

ES1247B

1 Channel Multi-Purpose Programmer User Instructions



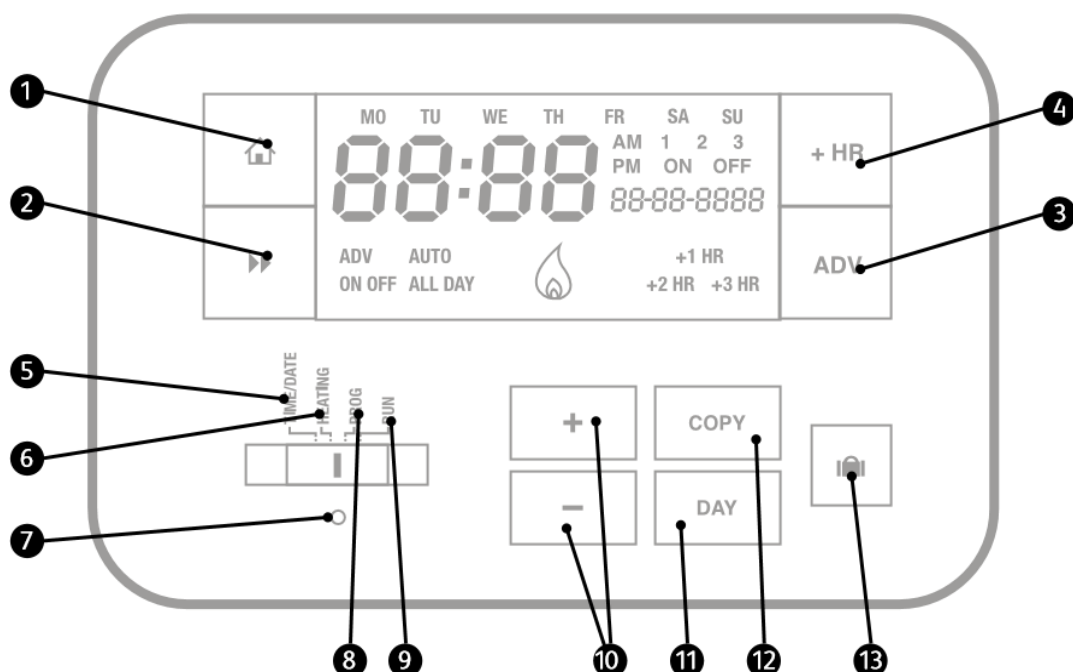
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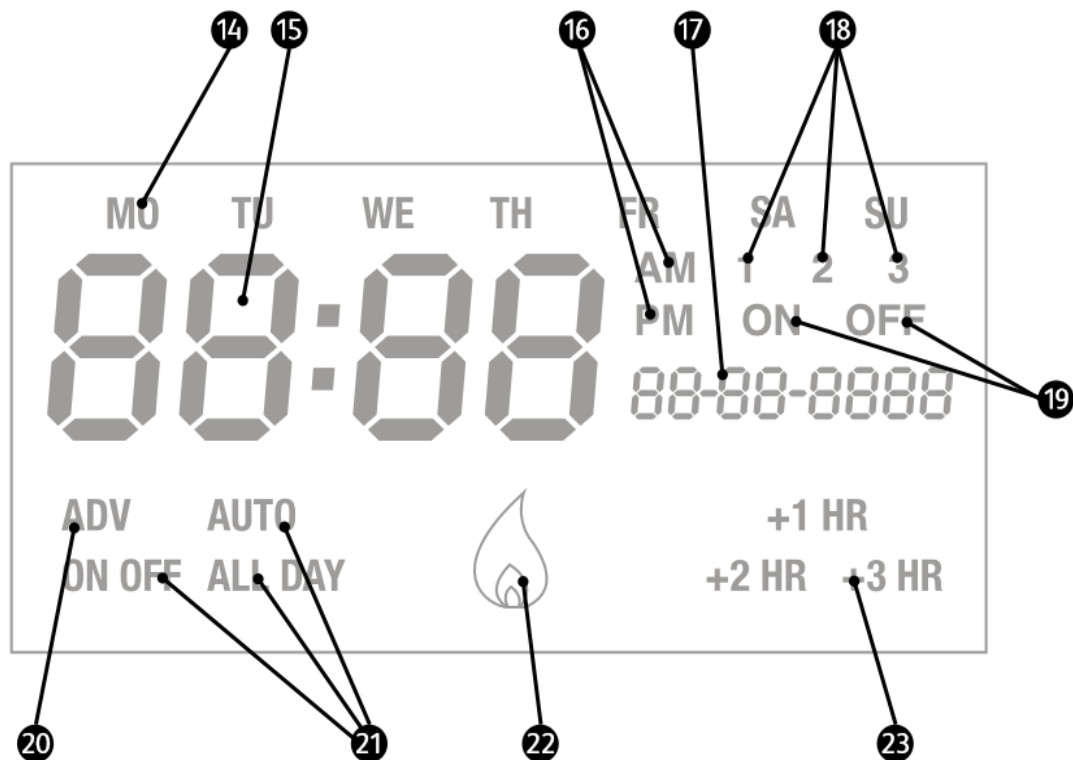
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Quick Operating Guide



