

ES1247B

1 Channel Multi-Purpose Programmer Installation Instructions



Thank you for choosing ESi Controls

All our 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 3-year warranty, within 30 days of purchase. Products registered after 30 days of purchase will qualify for 1 year warranty.

Installation Safety Instructions

The unit must be installed by a suitably qualified person in accordance with the latest IEE Wiring Regulations.

Isolate mains supply before commencing installation. Please read all instructions before proceeding.

Ensure that the fixed wiring connections to the mains supply is via a fuse rated at not more than 6 amps and class 'A' switch having a contact separation of a minimum of 3mm in all poles. The recommended cable sizes are 1.0mm sq or 1.5mm sq.

No earth connection is required as the product is double insulated but ensure continuity of earth throughout the system.

If the unit is installed onto a metal surface, **IT IS ESSENTIAL** that the metal be earthed. **DO NOT** use a surface mounting box.

Contents

Installation Safety Instructions	2
Safety Notice	3
Maintenance	3
Technical Data	4
Technical Settings	4
Setting the Landlord Service Interval	5
Installing the Backplate	6
Wiring Diagram	7
Change the Installer Code (PIN)	7

Safety Notice

WARNING!

Always isolate the AC mains supply before installing. This product must be installed by a qualified person and installation MUST comply with the guidance provided in the current edition of BS7671 (IEE wiring regulations) and part P of the building regulations.


Maintenance


Always isolate the mains supply before commencing any work, servicing or maintenance on the system. And please read all the instructions before proceeding. Arrange for an annual maintenance and inspection schedule to be conducted by a competent person on every part of the heating and hot water system.

Technical Data


Power Supply	230V AC, 50Hz
Switch Rating	230V AC, 6(2) A SPDT
Battery Type	Lithium Cell CR2032
Enclosure Protection	IP30
Plastics	Thermoplastic, flame retardant
Insulation Class	Double
Wiring	For fixed wiring only
Backplate	Industry Standard
Dimensions	140mm(L) x 90mm(H) x 30mm(D)
Clock	12/24 Hour Selectable, 1 minute resolution
BST/GMT Time Change	Automatic
Clock Accuracy	+/- 1 second/day
Program Cycle	24hr, 5/2day or 7day selectable
Program ON/OFF per day	2 or 3 selectable
Program Selection	Auto, On, All Day, Off
Heating Type	Pumped
Complies With	EN60730-1, EN60730-2.7, EMC Directive 2014/30EU, LVD Directive 2014/35/EU

Technical Settings

1. Move the slider to **RUN**. Hold down the  **HOME** button, the **DAY** button and the – (**MINUS**) button (under the display) together for 3 seconds to enter the Technical Menu.
2. Press **+/-** to choose between 2 or 3 **ON/OFF** settings per day.
3. Press the **▶▶** button and press **+/-** to choose between Protection **ON/OFF**. If Protection is ON and the system does not call for heat for one week, the system will be turned ON for one minute each week that the system does not call for heat.

4. Press ►►, then press +/- to choose between 12 hour clock or 24 hour clock
5. Tap  to exit the menu.


Setting the Landlord Service Interval

1. Switch the slider to **RUN**
2. Hold , **COPY** and the **+** button together until you can see **COdE** on the LCD. A numeric password will be required to enter these settings.
3. Use the +/- buttons to enter the first digit of the code. Press the **DAY** button to move to the next digit. Repeat this until all 4 digits have been entered and then press ►►

***N.B.** Only when the correct code is entered can the landlord settings be entered. The factory default code is 0000. It is advisable to change this to a memorable 4 digit number.*

4. The LCD will show **En**. Press the +/- buttons to turn the landlord functions on/off.
5. If landlord functions are turned **ON**, press ►►, the LCD will show **SHO**. Select **ON** by using the +/- buttons and press ►►, the LCD will display **ArEA**. This will allow a contact number to be entered. Use the +/- buttons to set the numbers for the area code & **DAY** to move to the next digit. When all digits have been entered, press ►►.
6. The LCD will show **tELE**. Use the +/- buttons to set the numbers for the rest of the phone number & **DAY** to move to the next digit. When all digits have been entered, press ►►.
7. The LCD will show **duE**. Use the +/- buttons to enter a number of days until the next boiler service is due (from 1-450 days). Press ►►.
8. The LCD will show **ALAr**. Use the +/- buttons to set the reminder (from 1-31 days). This will then remind the user when the annual

service is due by alternating between showing **SER** and the previously entered telephone number.

