

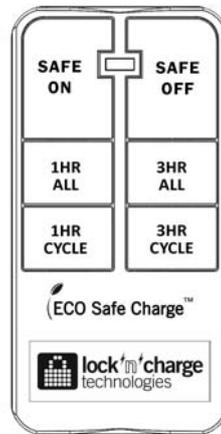
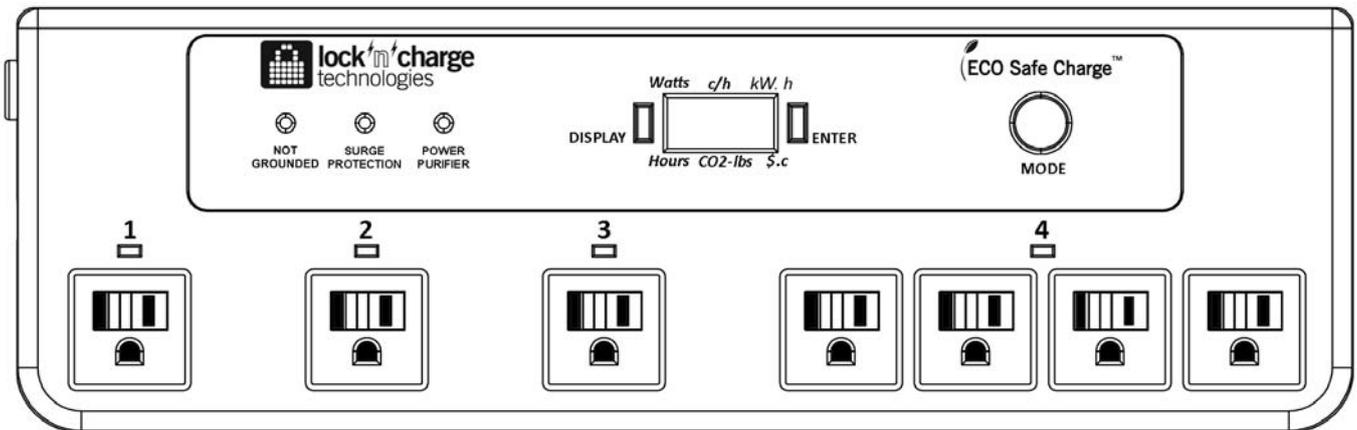
ECO Safe Charge™

For charging multiple banks of laptops safely and efficiently



Instruction Manual

ECO Safe Charge™



ECO SAFE CHARGE™ POWER STRIP
MODEL NO.: ELE1901
 MAXIMUM LOAD: 15A 125VAC 60HZ 1875W
 Maximum resistive load: 15A
 Maximum Tungsten Load: 125 Vac/ 8A (TV-8)
 Maximum Motor Load: 1/2HP 125 Vac
 Power Cord: 15 Feet

ECO SAFE CHARGE™ REMOTE CONTROL
MODEL NO.: ELE1906
 Transmission Radio Frequency 433.92 MHz
 Transmission Range: 100 Feet in open air
 Battery: 1 x CR2032 3.0 Vdc
 Conforms with Part 15 of FCC rules
 FCC ID: Y6FELE1906

ECO SAFE CHARGE™ Power Management System

The remote controlled ECO Safe Charge™ Power Management System has the capabilities to charge multiple laptops and power other electrical equipment safely and efficiently. The intelligent ECO Safe Charge™ Power Management System provides four essential functions:

1. **SAFE-ON:** sequentially stages power to each outlet, reducing the possibility of a momentary electrical overload when multiple laptops are first powered on.
2. **ECO-TIMER-ALL:** sequentially stages power to each outlet but automatically turns the power off after a selected time has elapsed. Use this mode to quickly charge all laptops if it is permissible to charge them together without causing a general electrical overload.
3. **ECO-TIMER-CYCLE:** individually powers each outlet one at a time for the duration selected then automatically turns power off before applying power to the next outlet until it has cycled through all outlets. Use this mode to prevent a general electrical overload if all the laptops require more power than is permitted to be supplied to all laptops together.
4. **SAFE-OFF:** this function turns off all outlets..

Using the ECO-TIMER™ functions gives you the possibility of reducing your energy consumption, reduce carbon emissions, extend the life of your laptop batteries and reduce your power bills.

