HOMEZONE USER GUIDE

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energy saving solutions

HOMEZONE USER GUIDE
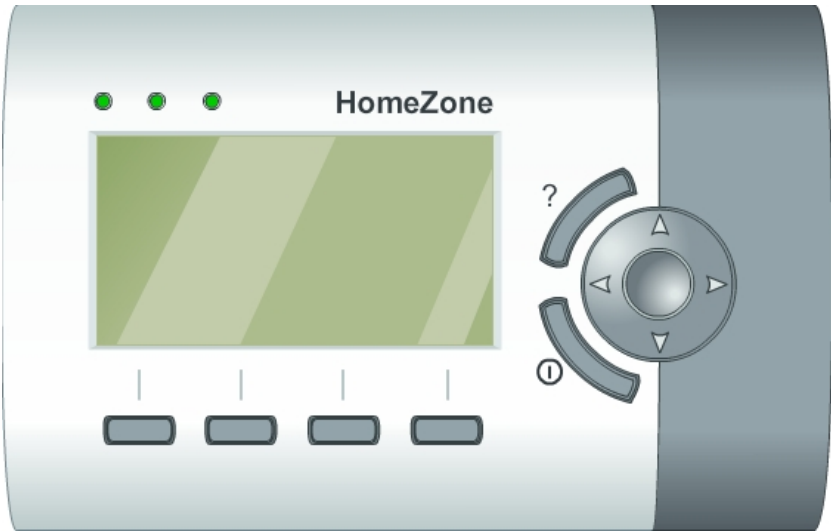
V1.2

INDEX

01| INTRODUCTION

The Homezone programmer provides you, the user, with the capacity to configure up to three zones with 'time & temperature' control. These are typically **two heating zones** and **one domestic hot water zone**, e.g. the living area, bedrooms and taps. There are other features in the system which will be identified and discussed later.

The **programmer** that you see displayed above serves as an interface to the user and is in fact only a part of the overall "HomeZone" system.

The rest of the system consists of a back-end **controller** (see installation manual) which is connected to the heating zones via the **ZoneAlone manifold** or motorized valves. Once these elements have been installed, the user can then start operating the programmer.

02| HOMEZONE SYSTEM CONFIGURATION
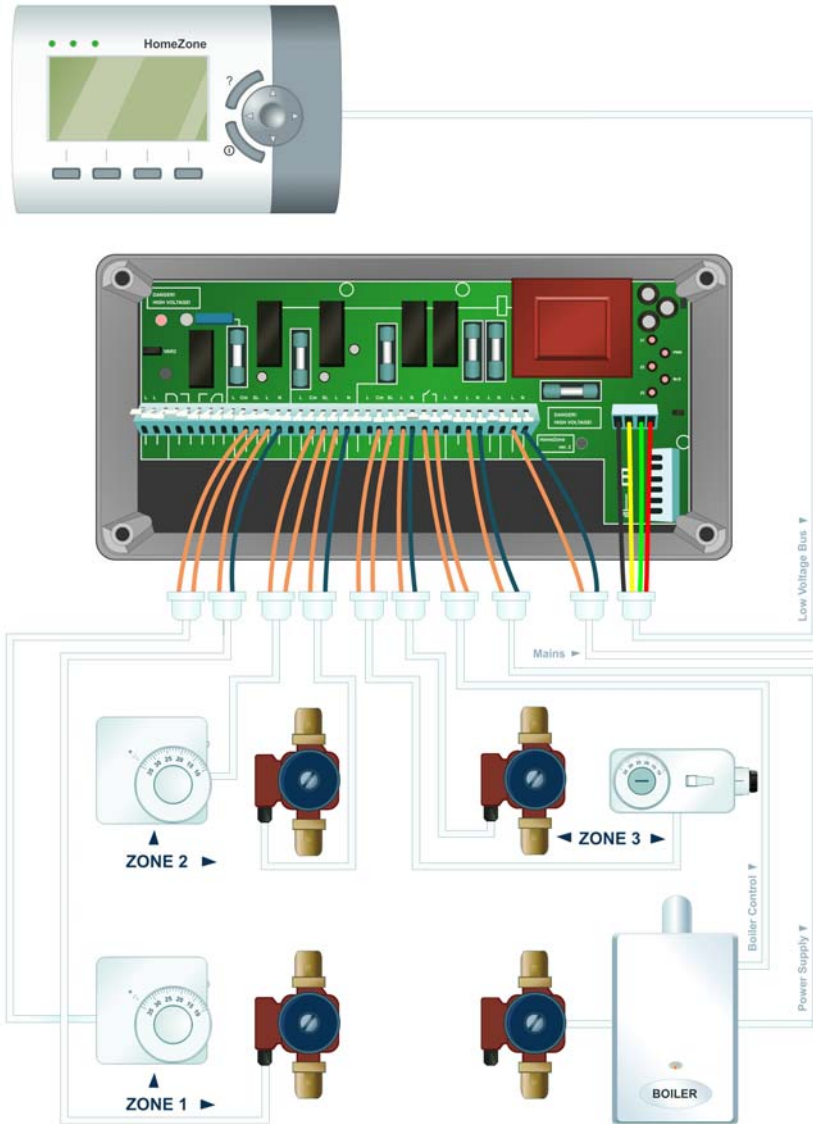
[A B O V E] H O M E Z O N E P R O G R A M M E R W I T H C O N T R O L L E R , M O T O R I Z E D V A L V E S , S T A T S , B O I L E R A N D P U M P