- ① **Home** (takes you back to home screen)
- ② **Next** (moves you to the next option within a function)
- ③ Advance to the next programmed ON/OFF (**ADV**)
- ④ Add up to 3 hours of extra Central Heating/Hot Water (**+HR**)
- ⑤ Set Time and Date
- ⑥ Set Programmer Option (24hr, 5/2, 7 Day) & Central Heating/Hot Water
- ⑦ Reset
- ⑧ Set Operation Mode (**ON/AUTO/ALL DAY/OFF**)
- ⑨ Runs the programme
- ⑩ **+/-** buttons for settings adjustment
- ⑪ Moves between days when programming Central Heating/Hot Water (**DAY**)
- ⑫ Copy function (**COPY**)
- ⑬ **Holiday Mode**



- ⑭ Day of the week
- ⑮ Time Display
- ⑯ AM/PM
- ⑰ Date Display
- ⑱ Displays which ON/OFF period (**1/2/3**) is being set when programming Central Heating/Hot Water
- ⑲ Displays whether setting the ON time or OFF time when programming Central Heating/Hot Water (**ON/OFF**)
- ⑳ Advanced temporary override is active (**ADV**)
- ㉑ Operating Mode (**ON/OFF/AUTO/ALL DAY**)
- ㉒ Flame symbol shows that system is calling for heat
- ㉓ + 1hr / 2hr / 3hr temporary override is active

An Explanation For End Users

Programmers allow you to set 'ON' & 'OFF' time periods. Some models switch the Central Heating & Hot Water on & off at the same time, while others allow the Hot Water & Central Heating to come on & go off at different times. Set the ON & OFF time periods to suit your own lifestyle.

On some programmers, you must also set whether you want the Central Heating & Hot Water to run continuously, run under the chosen ON & OFF heating periods or be permanently OFF. The time on the programmer must be correct. Some types have to be adjusted in spring & autumn upon the changes between winter & summer time.

You may be able to temporarily adjust the heating program, for example, 'Override', 'Advance' or 'Boost'. These are explained in the manufacturer's instructions. The Central Heating will not work if the room thermostat has switched the Central Heating OFF. Also, if you have a Hot Water cylinder, the water heating will not work if the cylinder thermostat detects the Hot Water has reached the correct temperature (satisfied).

Introduction To The 1 Channel Programmer

This programmer can automatically switch your Central Heating and Hot Water ON & OFF either 2 or 3 times per day, at whatever times you choose. Timekeeping is maintained through power interruptions by a replaceable internal battery (by a qualified installer/electrician only) and the clock is automatically put forward 1 hour on the last Sunday of March and back 1 hour on the last Sunday of October. The clock is factory pre-set to UK time & date, but you can alter it if you require.

During installation, the installer selects 24Hour, 5/2Day or 7Day Schedule and either 2 or 3 ON/OFF periods per day via the Technical Settings (see installation instructions).

