Thank you and congratulations for purchasing your new Energy Saviour® energy saving device! In just a short while you will be ready to reduce your energy bills by up to 35%. Individual savings do vary, so to maximise your energy savings please read these instructions carefully before installing the device.

The DFx Team.

Important Information:

WARNING: The Energy Saviour® device only switches the 'live' on and off, it does not isolate the attached cooler. The cooler must be unplugged from the Energy Saviour® device before any maintenance work is carried out. The operating voltage is limited to 207-250V AC. Do not use outside this range. The maximum output current is 13A. The Energy Saviour® device is suitable for indoor use only. To prevent fire or shock hazard, do not expose the Energy Saviour® device to rain or moisture. To avoid electrical shock do not open the device.

The Energy Saviour® is suitable for controlling one cooler only, under no circumstances should multiple coolers be connected to a single device, this will overload the device and could lead to an overload situation.

There are no user serviceable parts inside.

Ensure that the cooler plug is inserted fully into the Energy Saviour® device and ensure that the Energy Saviour® device is inserted fully into the power socket. The user should determine the applicability of this device for their equipment and product range.

DFx Technology Ltd. accepts no liability for loss, damage or injury of any kind arising from any inappropriate use of this device.

The amount of energy saved is dependent upon the establishment's trading hours, individual savings will vary.

Specifications
- Input voltage 207-250V AC 50Hz
- Maximum load: 13 amps
- Maximum power output: 3,000 Watts
- Dimensions: 130.0 mm (H) x 59.0 mm (W) x 80.0 mm (D)
- Weight: 217g

App Devices supported
- Android 7.0 onwards
- iOS 10.0 or later

Key Features:
- Plugs into 13 Amp 230V AC socket.
- Cooler plugs into 13 Amp socket on device.
- Real-time clock with automatic daylight-saving adjustment.
- 7-day, 14 period programmable timer.
- Setup up your Energy Saviour® and check your savings via an Android or iOS app.
- Override function.
- Line Clean mode.
- Adaptive technology.

Operation

Teach Mode: When first installed, the Energy Saviour® device starts in 'Teach Mode' and monitors the power consumed by the cooler unit over a period of 7 days. The cooler must be left switched on continuously during this period. This gives the Energy Saviour® device the opportunity to monitor typical energy usage and compressor cycling within your outlet so it can work out a benchmark against which to report its daily savings. During this period the device will not turn off the cooler. After the seven days in Teach Mode, the Energy Saviour® device will switch automatically into energy saving Normal Mode.

Please note, should the power supply to the Energy Saviour® device be interrupted for more than 3 hours whilst in 'Teach Mode', the 'Teach Mode' will fail, and the process will automatically restart when power is restored. Please try to ensure that this does not occur during the first week to start saving as quickly as possible.

Normal Mode: When operating in Normal Mode, the Energy Saviour® device controls the operation of your cooler to deliver energy savings.

By using advanced 'learning' software algorithms, the device optimises the cooler control process on a continuous basis so that the system can adapt to a greater or lesser energy demand should circumstances change. This, in turn, means that it maximises your energy savings. Using its highly accurate, built-in power meter it accurately measures the reduction in power consumption of your cooler against the benchmark established during the Teach Period in order to calculate your savings based on the electricity tariff entered into the unit. You can view these savings at any time on your phone or tablet app.

Additional Features

Override Mode:

An override facility is provided in case of an extended trading period. This turns the cooler on continuously until the next programmed trading session begins.

Cleaning Mode:

Selecting the 'Clean Mode' from the app, will place the Energy Saviour® device into 'Clean Mode'. This will switch off the cooler for 2 hours to allow for line cleaning, this can also be cancelled using the app by pressing the Override button. After this, normal energy saving operation will resume.

Python Refresh:

With this function enabled, even if the cooler has been turned off by the Energy Saviour® device to save energy during non-trading hours, the cooler will be periodically switched on to allow for the recirculation of cooling water in the python. This is selectable in the app for 15, 30 or 60 minute intervals.

Bath Refresh:

During days when the Energy Saviour® has not been programmed to come on the connected cooler will still come on for a limited period to rebuild the ice bank so that subsequent python refreshes can be carried out without the ice bank being completely depleted.

Care & Cleaning

Protect the Energy Saviour® device from adverse conditions.
The Energy Saviour® device is not waterproof and should not be exposed to moisture.
Do not drop the Energy Saviour® device.
Do not expose the Energy Saviour® device to sprays, liquids, or solvents.
Clean the exterior of the Energy Saviour® device by removing dust with a dry cloth.
Do not use abrasives to clean the Energy Saviour® device.
Do not use chemical cleaning agents to clean the Energy Saviour® device.