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03| PROGRAMMER LAYOUT

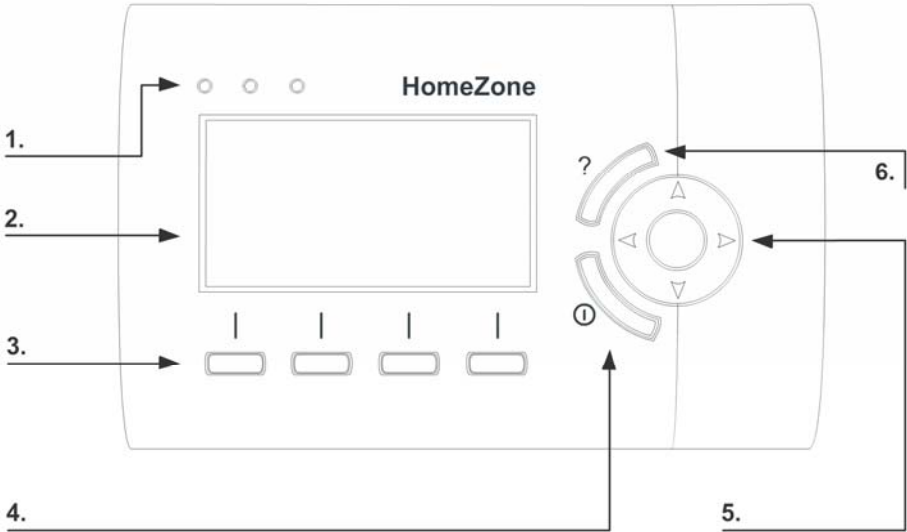|		
1.	**Status LEDs**	One per Zone, lights up when relevant Zone is active.
2.	**Display Screen**	Displays programmer options. Programmer options can be selected with the **Selection Buttons** and **Directional Pad**
3.	**Selection Buttons**	Used to select options shown on the **Display Screen.**
4.	**Standby Button**	Turn system or all areas except hot water ON|OFF
5.	**Directional Pad**	Scroll left, right, up and down by pressing the arrows
6.	**Help Button**	Provides hints and tips with menu screens when pressed

Note on Selection & Navigation: The **Directional Pad** is used to move between screens and/or highlight different options in a menu. The **Selection Buttons** are used to accept /change options. To see what pressing a Selection Button will do at any given time, check the area of the screen directly above it for details. In some screens there is a cross-over in functionality between the **Directional Pad** and the **Selection Buttons**.

3.1 The Resting Screen

When not in use, the HomeZone programmer defaults to the resting screen. From here, you can do four things, (1) check the status of each zone, (2) temporarily boost a zone, (3) advance a zone to the next preprogrammed heating period and (4) access the menu.

3.2 Display Status

Always shows the status of each zone.

In this example the screen is showing that:

Mon	01/02/2008		11:00
Boost		Advance to nxt period	▶
🛋 On Until 14:00	🛏 Off Until 18:00	♨ On Const	🔧
Boost	Boost	Boost	Menu

- the 'living area' is on until 14:00 hrs.
- the 'sleeping area' is off until 16:00 hrs.
- the hot water is on 'constant'

Mon	01/02/2008		11:00
Boost		Advance to nxt period	▶
🛋 On Until 14:00	🛏 On Until 12:00	♨ Off Until 16:00	🔧
Boost	Boost 2hrs	Boost	Menu

3.3 Boost

Boost is used to provide **instant** *heat* or *hot water* regardless of the mode the zone is in. Any zone can be **boosted** between 1-3hrs OR be set to **constant**.

