

PeakSave Owner's Manual



positive energy

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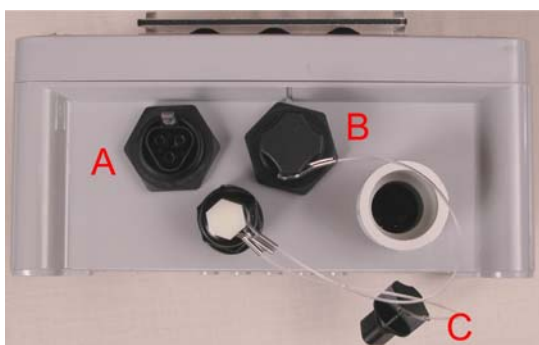
1. Overview

PeakSave is a device that helps to manage peak demand by allowing ENERGEX to switch off your pool pump to conserve electricity during some peak periods. During the trial, this will occur up to 15-20 times a year between the peak periods of 3 - 8pm (for up to 4 hours). By taking part in the trial you are helping to explore ways for the sustainable management of peak electricity demand in your local community.

This manual acts as a reference for owners on the features and operation of the PeakSave.

2. Safety

- The PeakSave has been tested and certified to all required Australian Standards: AS 3197, AS 3100, AS 3136 and AS 61000.4.5.
- If the power cord is damaged, please contact the power cord manufacturer.
- If the fuses are damaged, please contact ENERGEX.
- Refer to 3.2 for information on safe disconnection.
- If power cord becomes disconnected from the outlet, please insert a sealing plug to prevent water damage (see diagram below).



- A - Output
- B - Output (with sealing plug attached)
- C - Unattached sealing plug

3. Installation

3.1 Connection

- The PeakSave must be installed by a qualified electrician.
- Installation instructions are not included with this manual.
- During installation, the electrician will remove the standard power plugs from your pool equipment, and replace them with weatherproof power connectors.
- Your pool equipment will now only be plugged into the PeakSave and not into a standard electricity outlet.

3.2 Disconnection

If you are instructed to disconnect the PeakSave you will need to:

- Hold down the boost button for 15 seconds
- The yellow TIMER LIGHT on the top panel will be blinking
- It is now safe to unplug the cord from the bottom of the Peaksave
- To disconnect, remove the plug by gently pressing on the grey locking tab with a pen and gently pulling the plug away (please see diagram below).



4. Parts



Front, side and underside of PeakSave

- 1 - Output connectors
- 2 - Timer buttons
- 3 - Timer display
- 4 - Boost button
- 5 - Outlet plug (this plugs into your pool equipment).

5. Operation

5.1 *Peak hours*

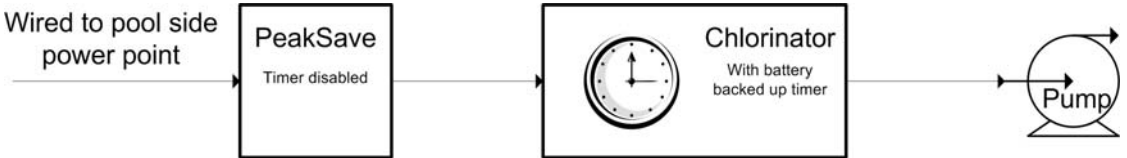
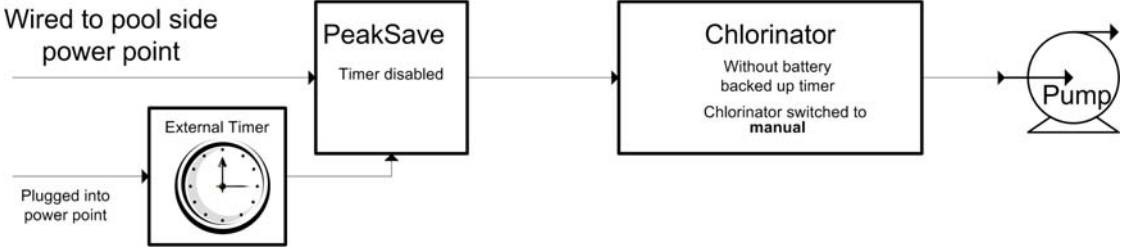
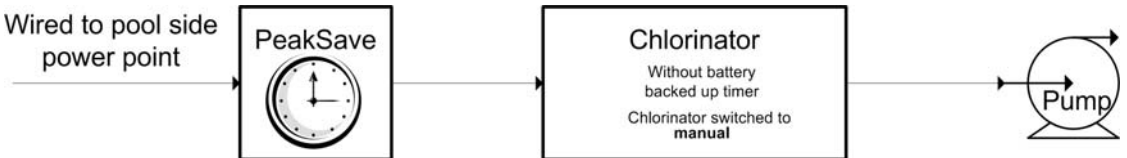
- Your pool equipment will operate dependant on when ENERGEX sends signals to PeakSave telling it to turn ON or OFF.
- This will only occur on approximately 15 – 20 days each summer throughout the trial.
- This will occur between the peak demand times of 3 – 8pm.
- Pool operations will be not be off for any longer than 4 hours at time.
- The BOOST button will allow you to override the ENERGEX signal if you need to turn your pool filter on. Please refer to section 5.5.

