3 Channel Multi-Purpose Programmer With RF

User Instructions

Thank you for choosing ESi Controls.

All ESi products are tested in the UK so we are confident this product will reach you in perfect condition and give you many years of service. However, for additional peace of mind, we recommend you register your product online at **www.esicontrols.co.uk/warranty** for your extended warranty.

Contents

User Instructions

What is a Channel Programmer?

An explanation for householders

Programmers allow you to set ON and OFF time periods (Programs) for your Central Heating & Hot Water. Some models switch the Central Heating & Hot Water ON and OFF at the same time while others allow the Hot Water and Central Heating to come ON and go OFF at different times. Most Programmers will have factory-set ON & OFF times which the householder can modify or override to suit their own needs.

On some Programmers you must also set whether you want the Central Heating & Hot Water to run continuously, run timed programs or be permanently OFF.

You may be able to temporarily Boost or Advance the schedule of your Central Heating and/or Hot Water if they are not in a heating cycle. This will be explained in the manufacturer's instructions. Normally, Central Heating will not work if the room thermostat is set too low or if it is set OFF. Ensure that your thermostats are set to the desired temperature and that the programmer is set to AUTO, ON or ONCE for the system to work correctly. Similarly, if you have a Hot Water cylinder the water will not heat up if your cylinder thermostat detects that the Hot Water has reached the correct temperature.

An Introduction to your ES3247BRF

Your ES3247BRF can automatically switch your Central Heating or Hot Water ON & OFF up to 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). The clock is automatically put forward 1 hour at 1:00am on the last Sunday of March and back 1 hour at 2:00am on the last Sunday of October. The clock is factory pre-set to UK time & date but you can alter this if you wish.

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 normally visible will only affect your set programs 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, (e.g. not suitable for use as an immersion heater timer).

Quick Operating Guide
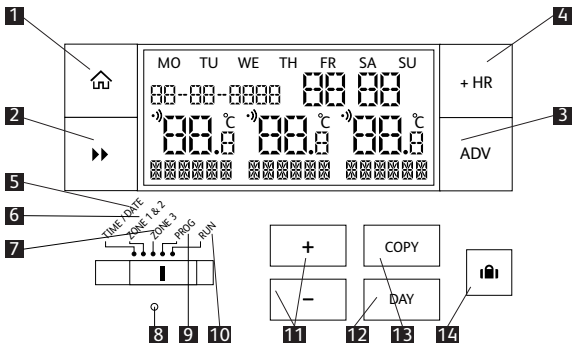
1. **⌂ Home** (Takes you back to the Home Screen)
2. **Next ▶▶** (Moves you to the next option within a function)
3. **Advance** (Advances to the next programmed ON/OFF)
4. **+HR** (Add 1, 2 or 3 hours of extra Heating/Hot Water)
5. **Time/Date** (Move the slider bar here to alter the time/date)
6. **Zone 1 & 2** (Set Program Mode - 24 Hour, 5-2 Day, 7 Day. Set Heating Programs)
7. **Zone 3** (Set Program Mode 24 Hour, 5-2 Day, 7 Day. Set Hot Water Programs)
8. **Reset**
9. **Prog** (Set Operation Mode - ON/OFF/AUTO/ONCE)
10. **Run** (Runs your programs)
11. **+/-** (Use these buttons to adjust settings)
12. **Day** (Moves between days when programming Heating/Hot Water)
13. **Copy** (Use this button to copy a set of programs from one day to another)
14. **Holiday** Button
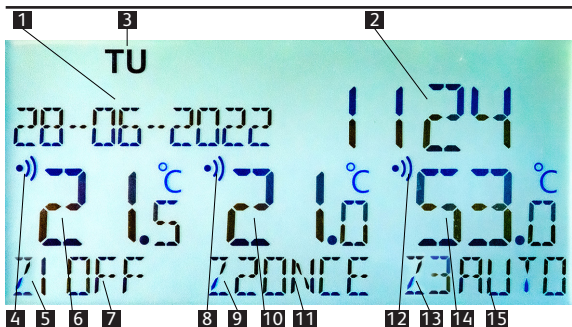
1. Date
2. Time
3. Day
4. Heating Zone 1 RF Connection Status (Flashing when searching, solid when paired)
5. Heating Zone 1 Call For Heat (This will be blank when the Heating is OFF)
6. Heating Zone 1 Room Temperature
7. Heating Zone 1 Operation Mode (ON/OFF/AUTO/ONCE)
8. Heating Zone 2 RF Connection Status (Flashing when searching, solid when paired)
9. Heating Zone 2 Call For Heat (This will be blank when the Heating is OFF)
10. Heating Zone 2 Room Temperature
11. Heating Zone 2 Operation Mode (ON/OFF/AUTO/ONCE)
12. Heating Zone 3 (Hot Water) RF Connection Status (Flashing when searching, solid when paired)
13. Heating Zone 3 (Hot Water) Call For Heat (This will be blank when the Hot Water is OFF)
14. Heating Zone 3 (Hot Water) Temperature
15. Heating Zone 3 Operation Mode (ON/OFF/AUTO/ONCE)