App

The Energy Saviour communicates with the App using Bluetooth low energy technology and has a limited range. So, to communicate with the device reliably, make sure that you are within 5 metres of it to ensure that you get a good signal.
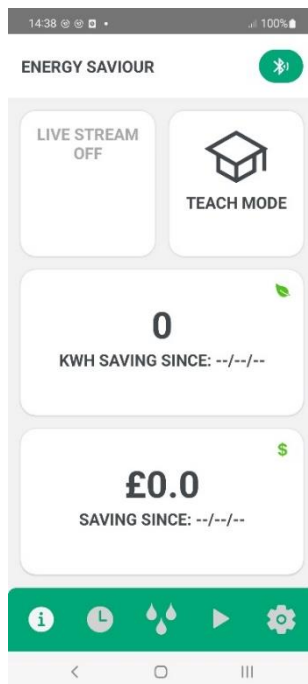

For Apple users head to the App Store and search for Energy Saviour®
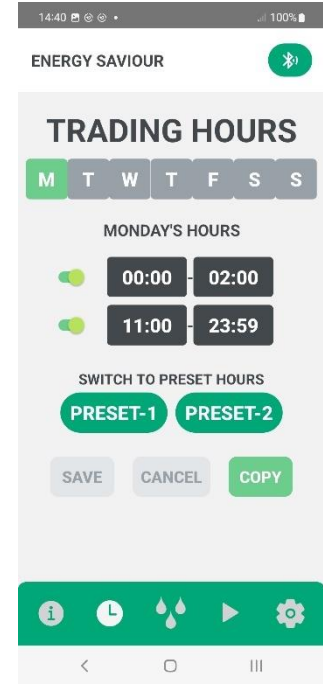

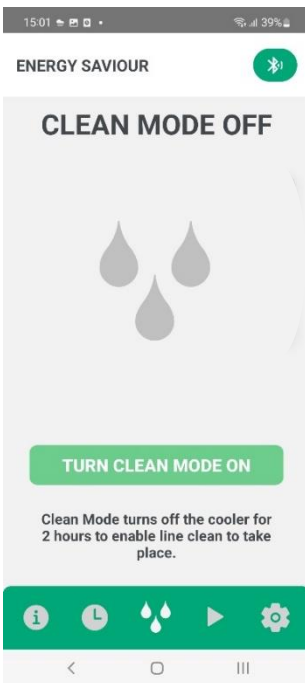For Android users head to the Play Store and search for Energy Saviour®

Press the Red BLE button to scan for devices then select the device you wish to connect to.
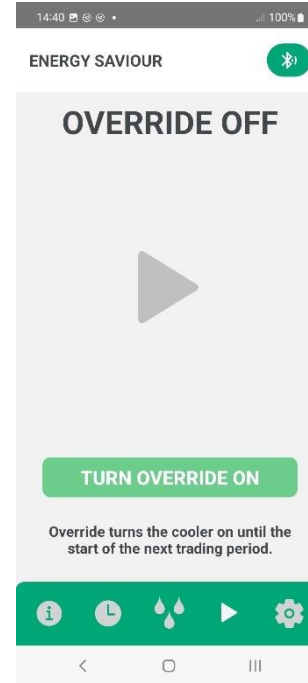

Track your energy saving from the app. Select an option from the menu at the bottom of the screen. Note savings will not be displayed until the unit is running in Normal Mode
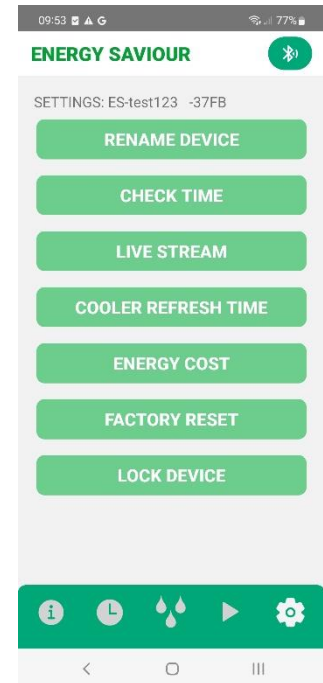

Set your daily trading hours or select a pre-defined preset (which can then be edited further). Save the settings to upload the new settings to the Energy Saviour® device

Press the Clean button to put the cooler into standby for a couple of hours to enable the cleaning process to take place.

Press the Override button to bring the cooler out of standby to allow for additional cooling to take place when trading hours are unexpectedly extended.

Press the Settings button to bring up the available options. Live data will give a value of line voltage and the connected cooler power consumption in real time. The lock function can be set so that the settings cannot be adjusted without unlocking the device first. Keep a note of the code.