5.2 *Off-peak hours*

- During off-peak hours, you will be able to operate your pool at your discretion.

5.3 Pool timer options

At the time of initial installation, the electrician present will assess the most appropriate timer option to suit your needs and indicate in the checkbox on the left which one you have. The options are as follows:

<input type="checkbox"/>	<p>5.3.1 Existing chlorinator timer</p>  <p>If your existing chlorinator timer is battery backed up and reliable you can continue to use it. This means you will not be required to operate the timer functions on the PeakSave.</p>
<input type="checkbox"/>	<p>5.3.2 Existing external timer</p>  <p>If you currently use your own timer, you can continue to use it. This means you will not be required to operate the timer functions on the PeakSave.</p>
<input type="checkbox"/>	<p>5.3.3 PeakSave timer</p>  <p>The PeakSave has an inbuilt timer which can provide flexible timer functions to help manage your pool operations. If you use this option, please refer to section 5.4 for instructions.</p>

5.4 Using the PeakSave timer

5.4.1 Enabling the timer

When power is first connected to the PeakSave, the clock will be disabled and the display will read:



Internal Timer
Di sabl ed

Press the MODE button. The clock display will read:



Press Up to
Enabl e Timer

Press the UP button. The display will now read:



Internal Timer
Now Enabl ed

This message will display for 5 seconds. The display will then read:



Current Time
12:00 AM

To change the time, push the MODE button once. The display will read:



Set Time
12:00AM

- The hour digits will now be blinking.
- Push the UP or the DOWN button to scroll through to the required hour.
- Push the MODE button to jump to the minute digits.
- Push the UP or the DOWN button to scroll through to the required minute.
- Push the MODE button again.
- The CURRENT TIME has now been set. The display will now show:



Timer A ON
Di sabl ed

- This is the first of four pool pump timers you can programme to suit your needs.
- To set the ON time push either the UP or the DOWN buttons - the display will show the hour digits blinking.
- Scroll through to the required hour.
- Push the MODE button to jump to the minute digits. The minute digits will flash, push the UP or the DOWN button to scroll through to the required minutes. Push the MODE button again.
- The TIMER A ON time has now been set. The display will now show:

Timer A OFF
Disabled

- To set an OFF time push either the UP or the DOWN buttons.
- The display will show the hour digits blinking, scroll through to the required hour.
- Push the MODE button to jump to the minute digits. The minute digits will flash, push the UP or the DOWN button to scroll through to the required minutes. Push the MODE button again.
- The TIMER A OFF time has now been set. The display will now show:

Timer B ON
Disabled

- If you wish to input other times to run your pool pump (throughout a 24 hour period), continue to programme Timer's B,C & D in the same way as described above.
- If you decide to discontinue using or want to turn off a Timer, scroll through the hour digits until you find the DISABLED function.
- DISABLED needs to be displayed underneath both the ON and OFF settings of the Timer you wish to discontinue use of.
- If you do not wish to input any other times continue to push the MODE button to scroll through all the Timer's until CURRENT TIME is displayed.

5.4.2 Disabling the timer

To disable the timer (including all pre-set A,B,C&D 'ON/OFF' functions) the display needs to be showing:

Current Time

Press the MODE button repeatedly to scroll through all the pre-set A,B,C ON and OFF Timer functions. After you have scrolled through the TIMER D ON and OFF functions the display will read:

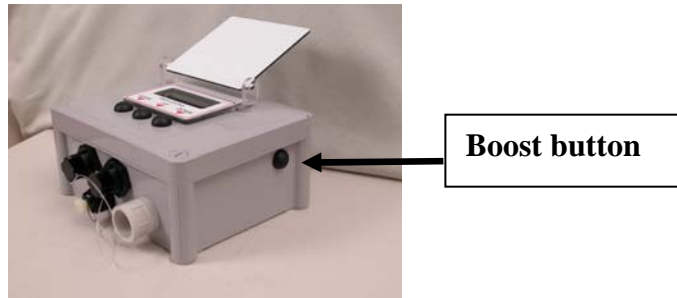
Press Down to
Disable Internal Timer

- Pressing the DOWN button will completely disable the Internal Timer Control unit.
- If power is still connected to the PeakSave but the Internal Timer Control unit is disabled the pool pump will run continuously according to the signal sent to the PeakSave from ENERGEX, unless there is an external timer or control connected to the PeakSave. In this instance the PeakSave will obey the external timer or control. The display will read:

Timer
Disabled

- If you wish to disable all timer functions (leaving the pool pump continuously off) simply disable all Timer A,B,C&D options except for TIMER A OFF which you should set to 12:00AM.

5.5 Boost button functions



There is a BOOST button on the right hand side of the PeakSave which can be used to:

5.5.1 Override ENERGEX signal

- Pressing the Boost button once (for several seconds) will turn your pool equipment on for up to 1 hour, regardless of the signals sent by ENERGEX.
- The BOOST light on top of the PeakSave will turn on to indicate that you are operating in BOOST mode.
- Pressing the button again will return the pool equipment back to normal operation.
- The PeakSave will allow you to use 1 hour of “BOOST” in any 4 hour period.
- If you have used your entire BOOST allowance, the BOOST light will start blinking. You cannot use BOOST mode again until this light stops blinking.

5.5.2 Allow for disconnection of the PeakSave

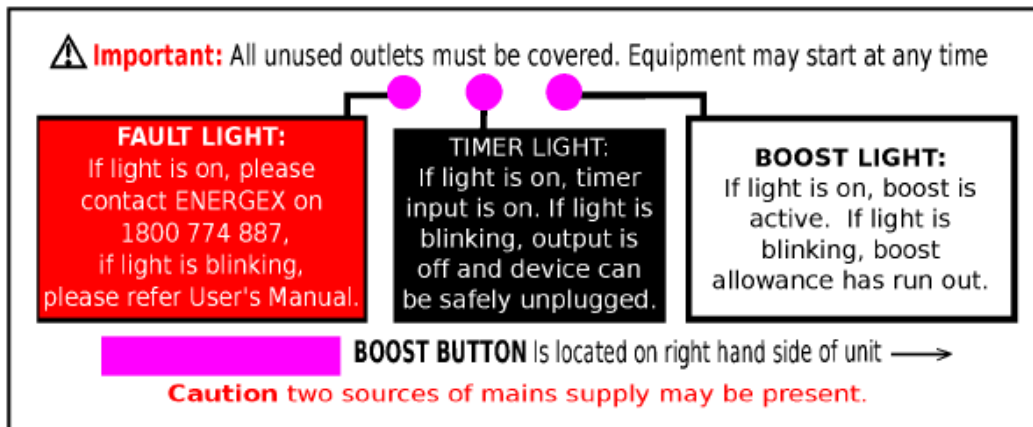
- Hold down the BOOST button for 15 seconds.
- The yellow TIMER light on top of the PeakSave will be blinking.
- This indicates that the PeakSave can now be disconnected safely.
- Remove the cord at the bottom of the PeakSave.

5.5.3 Reset the PeakSave

- If there is a mechanical fault with the PeakSave, the red FAULT light on the top panel will be blinking.
- Please contact a local pool repair store to remove the source of the fault (eg: obstruction in the filter).
- Press and hold the BOOST button for 60 seconds.
- The PeakSave is now completely reset.

6. Trouble shooting

Please refer to top panel of the PeakSave for light display.



	FAULT LIGHT (Red)	TIMER LIGHT (Yellow)	BOOST LIGHT (Green)
Light off	No action required.	Timer input is currently off.	Boost function not currently being used.
Light blinking	PeakSave has been over loaded. There may be a problem with your pool filter or chlorinator. Please call your local pool repair store. After repairs, you will need to press and hold the Boost button for 60 seconds to reset.	The output of the PeakSave has been turned off and it is now safe to unplug the chlorinator/ pump.	The one hour boost allowance has been used for current 4 hour period.
Light on	The PeakSave has developed a fault. Please call ENERGEX.	Timer input is on. ENERGEX may start the pump at any time.	Boost mode is active and pump should be running.

7. Contact Details

If you require further assistance, please contact the ENERGEX Cool Change Team on:

Phone: 1800 774 887