Basic Settings

Setting the Time & Date

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

1. Move the slider to the **TIME/DATE** position, you should see the hour flashing. Use the **+/-** buttons to adjust.

2. Press the **Next ▶▶** button to move onto the minutes and use the **+/-** buttons to adjust.

3. Press the **Next ▶▶** button to move onto the date. Use the +/- buttons to adjust.

4. Press the **Next ▶▶** button to move onto the month. Use the +/- buttons to adjust.

5. Press the **Next ▶▶** button to move onto the year. Use the **+/-** buttons to adjust.

6. Move the slider back to **RUN**.

View the Time & Date

To view the time & date at any point, press the **⌂ Home** button. The time & date will be displayed for 5 seconds.

Setting the Backlight

The backlight will turn ON for 30 seconds when any button is pressed, it will then turn OFF automatically. However, you can set the backlight to be permanently ON. To set your backlight permanently ON, move the slider to **TIME/DATE**, press the **Next ▶▶** button repeatedly until BACK LIGHT is displayed. Press the **+ or –** button to choose between ON & OFF.

• **ON** will set your backlight permanently ON.

• **OFF** will set your backlight to illuminate for 30 seconds when a button is pressed

Move the slider back to **RUN**.

N.B. *If you would like to illuminate the display just for a moment, do not use the ADV or +HR buttons as this may engage the Boost.*

Resetting Your ES3247BRF

Press the **RESET** button with a non-metallic pointed tool to reset the unit. After resetting your ES3247BRF, temperatures will appear as '-- --' and RF icons will flash until they have re-established their connections.

Programming Your ES3247BRF

Factory Pre-Set Programs

Your ES3247BRF 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 times, move the slider to **RUN** which will revert the programmer to Run Mode.

If you would like to set your own programs, please see page 13. Setting your own programs will overwrite the factory pre-set profile.

Event		Time		Time
Weekdays	1st ON	06:30	Weekends	07:30
	1st OFF	08:30		10:00
	2nd ON	12:00		12:00
	2nd OFF	12:00		12:00
	3rd ON	17:00		17:00
	3rd OFF	22:30		22:30

Setting the Programmer Option

1. Switch the slider to **ZONE 1 & 2** and use the **+** button to select from the following:

• 5-2 DAY – Weekdays will run 1 program; weekends can be set to a different program.

• 24 HOUR – Every day will run the same programs.

• 7 DAY – Each day can be set to run different programs and must be set individually.

2. Move the slider to **RUN** to return to Run Mode.

Setting Heating Programs

1. Move the slider to **ZONE 1 & 2**. Choose between 5-2 DAY, 24 HOUR or 7 DAY programmer option (see above steps).

2. Press the **Next ▶▶** button. Press the **DAY** button to select the desired day/block of days you want to program.

3. The display will show the first ON time. Use the **+/-** buttons to set the time you would like your heating to start (10 minute increments). Press the **Next ▶▶** button.

4. The display will show the first OFF time. Use the **+/-** buttons to set the time you would like your heating to switch OFF (10 minute increments). Press the **Next▶▶** button.

5. The display will now show the 2nd ON time. Repeat steps 3-4 until all remaining ON/OFF periods have been set. On the last OFF period, press the **DAY** button to select the next day/block of days you want to program. To set Heating Zone 2, repeat steps 2-5 above.

6. When you have finished setting your programs, move the slider bar to **RUN**.

N.B. *The COPY button can be used in 7 DAY setting to copy any chosen day to the following day, (e.g. Mon to Tues or Sat to Sun). Simply change the programs for the first day then press COPY, 'COPY IS DONE' will show at the bottom of the display. The following day will now be shown on the display with the same settings as the previous day. This can be done for all 7 days if you so wish.*

Setting Hot Water Programs

1. Move the slider to **ZONE 3**. Choose between 5-2 DAY, 24 HOUR or 7 DAY programmer option (see page 13).

2. Press the **Next ▶▶** button. Press the **DAY** button to select the desired day/block of days you want to program.

3. The display will show the first ON time. Use the **+/-** buttons to set the time you would like your hot water program to start (10 minute increments). Press the **Next ▶▶** button.