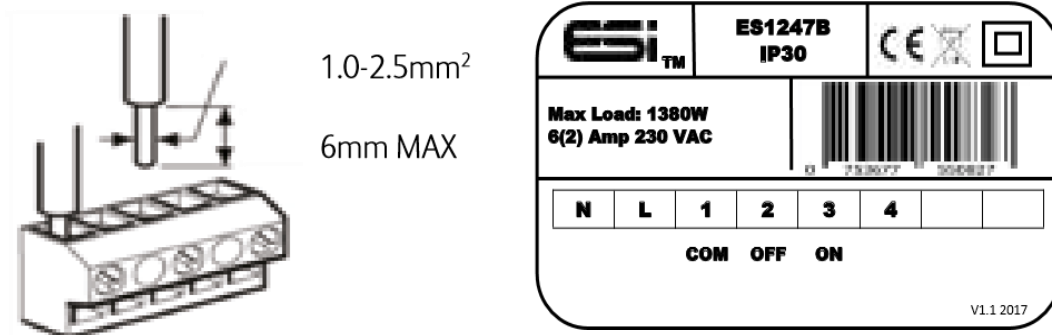
9. Press ►► and the LCD will show **tYPE**. Use the **+/-** buttons to choose between: -
 - 0: Reminds the user when the annual service is due by alternating between displaying **SER** and the above-mentioned telephone number.
 - 1: Reminds the user when the annual service is due by alternating between displaying **SER** and the telephone number and will only allow the system to run in manual operation for 60 minutes.
 - 2: Reminds the user when the annual service is due by alternating between displaying **SER** and the telephone number and does not allow the system to run (permanently OFF).
10. Press the ►► button and the LCD will show **nE**. Here, a new installer code (PIN) can be entered. Use **+/-** buttons to enter numbers and the **DAY** button to move to the next number. When you have entered a new PIN, press ►► to save.
11. Press  to exit the menu.

Installing the Backplate


1. Position the backplate (terminals along the top edge) with 60mm (min) clearance to the right, 100mm (min) above and 25mm (min) below. Ensure the supporting surface will fully cover the back of the programmer.
2. Offer the backplate to the wall in the position where the programmer is to be mounted, remembering that the backplate fits to the left side of the programmer. Mark the fixing positions through the slots in the backplate, drill and plug the wall, then secure the backplate in position.
3. All necessary electrical connections should now be made. Ensure the wiring to the backplate terminals lead directly away from the

terminals and are completely enclosed within the backplate aperture. Wire ends must be stripped and screwed to the terminals, so minimal wire is showing.

Wiring Diagram




Change the Installer Code (PIN)

1. Move the slider to **RUN**.
2. Hold , **COPY** and the **+** button together until you can see **CoDe** on the LCD. A numeric password will be required to enter these settings.
3. Use the **+/-** buttons to enter the first digit of the code. Press the **DAY** button to move to the next digit. Repeat this until all 4 digits have been entered and then press **▶▶**.

***N.B.** Only when the correct code is entered can the landlord settings be entered. The factory default code is 0000. It is advisable to change this to a memorable 4 digit number.*

4. The LCD will show **En**. Use the **+/-** buttons to select **ON**. Press **▶▶**
5. Continue tapping the **▶▶** button until the LCD shows **nE** and your current PIN.
6. Tap the **DAY** button & the first digit will flash.
7. Use the **+/-** buttons to enter the first digit of your new PIN. Press the **DAY** button to move to the next digit. Repeat this until all 4 digits

have been entered and then press ►►. You will see **SET** appear on the display.

8. Press  to exit the menu.

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.