

Power7 timer

POWER 7 - Setting and Operating Instructions

The **Power 7** is a 7 day Timer that through the Menu system allows for the automated recharging of the Laptops stored in this LapCabby. The recharging period should be performed from 1am until 8am providing a 7 hour period on Lower Tariff Electricity commonly known as 'Economy 7'. This effectively means that no energy will be used in the LapCabby during normal school hours unless the Manual charging feature is activated.

The **Power 7** also sequentially turns on each Power Extension Strip in turn to avoid mains overload.

If the power is interrupted during a charging period, on resumption of power the charging will continue and finish at the set time.

Setting the Power 7

1. Fit the UK 3 pin Plug into a suitable socket and switch the unit on at the socket. The Screen will illuminate and display **Day, Time and Date**. (The Day, Time and Date may not be correct at this stage).

2. To set the **Power 7** follow the instructions below:-

Press down on the 3 buttons at the same time and hold for a few seconds until the display shows '**Settings Menu**' wait a few seconds and it will change to '**Set time**' press the + or - button to set the time. (Hold the button down and after 8 seconds the speed of change will increase). The timer is based on the 24 hour clock. When you have set the desired **Time** press the middle button once.

The display now shows '**Set Date**' if the Date is not correct use the + or - buttons as before to set the date. When you have set the desired date press the middle button once.

The display now shows '**Set day**' if the Day is not correct use the + or - buttons as before to set the date. When you have set the desired day press the middle button once.

The Display now shows '**Start**', a '**day**' and a '**time**' this refers to the recharging start time use the + or - buttons as before to set the time. The recommended time would be 1am (01:00:00) This is the default setting. When you have set the desired time press the middle button once.

The Display now shows '**Duration**', a '**day**' and a '**time**' the time refers to how long the recharging period should last. The recommended time would be 7 hours (07:00:00). This is the default setting. When you have set the desired **time** press the middle button once.

The Display now shows '**Start**', the '**next day**' and the '**time**' simply repeat the process for each day until all days have a start time and a duration. (Tip - to save unnecessary recharging set Saturday and Sunday to start time 00:00:00 and Duration to 00:00:00. Pressing the 2 outer buttons together and then releasing will set the display to 00:00:00).

Ensure Monday is set at **Start time** 01:00:00 for a **Duration** of 07:00:00 hours and all laptops will be fully charged ready the start of the school day. When you have set the all the desired Times and Durations press the middle button once.

The Display now shows '**Man charge time**' this refers to **Manual Charging Time**. Set this to 02:00:00. This is the default setting. Most modern laptops will be recharged during this period but it can be changed if required. Should a recharging of the laptops be required during the normal school working hours it can easily be activated. (How to activate will be covered later). When you have set the desired time press the middle button once.

The Display now shows '**Daylight saving on**' for the UK this should always be **On**, to switch off press + or - button. When you have set the desired setting press the middle button once.

You have now set the **Power 7** timer unit. The Display should now show the correct **Day, Time and Date**. If you need to reset any feature go back to the start of the instructions and press all 3 buttons together to go back through the Menu System. **You can get out of the Menu System at any time by pressing and holding down the centre button for a few seconds.**

Activating the '**Manual charge time**' can be done any time during normal school hours by simply holding down the 2 outer buttons together for a few seconds. The display will show '**Manual charge**' it will also display the Duration time previously set (02:00:00), the time will also count down until the charging duration has ended. When activated you will hear clicks a few seconds apart this is the sequential switching on of the Power Extension Strips as described earlier. The light on each Power Extension Strip will glow red. To stop the Manual Charge at any time press and hold the centre button for a few seconds.

The clicks will also be heard when the unit switches on for the overnight charging and the light on each Power Extension Strip will also glow red. The Display will show '**Charging**'.

During the overnight charging period the charging can be paused by pressing the centre button for a few seconds, the Display will show '**Pause Charging?**' **Yes, No** press the + or - button to select your choice. If **Yes** is selected the screen will display a '**P**' in the top Right Hand Corner of the Display Screen. To return to charging press the centre button the display will show '**Enable charge**' use the + or - button to make your selection. If no selection is made after 30 seconds it will return to '**Charging**'.

Auxiliary Power Supply - this is a Factory fit option which will power a 3 pin power socket inside the LapCabby. This socket will be powered only when no charging is taking place ie during normal school hours apart from when the '**Manual Charging**' is activated but the power socket will remain powered.

Important Note - during overnight charging the Auxiliary socket will be switched off saving energy, electrical items that need to be under constant power should not be connected to this Auxiliary socket. The Auxiliary Socket will become active when the overnight charging period ends.

It should be noted that apart from the '**Pause**' function during overnight charging the timer program cannot be interrupted.

Safety Precautions for the Power 7 timer

Important the **total** load on any Power Extension Strip must not exceed 8amps and the **total** load on ALL Power Extension Strips must not exceed 13amps.