The large, easy to read display makes programming easy and the unit is designed to eliminate the possibility of accidental changes to your programs. Buttons which are normally visible only affect your program temporarily. All buttons which can permanently change your programs are located behind the flip over facia.

Important: *This programmer is not suitable for the switching of devices greater than 6Amp rated, i.e. not suitable for use as an immersion timer.*

Basic Settings

Setting The Time & Date

The time & date are factory set and changes between summer & winter time are adjusted automatically by the unit.

1. Move the slider to **TIME/DATE**.
2. The hour digits will flash, use the **+/-** buttons to adjust the hour.
3. Press **▶▶**, the minute digits will flash, use the **+/-** buttons to adjust the minutes.
4. Press **▶▶**, the first digits of the date will flash, use the **+/-** buttons to adjust.
5. Press **▶▶**, the month digits will flash. Use the **+/-** buttons to adjust the month.
6. Press **▶▶**, the year digits will flash. Use the **+/-** buttons to adjust the year.
7. Move the slider to **RUN**.

Setting The Backlight

The backlight can either be set to ON or OFF. The default setting is OFF. When the backlight is set to OFF, it will turn ON for 15 seconds when a button is pressed. After 15 seconds, it will switch off again.

To change your backlight to be permanently ON:

1. move the slider to **TIME/DATE**.
2. Tap **▶▶** repeatedly until you can see **LIT** on the LCD.
3. Use **+/-** to turn the backlight ON or OFF.
4. Move the slider back to **RUN**.

N.B. *Do not use **ADV** or **+HR** buttons to activate the backlight, as it may*

engage the Advance or +HR functions and turn the boiler on. Using the ►► button to turn the backlight on will ensure you don't alter any settings.

Programming The Unit


Setting The Schedule (5/2Day/7Day/24Hour)

Switch the slider to HEATING. Use +/- buttons to move between 24Hour, 5/2Day or 7Day Schedule

24Hour - This setting will run the same programs every day. You will only need to program once to cover every day.

5/2Day - This setting will run one the same programs Monday to Friday and will allow a different set of programs on weekends.

7Day – 7Day schedule allows you to set different programs for each day. Every day *MUST* be programmed individually unless using the **COPY** function.

Wait 15 seconds to automatically confirm or press the  button. Move the slider to **RUN** to return to Run mode.

Factory Set Programs

This Channel Programmer has been designed to be simple to use, requiring minimal user intervention with a pre-programmed heating profile.

The pre-set heating times will suit most people (*see table below*). To accept the factory pre-set settings, move the slider to **RUN** which will revert the program to Run Mode.

If the user changes from the factory set programs and wants to return to it, pressing the reset button with a non-metallic pointed tool will return the unit to the factory-set programs.

N.B. Check the time & date settings after resetting this programmer.

Event		Std Time	Econ Time	Std Time		Econ Time
Weekdays	1 st ON	06:30	00:00	Weekends	07:00	00:00
	1 st OFF	08:30	05:00		10:00	05:00
	2 nd ON	12:00	13:00		12:00	13:00
	2 nd OFF	12:00	16:00		12:00	16:00
	3 rd ON	17:00	20:00		17:00	20:00
	3 rd OFF	22:30	22:00		22:30	22:00
N.B. If 2PU or 2GR is selected, 2 nd ON & 2 nd OFF are skipped						

In 7Day setting, the pre-set programs are the same as 5/2Day programs.
In 24Hour setting, the pr-set programs are the same as Mon-Fri of 5/2Day programs.

Programming Heating/Hot Water

1. Move the slider to **HEATING**. Choose between 24Hour, 5/2Day or 7Day schedule as above.
2. Press the ►► button. Press the **DAY** button to select the desired day/block of days you want to program at the top of the screen.
3. The LCD will show the 1st ON program time. Use the +/- buttons to set the 1st ON program time, (10 minute increments). Press the ►► button.
4. The LCD will show the 1st OFF program time. Use the +/- buttons to set the 1st OFF program time, (10 minute increments). Press the ►► button.
5. The LCD will now show the 2nd ON program time. Repeat steps 3-4 until all remaining ON/OFF programs have been set. On the last OFF time, press the **DAY** button until the next desired day/block of days you want to program is flashing at the top of the screen.
6. Repeat steps 3-5 until all days/block of days have been programmed.
7. Move the slider to **RUN** to return to Run Mode.