The ECO Safe Charge™ also features an LCD display, allowing you to monitor energy consumption, carbon emissions, and the amount of money it costs to charge laptops and run connected appliances.

For more information visit the Lock 'n' Charge Technologies website at www.lockncharge.com

Lock 'n' Charge Technologies' ECO Safe Charge, SAFE ON, SAFE OFF and ECO Timer are Trademarks of Lock 'n' Charge Technologies Pty Ltd. ECO Safe Charge is Patent Pending.

SAFETY INSTRUCTIONS

For your safety - Discard the Power strip if the plug top, supply cord or enclosure is damaged.

To reduce the risk of fire, electrical shock and/or injury, the following basic precautions should be followed:

- o This device is not intended for use by persons (including children) with reduced physical, sensory and mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instructions concerning the use of the device by a person responsible for their safety.
- o Children should be supervised to ensure that they do not play with the devices.
- o For indoor use only. Keep away from all sources of water or moisture. Never expose the devices to the rain or dangerous gas.
- o Do not overload. The maximum resistive load is 15Amps, 1875W.
- o Before using the product, check and make sure the electrical appliances are correctly and properly connected and installed according to the requirements of those appliances.
- o Remove the plug top from the main outlet before cleaning. To unplug the plug top, always grasp the plug and pull from the main outlet. Never pull the cord.
- o Do not operate any appliance with damaged cord or plug.
- o Do not try to repair, disassemble or modify the devices. There are no user-serviceable parts inside.
- o Do not use the product other than for its intended use.
- o The power strip is intended to be plugged in or connected to a 125V a.c., 60Hz and grounded power supply only.
- o Arrange the power cord away from traffic areas where it will not be tripped over.
- o The power strip may be warm during working. Keep it in a dry and cool place and do not cover.
- o Although the outlets are OFF, the power strip is powered when the main supply is connected and switched on.

PAIR THE REMOTE TO THE POWER STRIP

1. Pressing and holding down the MODE button for more than 3 seconds in SAFE-OFF mode will put the power strip into pairing mode.
2. The MODE indicator will flash quickly when you are in pairing mode. If there is no valid ID received within 20 seconds, the power strip will exit from the pairing procedure and pairing will need to be re-done.
3. Pressing any button on the remote control will send its ID to the power strip and overwrite any previous ID stored. The MODE indicator will then turn OFF and your remote will now be paired to the power strip.

Notes:

- o One remote control can be paired with multiple power strips.
- o One powered strip can only be paired with one remote control.
- o The state of the MODE indicators and outlets are unchanged during pairing.
- o The stored ID will survive removal and replacement of the remote control battery and power loss to the power strip.

Tips for using the Remote Control:

- o Line of sight from the Remote Control to the power strip is not required. The control signal can pass through walls and ceilings.
- o As with all RF transmitter devices, electrical fields, metal doors and motor devices can decrease the strength of the transmit control signal. Reorienting the Remote Control may increase the control range.
- o It is not guaranteed that every control signal sent out by the Remote Control will be received by the power strip. Check to make sure that the related appliances have responded after your press any button on the Remote Control.
- o Do not press the button on the remote too rapidly.
- o If the LED indicator of the Remote Control dims, replace the battery.

USING THE POWER STRIP WITH THE REMOTE

1. Pressing the SAFE-ON button on the remote control will turn ON all the outlets sequentially and will remain on until any other mode is set.
2. Pressing the 1HR-ALL or 3HR-ALL buttons on the remote control will activate ECO-TIMER_ALL mode.
 - a) All the outlets will turn on sequentially and will turn off automatically after one or three hours has elapsed respectively.
 - b) The MODE indicator will flash the number of times corresponding to the specific button pressed to reflect the timer duration. Ie pressing the 3HR-ALL button will result in three flashes, corresponding to a 3-hour timer duration.
3. Pressing the 1HR CYCLE or 3HR CYCLE buttons on the remote control will activate ECO-TIMER-CYCLE mode. This function cycles each outlet on the power strip, giving it a set amount of charge time.
 - a) The time duration is determined by the specific CYCLE button pressed. Ie 1HR-CYCLE button corresponds to 1-hour timer duration,
 - b) When the timer duration has elapsed the outlet will be turned OFF and the next consecutive outlet will turn ON automatically.
 - c) The MODE indicator will flash the number of times corresponding to the specific CYCLE button pressed to reflect the timer duration. Ie pressing the 3HR-CYCLE button will result in three flashes, corresponding to a 3-hour timer duration.
4. Pressing the SAFE-OFF button on the remote control will put the power strip into SAFE-OFF mode cancelling any other mode.