Important the **total** load on any Power Extension Strip must not exceed 8amps and the **total** load on ALL Power Extension Strips and Auxiliary socket when fitted must not exceed 13amps. (Auxiliary socket is a Factory Fit option)

The Lapcabby and Power 7 should be used in a dry environment and at normal room temperatures. No water or moisture must be allowed into the unit. The LapCabby must not be used outdoors.

There are no serviceable parts in the Power 7 only trained personnel are allowed access to the inside of the Power 7 unit.

Under no circumstances should the Air vents on the Power 7 be covered.

Before any cleaning of the plastic casing the 3pin plug must be removed from the mains socket. Cleaning of the Plastic casing should only be done using a clean dry cloth. No liquid detergents or Aerosol cleaners are to be used.

The Mains Power Lead must not be pulled on to move the LapCabby. When moving the LapCabby the mains cable should be stored inside the LapCabby to avoid damage.

WARNING:

The timer complies with the following standards: EN 60730-1:

2000+A12: 2003+A1: 2004+A13: 2004+A14: 2005+A15: 2007+A16: 2007

and EN 60730-2-1:91 + A1:97 +A12:93 + A11:94 + A13:2003 + A14:2003. The timer is an incorporated control, intended for building into the control cabinet.

Technical Data Sheet Model No.: EF8070

Degree of protection against ingress of solid objects, dust and water: IPX0

Degree of protection against electric shock: Insulation-encased Class I control

Degree of pollution: 2

Ambient temperature limits: -10-30°C

Rated contact voltage: 230-240 V

Nature of supply: ~

Rated frequency: 50 Hz

Max. current: 13A : Total load on all Power Extension Strips

8A: Total load on any single Power Extension Strip

Type of load: Resistive load

Rated impulse withstand voltage: 2.5KV

Terminal type and size: Screw terminal on PCB

Type of power connection: Supply cord with UK 2 pin plug

Max. conductor size: 1.5 mm²

The type of power cord / supply cord: H05VV-F

Identification of terminals: 1,2,3,4,5,L,N,E

Number of cycles of automatic: 10000

Circuit disconnection: Electronic disconnection

Insulating materials: PTI175, level 3

Cooling condition: Natural Convection

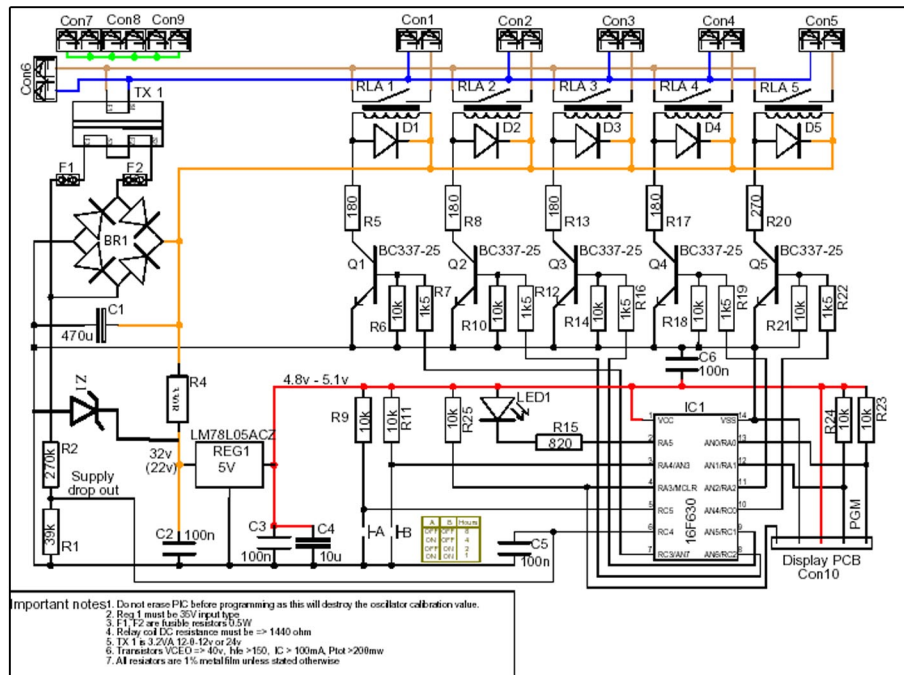
Purpose of control: Incorporated control

Software class: Class A

Method of attachment for non-detachable cords: Type Y

Classification: Type 1

Period of electric stress across insulating parts: Long Period



TERMINAL IN: FOR SUPPLY CORD.

TERMINAL 1-4: FOR LAPTOP COMPUTER CHARGERS

TERMINAL 5: FOR PERIPHERAL DEVICES

Manufacturer name: MONARCH ACOUSTICS LTD

Manufacturer address: Unit 2, Nottingham Airport, Tollerton Lane, Tollerton, Nottinghamshire NG12 4GA

Correct Disposal of this product:

This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling.