If left on **constant,** the zone will revert back to programmed mode after 24 hrs.

Each Zone is linked to the **Selection Button** below it. Tap a **Selection Button** repeatedly to cycle through the various boost options for that particular zone. As you cycle through the different boost options, the new status of the zone will be shown on-screen.

3.4 Advance to Next Period

Advance is used to cycle each zone through its pre-set heating periods. This feature is useful, for example, if the user comes home from work early and the heating is not due to turn on for another few hours.

Instead of using boost, the user can "advance" the heating system to switch on early and remain on right throughout the day up until the time that the heating system is normally set to go off – bedtime for example.

In any case, the "advance" screen will show the next programmed time that the zone has been set for.

Mon	01/02/2008		12:34
◀ Boost		Advance to nxt period	
🛁 On Until 14:00	🛏 Off Until 18:00	🚿 Off Until 16:00	🔧
Turn Off	Turn On	Turn On	Menu

As with boost, each Zone is linked to the **Selection Button** below it. Tap a **Selection Button** repeatedly to cycle through the various advance options for that particular zone.

> **N**OTE: Use the **Directional Pad** to scroll between 'Boost' & 'Advance'**.** Depending on your selection, either **Boost** OR **Advance to Next Period** will be highlighted.

3.5 Standby Mode

The "Standby" button on the programmer (see page 5 for details) is a quick way to turn off the heating but leave the Domestic Hot Water settings running as normal.

3.6 Help

The HomeZone programmer has an internal database of contextual hints and tips that you can access at any time by pressing the "Help" button on the programmer (see page 5 of this manual for details).

Should you accidentally end up in the wrong menu, you can always **cancel what you are doing** by pressing the on-screen "Back" option using the Selection Buttons.

04| MAIN MENU OPTIONS

These are the main menu functions:

- Set temperature*
- Set Heating times
- Set Holiday mode
- Disable/enable an area
- Advanced settings (installer option)

To use a function, highlight it and press 'Accept' using the **Selection Buttons**.

```
Mon       01/02/2008      12:34
          Basic Settings
        Set Heating Times?
        Set Holiday Mode?
       Disable\Enable Area?
         Set Temperature?
       See Advanced Settings?

  Back      ▲         ▼      Accept
```
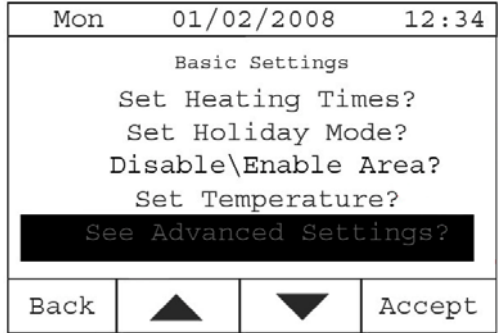
*Only available if configured for use. See section 1.1.1.

The Menu can be accessed directly from the Resting Screen by pressing the fourth **Selection Button** from the left.

4.1 Set Temperature

This option will not be available for use unless the thermostat was previously configured by an installer [see Section 1.1.1 for details].

```
Mon       01/02/2008      12:34
        Configure Thermostat

         Set Temperature
              27°C

      ▲ increase
      ▼ decrease

  Back      ▲         ▼      Accept
```
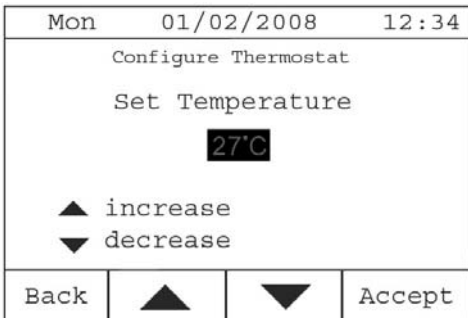
To Cancel Operations: press "Back" repeatedly until you are back on the resting screen.

To Adjust Temperature: use the **Directional Pad** to increase or decrease temperature and press "Accept" to confirm.

Once the "Accept" button has been pressed, a confirmation screen will appear to confirm the new settings. After 10 seconds the system will revert to the Resting Screen.

4.2 Set Heating Times

See *programming instructions* page 10 of this manual.

4.3 Set Holiday Mode

Holiday Mode puts the entire heating system to sleep for prolonged periods of time. If frost protection is active [see section 4.5.3] the thermostat will occasionally switch the system on to keep the pipes from freezing when temperatures drop below 5°C.

To Access: select the **"Set Holiday Mode?"** option in the **main menu** and press "Accept".

