

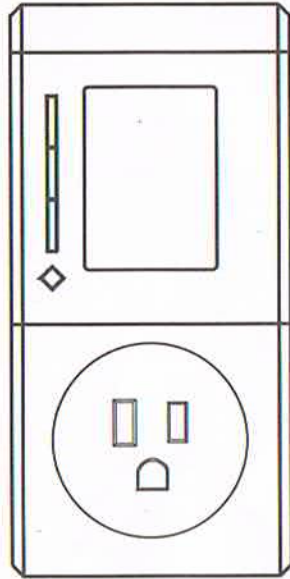
OWNER'S MANUAL

Congratulations on your purchase of a UPM energy meter. Please take the time to read and understand this manual so you can begin to enjoy the energy saving benefits this product has to offer.

FEATURES

- Overload warning
- Energy monitor and energy consumption tracking
- Maximum current and wattage readings
- Energy cost calculation
- Energy usage time

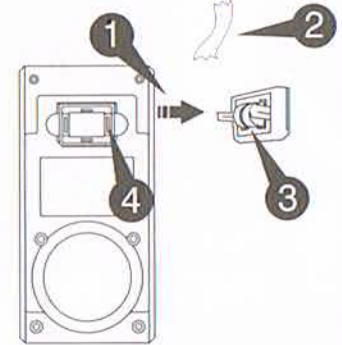
Electronic Energy Meter



GETTING STARTED

Your new energy meter comes with 2 button cell batteries already installed. To begin operation, you must first remove the ribbon from the battery compartment located at the back of the unit. Please follow the steps below to properly remove the black ribbon. **DO NOT** pull or force the ribbon out.

- 1 First, remove the battery cover from the back of the unit.
- 2 Now carefully remove the BLACK ribbon; be careful not to bend any of the metal contacts.
- 3 Ensure the 2 button cell batteries are properly in place, observing proper polarity as marked on the battery cover.
- 4 Replace the battery cover. Take care to properly align the metal contacts with the slots in the battery compartment.



Fresh batteries are required for proper operation of this product. The batteries serve as memory backup for the readouts and settings; and are required for the buzzer to function. For battery replacement, follow steps 1, 3 and 4 as outlined above.

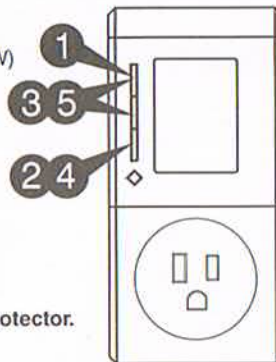
OVERLOAD WARNING

TOP SECTION OF LCD DISPLAY

The overload warning function allows you to safeguard against exceeding a preset load capacity. The 'overload' indicator will flash and the alarm will sound continuously to warn you in the case of an overload.

Setting the overload capacity

- 1 Select overload warning mode using \uparrow .
- 2 Press **OVERLOAD**.
- 3 Toggle between overload in wattage (W) or current (A) using \uparrow or \downarrow .
- 4 Press **OVERLOAD**.
- 5 Adjust the desired parameter value using \uparrow or \downarrow . Press **OVERLOAD** to set each digit.



- * **ATTENTION:**
This energy meter is **NOT** a surge protector.

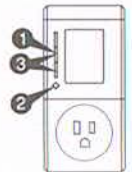
ENERGY CONSUMPTION AND COST

MIDDLE SECTION OF LCD DISPLAY

The price setting function allows you to input the electrical rate in \$/kWh to calculate the total cost of energy consumption.

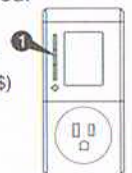
Setting the price of energy

- 1 Select energy price mode using \downarrow .
- 2 Press **PRICE**.
- 3 Adjust the value using \uparrow or \downarrow . Press **PRICE** to set each digit.



Total energy used and total cost

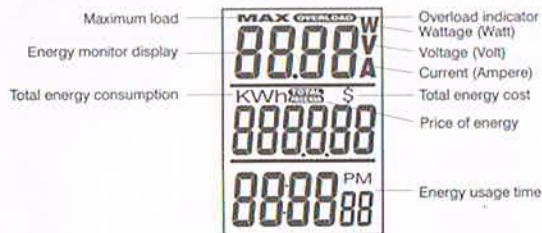
- 1 Press \downarrow to display total energy used and total cost incurred.
 - Total Energy - Total accumulated energy used by the load (kWh).
 - Total Cost - Total accumulated energy cost incurred by the load (\$) based on the user-set price (\$/kWh) and total energy (kWh).



