

ELECTRATECH CUSTOMER GUIDE

The Electratch equipment installed in your premises has been designed to meet your immediate requirements and at the same time provide the facility to control additional appliances/heaters in the future.

Electratch will control a total of 12 circuits (heaters/appliances/lighting) and an additional 2 water heating circuits which provide 4 different ways of heating your water.

The Manweb electrician who installed your system will have programmed Electratch with details of each circuit and times when they are required to be used. The times, with the exception of slimline storage heater circuits and the bottom immersion heater circuit, are available and can be reset by the user in accordance with the instructions below.

CODE OPTION

The Manweb electrician who installed your Electratch system will have asked you if you want your system to be operated by anyone or by certain persons only. If you have opted for the operation of Electratch to be restricted a 3 digit code number (i.e. 111, 126 or any other combination), selected by you, will have been programmed into Electratch.

This code number will prevent unauthorised or accidental tampering with your Electratch system and must be entered when requested each time you require to manually switch a circuit or alter the switching times for your circuit. (NOTE:- As a safeguard this number should be written down and kept in a safe place, e.g. the inside of your Electratch Distribution board). The code once entered provides the user with 2 minutes access time on the key pad, after which the key pad will be disabled.

INTERROGATION

If the user wishes to know what circuit is connected to a particular button or what times have been set for a circuit, simply press the button, single bleep. The LCD will initially display details of the room and type of circuit followed by details of the switching times.

CLOCK AND DATE SETTING

ACTION	NOTES	DISPLAY
		Time is xx.xx Water Hot/Boost Reqd?
Press SET	Display for 3 secs Cancels after 5 secs	"DAY" "MONTH" "DATE" Press SET to alter clock/date Press key 1 =Jan ... 12 =Dec
Press Set		SET to enter "month"
Press Key (1-12)	Selects month	Enter the date "month" 00
Press SET	Enters month	SET to enter "month" XX
Press keys (1-10) to enter 2 digits	Key 10 = zero	
Press SET	Enter date	Enter the day 1=Mon, 2=Tues etc.
Press key (1-7)	Selects day	SET to enter "day"
Press SET	Enters day	CLOCK time 00:00
Press Keys (1-10) to enter 4 digits	Key 10 = zero 24 hours clock	SET to enter time XX:XX
Press SET	Enters time End of routine Normal Display	Time is XX:XX am/pm Water Hot/Boost Reqd?

Pressing clock instead of SET at any stage cancels last input and reverts to previous display.

Time is normally indicated on the display as a 12 hour am/pm clock.

To adjust to British Summer Time, etc., repeat the above procedure.

SLIMLINE STORAGE HEATERS

Storage heaters can be switched IN or OUT of circuit by pressing and holding the appropriate key for 2 bleeps. A message will briefly appear showing room and appliance and whether ON or OFF. A glowing LED also indicates that the storage heater is in circuit under E7 program control.

24 Hour Circuits (Unrestricted Hours)

Circuits connected to storage heaters and to the bottom immersion heater are automatically programmed to operate on E7 only and cannot be manually programmed. Any attempt to program on E7 circuit will result in the display message.

This channel is NOT programmable

All other circuits can be programmed to switch ON and OFF up to 3 times a day with a different set of programs for weekdays and weekends.

PROGRAMMING CIRCUITS (other than E7)

ACTION	NOTE	DISPLAY
Press CLOCK		Select key Set Key Cancels
Press key (1-12)	Select circuit	Press 1 - Weekdays 2 - Weekends
Press 1 or 2		SET to enter Weekday/Weekend
Press SET		First on time? time 00:00
*		
Press keys (1-10) to enter 3 digits	10 = zero Settable in 10 mins intervals	SET to enter Time - XX:X0
Press SET	Enters 1st ON time	First off time ? - time 00:00
Press key (1-10) to enter 3 digits	10 = zero Settable in 10 mins intervals	SET to enter Time - XX:X0
Press SET	Enter 1st OFF	Second on time? - time 00:00
Repeat from * above for 3 ON/OFF		

Pressing clock instead of SET at any stage cancels last input and reverts to previous display.


If all three time periods are not required, set the first on time which is NOT required to 00:00.


Midnight cannot, therefore, be used as an ON time.

WATER HEATING


Electratech not only provides overnight water heating at the less than half price rate but also provides 3 other ways to provide additional hot water as and when required by the user.



Indication of the state of the water temperature is provided on the display by the Think-tank Sensor.

Boost: Press the  button, double bleep. The display will indicate "60 MIN BOOST". (The 60 being a count down timer indicating the unexpired time). The top immersion heater will be switched on for a period of 1 hour unless the water in the Think tank becomes hot, in which case the special sensor in the Think tank will cancel the boost period. The display will change from Boost Required? to Water Hot. During the Boost period the LED will flash. The display indicating water hot inhibits additional BOOST periods.

Programmed Boost: Press the "Clock Faced" button. The LCD will indicate select key. Press the  button. Set times in accordance with previous instructions for 24 hour circuits.

Once set the LED will emit a steady light, and at the appropriate times switch the circuit on and off.

Economy 7: Press the  button, double bleep. The LED will be lit continuously. 2 hours after the start of the Economy 7 period the water will be heated by the bottom immersion heater, control of the circuit via the immersion heater thermostat. At the end of the Economy 7 period the immersion heater will be switched off although the LED will remain lit with a steady light.