4. The display will show the first OFF time. Use the **+/-** buttons to set the time you would like your hot water program to switch OFF (10 minute increments). Press the **Next ▶▶** button.

5. The display will now show the 2nd ON time. Repeat steps 3-4 until all remaining ON/OFF periods have been set. On the last OFF period, press the **DAY** button to select the next day/block of days you want to program.

6. When you have finished setting your programs, move the slider bar to **RUN**.

Setting the Operation Mode

1. Move the slider to PROG. Press the **Next ▶▶** button to move between zones 1, 2 & 3. Use the **+/-** buttons to move between ON/OFF/ONCE/AUTO.

ON: Heating and/or Hot Water will be ON continuously, overriding any programs that have been set.

OFF: Heating and/or Hot Water will be permanently OFF. No programs will run.

ONCE: Heating/Hot Water will start at the first programmed ON time and switch OFF at the last programmed OFF time.

AUTO: Heating/Hot Water will be switched ON and OFF at your set program times.

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

Operating Your ES3247BRF

Temporary Overrides

Advance Function (ADV)

The ADVANCE function (**ADV**) allows the user to bring the next Heating or Hot Water program forward to the current time without having to change any programs. **ADV** will bring the next program forward when the Operation Mode is set to AUTO or ONCE and the slider must be set to RUN. It is possible to advance more than one channel at a time.

To Advance Heating/Hot Water

1. Press the **Next ▶▶** button to select the zone you wish to advance, the Operation Mode for that zone will start to flash, (ON/OFF/ONCE/AUTO).

2. Press the **ADV** button while the Operation Mode is flashing and the Operation Mode will change to 'ADV'. This will turn the Heating or Hot Water ON if it is an OFF period or turn the Heating or Hot Water OFF if it is an ON period.

3. To cancel the advance, repeat steps 1 & 2 above.

Boost Function (+HR)

The **+HR** function allows the user to have 1, 2 or 3 hours of extra Heating or Hot Water without having to change any programs. **+HR** is only available when the Operation Mode is set to ONCE, AUTO or OFF and the slider must be set to **RUN**. If the **+HR Boost** overlaps a program start time, the boost will be cancelled when the program begins. Heating & Hot Water can both be boosted at the same time.

To Boost Heating/Hot Water

1. Press the **Next ▶▶** button to select the zone you wish to Boost, the Operation Mode for that zone will start to flash, (ON/OFF/ONCE/AUTO).

2. Press the **+HR** button while the Operation Mode is flashing and the Operation Mode will change to '**+1HR**'. This will give one hour of Heating or Hot Water for that zone. Pressing the **+HR** button again will give 2 hours of Heating or Hot Water and will show '**+2HR**'. A 3rd press of the **+HR** button will boost the Heating or Hot Water for 3 hours and will show '**+3HR**' on your display. Pressing the **+HR** button once more will cancel the boost and the Operation Mode will return to the display.

I📖I Holiday Mode

Holiday Mode will help you to save energy while you are away from home. When Holiday Mode is set, your ES-3247BRF will switch your Heating & Hot Water to OFF for the time you are away (up to 99 days) and resume normal operation upon your return.

1. Move the slider to **RUN**

2. Press I📖I to enter Holiday Mode. Your ES3247BRF will show D: 1.

3. Use the **+/-** buttons to set the number of days you will be out away from home.

4. Press the **Next ▶▶** button to confirm. The system will turn OFF for the number of days you have chosen and 'HOLIDAY' followed by your number of chosen days will flash on your programmer display. Your room and cylinder thermostats will also show the number of days of Holiday Mode remaining. This number will count down daily.

5. Once the countdown has finished, your ES3247BRF will return to normal operation.

6. To cancel Holiday Mode, press the I📖I button to return to normal operation.

N.B. *It is advisable to set Holiday Mode to 1 day less than the time you will be away so your house and Hot Water are back up to temperature for your return.*

Power Interruption
In the event of a mains supply failure, the screen will go blank however the back-up battery ensures that your ES-3247BRF 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

Warning: Interference with sealed parts renders the guarantee void
.
In the interests of continuous product improvement we reserve the right to alter designs, specifications and materials without prior notice and cannot accept liability for errors.

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