UP and DOWN buttons you can set the time your low rate starts. Press the OK button to confirm.
- Using the UP and Down buttons you can now select your normal cost rate. Press OK to confirm.
- The display will resume normal operation.

DATA output

- The ENVI will store up to 7 years of historical data. On the back of the display a USB cable can be connected to facilitate both historical and real time data transfer to a MAC or PC.
- When installing the USB cable to the computer make sure you download the appropriate USB driver. Please visit www.powersave.us for more information on available software downloads.
- Once the ENVI is connected to a computer the historical data will transfer automatically at 1 minute past every odd hour, ie 17:01, 19:01 etc. A burst of data is sent once every 10 seconds. History Data is sent for all 10 sensors regardless if they are now present or not.
- A full cycle of history output can be initiated for download on demand by pressing and holding the Down and OK buttons together until the LED flashes. Please note: all processor activity is halted during this download, even the clock, with a lot of history, the download may take some time! Self-resets when done.

Troubleshooting

Your ENVI monitor should reach you in perfect condition. If you have connected it properly but cannot get it to work, please check the following before contacting us for assistance.

<table>
<thead>
<tr>
<th>Problem</th>
<th>Possible Cause</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>No display</td>
<td>Faulty display and/or display power supply</td>
<td>Contact Supplier</td>
</tr>
<tr>
<td>Corrupted display</td>
<td>Faulty display</td>
<td>Contact Supplier</td>
</tr>
<tr>
<td>(incomplete data)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Alternating readings</td>
<td>Display picking up a signal from a neighbors transmitter</td>
<td>Pair your transmitter and display again see Step C</td>
</tr>
<tr>
<td>Data does not change</td>
<td>Incorrect installation</td>
<td>Review quick set-up guide</td>
</tr>
<tr>
<td>Costs reading seems</td>
<td>Correct tariff has not been set</td>
<td>Refer to Steps F and G</td>
</tr>
<tr>
<td>excessively high or low</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Temperature gauge</td>
<td>Display too close to heat source</td>
<td>Choose a different location</td>
</tr>
<tr>
<td>excessively high</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Safety and care of your monitor

- Do not attempt to repair or service any part of the ENVI equipment. Contact our customer service department for assistance.
- Do not immerse the product in water, or any other liquids.
- Do not expose the product to heat, flame, steamy conditions or extreme cold.
- Do not open the equipment or touch any of its electronic circuitry.
- Do not hit, strike or drop the equipment—if the display gets broken, take special care not to touch the liquid crystals.
- Do not use this product for any other purpose for which it was intended.
Limited One Year Warranty

PowerSave Inc. warrants this product for a period of one (1) year from date of purchase for all defects in workmanship or materials to the original user or consumer purchaser. This warranty excludes and does not cover defects, malfunctions, or failures caused by misuse, unauthorized repairs, modifications or accidental damage. All defective parts will be repaired free of charge or replaced.

Note: This warranty does not apply to batteries. This warranty is only applicable to a product purchased through a PowerSave Inc. authorized Reseller. In no event shall PowerSave, Inc. be liable for consequential or incidental damages. This warranty is in lieu of all other expressed warranties. The duration of any implied warranty is limited to the period of the expressed warranty set forth above.

Specifications

NOTE: The display format is not suitable for accuracy checking of utility supplied electric meter.

Specifications

<table>
<thead>
<tr>
<th>Product Size:</th>
<th>9.3cm x 12cm (base) x 15.5 cm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Viewable Screen:</td>
<td>7.3cm x 9cm</td>
</tr>
<tr>
<td>Retail Package Size:</td>
<td>35cm x 17cm x 5.5cm</td>
</tr>
<tr>
<td>Internal Power Requirement:</td>
<td>Mains block adapter (nominal 1.0 watt)</td>
</tr>
<tr>
<td>Display power supply</td>
<td>UL listed.</td>
</tr>
<tr>
<td>Physical Format:</td>
<td>Table-top</td>
</tr>
<tr>
<td>Energy Monitored:</td>
<td>Electricity (gas, LPG, oil in development)</td>
</tr>
<tr>
<td>Receiver:</td>
<td>433MHz SRD band</td>
</tr>
<tr>
<td>Communication Platform:</td>
<td>C2 architecture</td>
</tr>
<tr>
<td>Sensor Coding Recognition:</td>
<td>10 channel (each three input potential)</td>
</tr>
<tr>
<td>Recognition Method:</td>
<td>User Initiated - seeks 4,096 possibilities</td>
</tr>
<tr>
<td>Number of Permitted Sensors:</td>
<td>Ten (x3 input)</td>
</tr>
<tr>
<td>Display:</td>
<td>Liquid Crystal segmented display</td>
</tr>
<tr>
<td>Backlight:</td>
<td>No</td>
</tr>
<tr>
<td>LCD mode:</td>
<td>Positive reflective -12:00 view</td>
</tr>
<tr>
<td>Main services:</td>
<td>Energy, Kwh and Dollars</td>
</tr>
<tr>
<td>Subordinate Services:</td>
<td>Clock time (24hr), room temperature WT</td>
</tr>
</tbody>
</table>

24 hour rolling consumption (bar graph) display (social division into 3 x 8hr periods)
PC connection for streaming data for seven years historical data.
Software code: starting Vx.09
Tariff pre-set at prevailing rate (issued by the purchaser). Adjustable to $99.9


CE Approvals:

(1) 15.105 statement
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

• Reorient or relocate the receiving antenna.
• Increase the separation between the equipment and receiver.
• Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
• Consult the dealer or an experienced radio/TV technician for help.

For more information please visit www.powersave.us
email: info@powersave.us or call: 1(888) 636-0444
PowerSave, Inc. Plantation, Florida