USING THE POWER STRIP WITHOUT REMOTE

Setting the operating mode without the remote control:

1. Pressing the MODE button consecutively will cycle the power strip through its different operating modes in this sequence; SAFE-ON to ECO-TIMER-ALL to ECO-TIMER-CYCLE to SAFE-OFF and repeating from the start.
2. The MODE indicator will indicate the operating mode of power strip;
 - a) In SAFE-ON mode the MODE indicator will be on continuously.
 - b) In ECO-TIMER-ALL mode, each outlet will turn on sequentially and the MODE indicator will flash the number of times corresponding to the programmed timer duration. Eg Three flashes indicates a 3-hour setting.
 - c) In ECO-TIMER-CYCLE mode, only one outlet will turn on and the MODE indicator will flash the number of times corresponding to the programmed timer duration. Eg One flash indicates a 1-hour setting.

NOTE: The outlet indicator will show the outlet that is ON;

- o If the outlet is powered OFF the outlet indicator will be OFF.*
- o If the outlet is powered ON, the outlet indicator will be ON.*

- d) In SAFE-OFF mode, the MODE indicator will be OFF.

Setting the programmed timer duration in ECO-TIMER-ALL or ECO-TIMER-CYCLE modes:

1. When the power strip is in ECO-TIMER-ALL mode, pressing and holding the MODE button on the power strip for 3-seconds will allow the programmed timer duration to be changed.
2. After 3-seconds have elapsed the MODE indicator will flash quickly.
3. Continuing to hold the MODE button down will cycle the programmed timer duration through this sequence, pausing for 3-seconds between each outlet;
 - o 1-hour (outlet #1 indicator will illuminate),
 - o 2-hours (outlet #2 indicator will illuminate),
 - o 3-hours (outlet #3 indicator will illuminate),
 - o 4-hours (outlet #4 indicator will illuminate), and repeat from the start.
4. Release the MODE button on the desired Time setting. Eg If you want the ECO-TIMER-ALL to charge for 2 hours, release the MODE button when Outlet #2 is illuminated.
5. The MODE indicator will flash the number of times corresponding to the number of hours programmed. Eg Two flashes indicate a two hour setting.
6. The programmed timer duration will survive any loss of power.

EARTH DETECTION, SURGE PROTECTION AND POWER PURIFIER



**NOT
GROUNDED**

NOT GROUNDED: If the wall outlet is not ground wired properly, the NOT GROUNDED light will turn on. At this point unplug the ECO Safe Charge™ Power Management System and consult a qualified electrician.



**SURGE
PROTECTION**

SURGE PROTECTION: The ECO Safe Charge™ Power Management System provides full line surge protection to the appliances plugged in. When this feature functions properly, the SURGE PROTECTION light is illuminated. If the light is off, the surge protection is not operating properly and the appliances may not be protected.



**POWER
PURIFIER**

POWER PURIFIER: The ECO Safe Charge™ Power Management System provides clean filtered power to the outlets, rejecting noise from the AC power line. This will enhance the performance of the appliances plugged in.

TO OPERATE THE LCD DISPLAY

Press the DISPLAY button step by step and the LCD screen will display *watts, hours, kW·h, dollars \$, and CO2-lbs* in sequence.

Watts



Instant Wattage - Watts: The LCD screen displays the instant total wattage of all the appliances plugged in including the power strip itself. The figures flash every second.

¢/h



Hourly Running Cost - ¢/h: The LCD screen displays the hourly running costs based on the Instant Wattage of all the appliances including the power strip itself.

kW·h



Cumulative Energy Consumption - kW·h: The LCD screen displays the accumulative energy consumed by all the appliances including the power strip itself starting from when the power strip was powered.



Cumulative Energy Cost - \$: The LCD screen displays the total running cost in dollars and cents starting from when the power strip was first powered. The power rate is preset at 9.74 cents/kW·h (2008 USA average figure).



Cumulative Carbon Emissions - CO2-lbs: The LCD screen displays the total CO2 emission in pounds starting from when the power strip was first powered. The CO2/kWh is preset at 1.33 pounds/kW·h (2008 USA average figure).