N.B. The **COPY** button can be used in 7Day Schedule to copy any shoes day to the next day, (e.g. Monday to Tuesday or Saturday to Sunday).

Simply change the program for that day, push **COPY** repeatedly until all 7 days (if you wish) have been changed.

Setting The Operation (ON/OFF/AUTO/ALL DAY)

1. Move the slider to **PROG.** Press either **+** or **–** button to move between ON/OFF/AUTO/ALL DAY.

ON: Heating/Hot Water is continuously **ON**

AUTO: Heating/Hot Water will be switched **ON** & **OFF** in accordance with set programs

ALL DAY: Heating/Hot Water will switch **ON** at the first programmed **ON** time and will switch **OFF** at the last programmed **OFF** time

OFF: Heating/Hot Water will be permanently **OFF**

2. Move the slider to the **RUN** position.

Operating The Unit

Temporary Manual Overrides

Advance Function

The **Advance** function allows the user to move to the next ON/OFF program for a “one off” event without having to change any programs.

N.B. *The ADVANCE function is only available when the operating mode is set to AUTO or ALL DAY and the slider must be set to RUN.*

To Advance Heating/Hot Water

1. Press the **ADV** button. This will turn the Heating/Hot Water **ON** if it is in an **OFF** period and **OFF** if it is in an **ON** period. The word **ADV** will appear on the left hand side of the LCD.
2. Your programmer will stay in this state until either the **ADV** button is

pressed again or until a programmed ON/OFF period commences.

The +HR Boost Function

The **+HR** function allows the user to have up to 3 hours of extra Heating/Hot Water without having to change programs.

N.B. *The +HR function is only available when the operating mode is set to AUTO, ALL DAY or OFF, and the slider must be set to RUN. If the programmer is in AUTO or ALL DAY operating mode when the +HR button is pressed and the resulting time of the boost overlaps an ON time, the boost will be cancelled.*




To +HR Boost Heatin/Hot Water

1. Press the **+HR** button.
2. One press of the button will give one hour of Heating/Hot Water; two presses of the button will give two extra hours; three presses of the button will give the maximum three extra hours. Pressing the **+HR** button will cancel the boost.
3. . The LCD will show **+1HR**, **+2HR** or **+3HR**.

Holiday Mode

Holiday Mode saves energy by letting you reduce the temperature for up to 99 days while you are away from home, resuming normal operation upon your return.

The slider must be in the **RUN** position for Holiday Mode to be enabled.

1. Press  to enter Holiday Mode and the screen will show **d:1**
2. Use **+/-** buttons to select the number of days you would like Holiday Mode to run for.
3. Press  to confirm. The system will now turn off for the number of days chosen. The number of days will alternate with the time shown on the display, and the number of days will count down.
4. When the countdown has finished, the programmer will return to normal operation. It is advisable to set Holiday Mode 1 day less, so the house is back up to temperature for your return.
5. To cancel Holiday Mode, press .

Resetting The Unit

Press the reset button with a non-metallic pointed tool to reset the unit. The internal back-up battery will keep certain settings, such as time, date & programs. You may need to remove this if you wish to fully reset the unit.

If the internal battery has expired, the time/date & programs will be changed back to the original version that was first installed. The Operation mode will also reset to **OFF**.

N.B. You ***MUST*** isolate the power to your programmer ***BEFORE*** removing the internal back-up battery.

Power Interruption

In the event of a mains supply failure, the screen will go blank but the internal back-up battery ensures your programmer continues to keep the time and retain your stored programs.

We are continuously developing our products to bring you the very latest in energy saving technology and simplicity. However, should you have any questions setting up your controls please email us at sales@esicontrols.co.uk.