- * Modes are arranged in a circular pattern:
Middle section of the LCD

↻ Total Energy (kWh) → Total Cost (\$) → Energy Price (\$/kWh) ↻

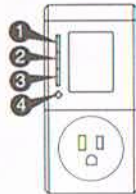
GETTING STARTED



Display

- 1 ↑ - scrolls through line voltage, line current, max current, wattage, max wattage and overload warning mode.
- 2 ↓ - scrolls through total energy, total cost, and energy price mode
- 3 **OVERLOAD** - overload setting
- 4 **PRICE** - price setting

Location of buttons



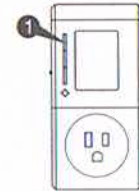
abnormal display

If the energy meter shows an abnormal display or if the buttons no longer function (i.e. unit becomes "frozen"), you must remove the button cell batteries for 3 minutes to reset the unit, and then re-insert. The operation of the energy meter should resume as normal. However, all previous memory and settings will be lost.

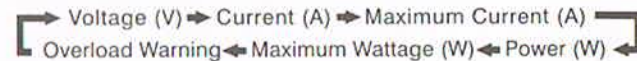
ENERGY MONITOR

TOP SECTION OF LCD DISPLAY

- 1 Press ↑ to display the line voltage, line current, max current, wattage and max wattage readings; displayed in the top section of the LCD
- Line Voltage - voltage (V)
- Line Current - current (A)
- Max Current - max current (A)
- Wattage - real power (W)
where power = voltage x current x power factor
- Max Wattage - maximum wattage (W)

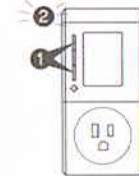


- * Modes are arranged in a circular pattern:
Top section of the LCD



To clear max settings

- 1 Press and hold ↑ and **OVERLOAD** together for 3 seconds to clear max current and max wattage readings.
- 2 Beep indicates that max current and max wattage readings are cleared.



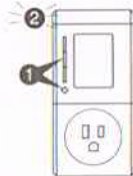
ENERGY USAGE TIME

BOTTOM SECTION OF LCD DISPLAY

The bottom section of the LCD display keeps track of the accumulated energy usage time - "power on" time.

To clear energy usage time/total energy used

- 1 Press and hold ↓ and **PRICE** together for 3 seconds to clear energy usage time and total energy used (kWh).
- 2 Beep indicates that energy usage time and total energy used are cleared.



TROUBLESHOOTING

Problem	Solution
The display is blank, dim or faded when the energy meter is unplugged from the outlet and/or the buzzer is no longer sounding.	Replace old button cell batteries with fresh batteries.
The display shows up abnormal and/or the buttons no longer function (i.e. unit "frozen").	Remove button cell batteries for 3 minutes to reset unit. Then re-insert batteries.

TECHNICAL SPECIFICATIONS

Ratings: 120V AC, 60 Hz, 15 A
Max Load: 1800W

P3 INTERNATIONAL CORPORATION LIMITED WARRANTY

P3 INTERNATIONAL CORPORATION ("P3") warrants to the original retail purchaser only, that its product is free from defects in material or workmanship under the condition of normal use and service for a period of one (1) year from the date of purchase. In the event that a defect, malfunction or failure occurs or is discovered during the warranty period, P3 will repair or replace at its option the product or component part(s) which shall appear in the reasonable judgment of P3 to be defective or not to factory specifications. A product requiring service is to be returned to P3 along with the sales receipt or other proof of purchase acceptable to P3 and a statement describing the defect or malfunction. All transportation costs shall be borne by the owner and the risk of loss shall be upon the party initiating the transportation. All items repaired or replaced thereunder shall be subjected to the same limited warranty for a period of one (1) year from the day P3 ships the repaired or replaced product. The warranty does not apply to any product that has been subject to misuse, tampering, neglect, or accident or as a result of unauthorized alterations or repairs to the product. This warranty is void if the serial number (if any) has been removed, altered, or defaced. This warranty is in lieu of all warranties expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose which are expressly excluded or disclaimed. P3 shall not be responsible for consequential, incidental or other damages, and P3 expressly excludes and disclaims liability for any damages resulting from the use, operation, improper application, malfunction or defeat of any P3 product covered by this limited warranty. P3's obligation is strictly and exclusively limited to the replacement or repair of any defective product or component part(s). Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. P3 does not assume or authorize anyone to assume for it any other obligation whatsoever. Some states do not allow limitation on how long an implied warranty lasts, so the above limitations may not apply to you. It is the owner/user's responsibility to comply with local, state, or federal regulations, if any, that may pertain to P3 products or their use. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

If you experience difficulty in the operation of your unit, or if your unit requires repair please contact:

P3 INTERNATIONAL CORPORATION
TECHNICAL SUPPORT
Tel: 212-741-7289
Fax: 212-741-2288

Email: techsupport@p3international.com