Use the **Directional Pad** and **Selection Buttons** to operate the menu.

Directional Pad [left – right] : select day, month and year columns.

Directional Pad [up – down] : change the value of the currently selected column

Selection Button : press to accept changes

```
┌─────────────────────────────────────┐
│  Mon      01/02/2008        12:34    │
├─────────────────────────────────────┤
│          Set Holiday Dates           │
│                                      │
│   From:              To:             │
│   01 02 2008         01 06 2008      │
│                                      │
│      ▲ increase        ◀ left        │
│      ▼ decrease        ▶ right       │
├─────────┬─────────┬─────────┬────────┤
│  Back   │    ▲    │    ▼    │ Accept │
└─────────┴─────────┴─────────┴────────┘
```

The system will automatically return to the pre-programmed times when the holiday dates are complete. In the event of the user returning early from holidays he/she may return to the pre-programmed mode by simply pressing any key.

4.4 Disable/Enable Area

Used to set one or all zones permanently to ON | OFF | **TIMED/AUTO (recommended)**.

This option is broken down into two screens. The first [below left] allows the user to select which Zone he\she wants to change. The second [below right] is then used to specify the new settings for that Zone. The Zone's current status is also shown.

```
┌─────────────────────────────────────┐  ┌─────────────────────────────────────┐
│ Mon    01/02/2008    12:34 │  │ Mon    01/02/2008    12:34 │
│      Change Operating Mode          │  │        Status: Timed                │
│                                     │  │                                     │
│       Set Living Area               │  │     Set Hot Water to:               │
│       Set Bedroom Area              │  │                                     │
│        Set Hot Water                │  │        Timed/Auto                   │
│  ███████████████████████████████    │  │      Off Permanently                │
│        Set All Areas                │  │  ████████████████████████████       │
│  ███████████████████████████████    │  │        On Constant                  │
│                                     │  │                                     │
│ Back │  ▲  │  ▼  │ Accept │  │ Back │  ▲  │  ▼  │ Accept │
└─────────────────────────────────────┘  └─────────────────────────────────────┘
```

To Access: select **"Disable/Enable Area"** in the **main menu** and press "Accept".

To Cancel Operations: press "Back" repeatedly until you are back on the resting screen.

4.5 See Advanced Settings

This is an installer function. From this sub-menu the installer can, change the system time and date, configure the thermostat or add frost protection.

4.5.1 CHANGING SYSTEM TIME AND DATE

To change the system time and date, select "Set Time and Date" from the "Advanced Settings" menu and press "Accept".

Use the **Directional Pad** and **Selection Buttons** to operate the menu.

Directional Pad [left – right] : select day, month and year columns.

Directional Pad [up – down] : change the value of the currently selected column

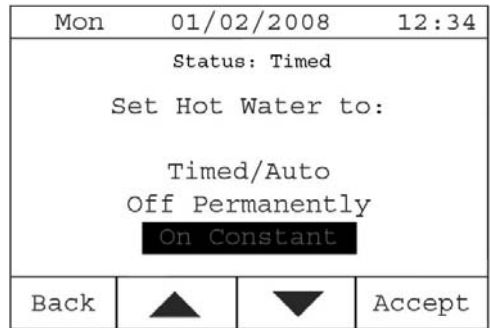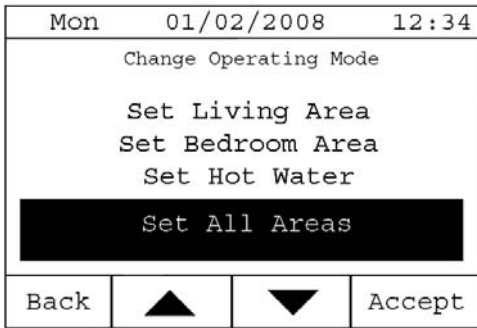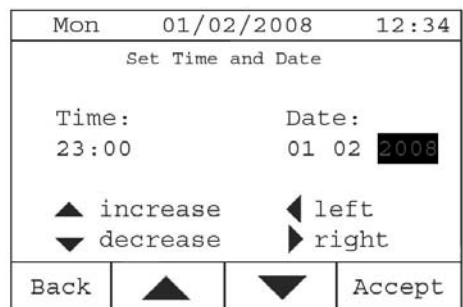**Selection Button** : press to accept changes

```
┌─────────────────────────────────────┐
│ Mon    01/02/2008    12:34 │
│        Set Time and Date            │
│                                     │
│  Time:              Date:           │
│  23:00              01 02 2008      │
│                                     │
│    ▲ increase     ◀ left            │
│    ▼ decrease     ▶ right           │
│ Back │  ▲  │  ▼  │ Accept │
└─────────────────────────────────────┘
```

Once the "Accept" button has been pressed, a confirmation screen will appear to confirm the new settings.