Continuous: Press the  button, double bleep. The LED will flash and both the top and bottom immersion heaters will be switched on thus providing a rapid heat up of the water. The immersion heaters will be controlled by the integral preset thermostats located in the immersion heaters. To cancel press the  button.

HOLIDAY MODES

Electratech has two holiday modes for use when your house is vacant for a while. By entering the dates of your absence in advance, Electratech will automatically switch to the mode of your choice on the right day and return to normal operation the night before your return.

Summer..Mode: No circuits will operate except those dedicated to security lighting and boost water heating.

Winter..Mode: Provides summer mode facilities PLUS frost protection by switching on all active storage heaters and panel heaters for 2 hours each night, 2 hours after the start of the Economy 7 period.

To find out what holiday program if any has been set, press MODE key for 1 bleep.

To cancel an existing holiday program or enter a new program use the following procedure.

Do not switch off you electricity at the mains while you are away.

ACTION	NOTE	DISPLAY
Press CLOCK		Select key Set key cancels
Press MODE		Press 1 - PROGRAM 2 - CANCEL
Press 1-2	2 Cancels existing program and returns to normal 1 continue	SET to Enter CANCEL a mode
Press SET	to enter new program	SET to enter PROGRAM a mode
Press 1 or 2	Selects Summer or Winter Mode	Press 1 - Summer 2 - winter
Press SET	Enters Mode selected	SET to enter Winter/Summer
Press key (1-12)	Selects "month"	Summer/Winter start month 1 = Jan ... 12 = Dec
Press SET	Enters "month"	SET to enter "month"
Press key (1-10) enter 2 digits	key 10 = zero	Summer/Winter start date "month" 00
Press SET	Enters start date	SET to enter "month" XX
Press key (1-12)	Selects "month"	Summer/Winter stop month 1 = Jan ... 12 = Dec
Press SET	Enters "month"	SET to enter "month"
Press key (1-10) to enter 2 digits	key 10 = zero	Summer/Winter stop DATE "month" 00
Press SET	Enter stop date End of procedure	SET to enter "month" YY
		Time is XX:XX Water is HOT

Pressing CLOCK instead of SET at any stage cancels last entry and reverts to last display.

LED Indicators

Each circuit key on the Electratech control panel has an LED (light emitting diode) in the upper right hand corner which gives information about that circuit. LED's can be off, on or flashing and the information it gives depends upon whether it is an E7 circuit (storage heaters and bottom immersion heater) or a 24 hour circuit (top immersion heater, dishwasher etc).

LED indicator	E7 Circuits	24 Hours Circuits
OFF	OUT of circuit and will not come on during E7	No program set but could be manually switched on and off
ON	IN circuits under E7 control. Will come on during E7 period.	Operating under programmed control
FLASHING	Not applicable	Program has been manually switched on. Can be manually cancelled or will be automatically cancelled by the next programmed "OFF".

HELP FACILITY

Your Electratch system is very user friendly. Should you experience any difficulty in programming your Electratch keypad controller then press the HELP button at any stage. Assistance will be given by a rolling script on the screen. The script can be frozen by pressing any buttons other than the HELP button. After obtaining the required information, press the help button again to exit from this routine and return to your original display.

EXTENSION TO YOUR ELECTRATCH SYSTEM:

Your installation can be amended to control additional circuits up to a maximum of 12 or for a change of duty of a circuit. Electratch will need to be reprogrammed and you should contact Manweb to make the necessary arrangements. A nominal charge will be made unless Manweb are undertaking the system modifications.

NOTES OF GUIDANCE

1. During the Economy 7 period all electricity used will be at the less than half price rate. To take advantage of this, appliances connected to Electratch should be programmed to switch on and off during the above time. Appliances/heaters with the exception of slimline storage heaters can be programmed to be used at any time of the day or night.
2. The electricity supply to Electratch should be left switch ON in order that it can work correctly. Circuits are controlled by MCB's (Miniature Circuit Breakers) which unlike fuses do not require repair - just switch on again. However should an MCB continue to trip or switch off it indicates a fault on the circuit and you should seek the advice of your Manweb Customer Service Unit.
3. (i) **GUARANTEE:** Your Electratch system including wiring and heaters (when installed by Manweb) is covered by Manweb's 12 month guarantee and free additional 4 year maintenance covering working parts. Continued maintenance, currently for a further two years can be provided by Manweb's MANCARE service which is available on request, the payment for which can be made annually or quarterly on your electricity bill.
(ii) Your Electratch system, when installed by Manweb, is covered by the Board's 12 month guarantee plus four additional years free cover under the Mancare agreement. This cover may then be extended for a further two years on a rechargeable basis the payments being made quarterly through your electricity account.

This extended free cover plus the optional rechargeable cover is only applicable to work carried out by Manweb as part of the ORIGINAL Electratch installation - it does not cover work carried out by other contractors, nor does it cover existing storage heaters/circuits to which Electratch is subsequently fitted.

Your Manweb MANCARE maintenance associated with Electratch is transferable, should you sell your home, please ensure that the local Manweb office is notified.

NOTE The Manweb 12 month guarantee and free additional 4 years maintenance covers the repair or replacement of functional parts.

It includes the Electratch equipment plus the circuit wiring together with the storage heaters and panel heaters. This additional four year maintenance cover only applies if the circuits and heaters are installed by Manweb at the same time as the Electratch package.