Cumulative Running Time - Hours: The LCD screen displays the total time in hours and minutes since the power strip was powered.

Hours

The figures of *kW·h, \$, CO2-lbs and Hours* will all be reset to zero when one of the figures meets its maximum, and all start again.

Set the Power Rate in cents ¢ per kW·h for the digital Power Meter



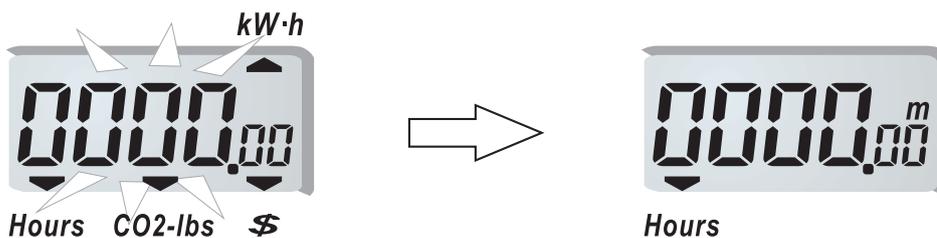
1. In \$ display, press and hold the ENTER button for 3 seconds to enter the setting of power rate in cents per kW·h. The first figure will begin to flash
2. Press the DISPLAY button to scroll through the digits. Once you are happy with the digit selected, press the ENTER button to select it. Once selected the next figure will begin to flash
3. Follow step 2 to complete the selection of the other digits
4. After the last digit is selected, the new power rate is set and will flash two times. Then the meter will return to \$ display, showing the total cost at the new power rate

Set CO2 emissions in pounds per kW·h for the digital Power Meter



1. In CO2-lbs display, press and hold the ENTER button for 3 seconds to enter the setting of CO2 emission in pounds per kW·h. The first figure will begin to flash
2. Press the DISPLAY button to scroll through the digits. Once you are happy with the digit selected, press the ENTER button to select it. Once selected the next figure will begin to flash
3. Follow step 2 to complete the selection of the other digits
After the last digit is selected, the new CO2 emission is set and will flash two times. Then the meter will return to CO2-lbs display, showing total CO2 emissions in pounds at the new CO2/kW·h rate.

To Reset the Cumulative Figures



In the Hours display, press and hold ENTER button for 3 seconds, the triangles pointing to kW·h, \$, CO2-lbs, Hours begin to flash together with 6 figures of zero. The meter will return to Hours display after the release of the ENTER button.

WARRANTY

Lock 'n' Charge Technologies warrants the product to be free of defects in design, materials, assembly and craftsmanship for a period of twelve months from the date of purchase to the original retail purchaser. Evidence of original purchase will be required to obtain warranty service.

In the event that a defect, malfunction or failure occurs or is discovered during the warranty period, Lock 'n' Charge Technologies will repair or replace, at its option, the products which in the reasonable judgment of Lock 'n' Charge Technologies are deemed defective. All transportation costs shall be borne by the owner and the risk of loss shall be upon the party initiating the transportation.

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. The 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. In no event will Lock 'n' Charge Technologies, their directors, officers, employees, or agents be liable for any harm, consequential, incidental, third party, special or indirect damages whatsoever arising out of the use or inability to use the products even if Lock 'n' Charge Technologies has been advised of the possibility of such damages. Lock 'n' Charge Technologies' obligation is strictly and exclusively limited to the replacement or repair of any defective products. 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.

COMPLIANCE STANDARDS

ECO Safe Charge™ conforms to US and Canada Safety Standards: UL1363, UL498

The Surge protection components are UL listed to UL1449

The EMI/RFI components are UL listed to UL1283

The remote and ECO Safe Charge™ power strip conform to part 15 of FCC rules with limits for a Class B digital device. These limits provide reasonable protection against harmful interference, and the operation is subject to the following:

1. This device may not cause harmful interference
 2. This device must accept any interference received, including interference that may cause undesired operation
- Both the remote control and the power strip are designed with sophisticated protocols to prevent undesired operation in normal use.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the device.



ID: Y6FELE1906



WEEE Directive & Product Disposal



At the end of its serviceable life, this product should not be treated as household or general waste. It should be handed over to the applicable collection point for the recycling of electrical and electronic equipment, or returned to the supplier for disposal.



www.lockncharge.com