4.5.2 To Reconfigure the Thermostat

This is an installer function ONLY. Access the thermostat reconfiguration screen by doing the following:

1. Press "Menu" on the programmer resting screen (Boost & Advance display)
2. Select "See Advanced Settings" from the main menu
3. Select "Configure Thermostat" from the advanced menu
4. Select "Set Internal Thermostat"

Follow the on-screen instructions. The thermostat requires that a link be placed between specific terminals of the controller, so **please make sure** that you have physical access to the HomeZone controller before you begin the configuration process.

4.5.3 Activate Frost Protection

This is an installer function ONLY. Accessible by selecting "Frost Protection" from the advanced menu, see steps 1 and 2 in Section 1.1.1 (above) for details. Frost protection activates the whole system when the ambient temperature falls below -5°C.

05| PROGRAMMING THE HOMEZONE

The HomeZone may be programmed by selecting the "Set Heating Times" option from the main menu (see Section 04| for details).
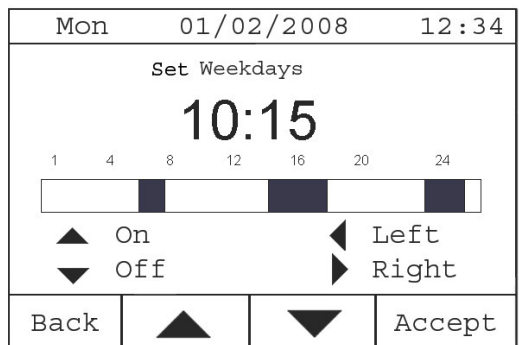
The "Set Heating Times" option can be broken down into three steps:

1. Select the Zone whose heating times you want to change. Choose from: *Living Area Heating, Bedroom Area Heating, Domestic Hot Water*

2. Select the format you would prefer:
    a. **All days same time** – a selection of on and off periods will have to be entered for one day. Every day of the week uses this same program timing.
    b. **Every day different** – a selection of on and off periods will have to be entered for each day of the week. Each one will have its own program timing.
    c. **Weekday and Weekend have different times** - a selection of on and off periods will have to be entered for weekdays and for weekends. All weekdays will work from the same program and both weekend days will work from the same program.

3. Select the ON\OFF periods on the timer bar as detailed below. Depending on the time format that you picked in the previous step, you may have to do this once, twice or seven times.

The programming screen is used to lay out the on/off segments of a selected heating area over a 24 hour period. These can be adjusted by shading areas of the time bar.

Clear areas on the time bar denote 'OFF' periods and shaded areas denote 'ON' periods. The time displayed in the centre of the screen denotes the current position of the cursor on the time bar.

When first opened, the cursor will be flashing on the extreme left of the time bar.

Mon	01/02/2008	12:34

Set Weekdays

10:15

1   4   8   12   16   20   24

▲ On   ◀ Left
▼ Off   ▶ Right

| Back | ▲ | ▼ | Accept |

Move the cursor left or right with the **Directional Pad**. The time displayed will change with the cursor movement. The cursor moves in 15 minute segments. Use the up arrow to shade or the down arrow to clear. Any number of on/off periods can be set. Press 'Accept' to confirm changes.

06| SAFETY AND EXCLUSION OF LIABILITY

This product has been tested to CE standards and conforms with EN XXXXXX

The manufacturer will not be liable for damage resulting from unauthorized use of the unit. The manufacturer's liability will also be voided in the following cases:

- If work is performed on the unit and its components in a manner that does not comply with the terms of this operating manual;
- If work is performed on the unit and its components in an improper manner;
- If work is performed on the unit that is not described in this operating manual, and this work was not expressly approved in writing by the manufacturer;
- If the unit or components in the unit are modified, redesigned or removed without the express written permission of the manufacturer.

07| APPENDIX A

7.1 Fuses

FU1	Mains	230V AC 5 Amps
FU2	Zone 1 (Living)	230V AC 1 Amps
FU3	Zone 2 (Bedroom)	230V AC 1 Amps
FU4	Zone 3 (DHW)	230V AC 1 Amps
FU7	Power Supply 51/52	230V AC 3 Amps
FU8	Power Supplies 53/54 & 55,56	230V AC 3 Amps

Fuse Type: T Anti-Surge.