

ESRTP5

# Programmable Room Thermostat

## User Instructions

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# User Instructions

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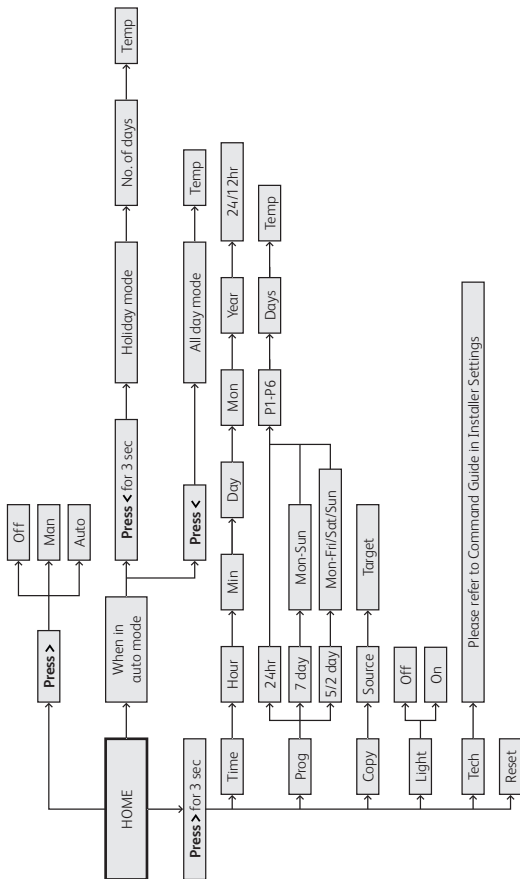
# 1. Quick operating guide

## 1.1 Display and Button Functions



- ❶ Temperature, time and data display
- ❷ 🕒 Auto operation mode
- ❸ ❄️ Off / Frost protection mode
- ❹ 🖐️ Manual operation mode
- ❺ 🔥 Flame symbol when system calling for heat
- ❻ ⬅️ Cancels and returns to the previous menu
- ❼ ➡️ Either confirms and saves the setting, or moves you to next option within a function
- ❽ Dial to adjust temperature and parameters

## 1.2 Quick Command Guide



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## 2. Setting the time and date (tInE)

***N.B. Please note, when first powered or in the event of a power loss the time will be flashing and the time and date will need to be set. Follow steps 2-6 to set the time on first setup. Changes between summer and winter time are handled automatically by the unit.***

1. **Press and hold** > until the display shows **tInE** then **press** >.
2. Turn the dial to adjust the hour then **press** >.
3. Turn the dial to adjust the minute then **press** >.
4. Turn the dial to adjust to the current day then **press** >.
5. Turn the dial to adjust to the current month then **press** >.
6. Turn the dial to adjust to the current year then **press** >.
7. Turn the dial to select between 12 or 24 hour format.  
**Press** > to confirm and return to step 2. **Press** < to return to previous menu or leave for 1 minute to automatically return to homescreen.



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## 3. Operation modes


Operation Modes:  AUTO,  MAN,  OFF.

**Press**  in homescreen to choose operation mode.

### 3.1 AUTO

- In Auto mode, choose All Day mode.  
*See section 3.2 for details.*
- In Auto mode, choose Holiday mode.  
*See section 3.3 for details.*
- Auto mode, if All Day mode or Holiday mode is not selected, Auto mode will be used. In Auto mode, the thermostat will work as per the user's previous programming setting. *See section 5 for details.*

**Temporary manual override of set temperature.** In Auto mode, the user can turn the dial to adjust the set temperature as below:

1. In homescreen, turn dial to temporarily adjust temperature - Display will flash.
2. After approximately 3 seconds the display will alternate between current room temperature and the time left until the next programmed event. The temporary override will end when the next programmed event starts.
3. Press  at anytime to cancel the temporary override.

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Temporary set temperature range: 5°C-35°C.

**N.B:** *The temporary set temperature will not replace the original program event's set temperature. When the program event ends, it will return to the default heating program automatically.*

### 3.1.1 **MAN**

Permanent manual override of set temperature.

1. In Homescreen, **press** **>** to select **MAN**.
2. Turn the dial to adjust temperature.


### 3.1.2 **OFF**

Turn the heating off permanently.

1. In Homescreen, **press** **>** to select **OFF** .

When room temperature drops to 5°C, heating is turned on; when room temperature reaches 7°C, heating is turned off.

### 3.2 **All Day Mode (AL)**

1. In homescreen, **press** **>** to select Auto mode .
2. **Press** **<** once to enter All Day mode temperature setting and the screen will display **AL**.
3. Turn the dial to adjust the set temperature.
4. **Press** **>** to confirm the set temperature and automatically return to the Homescreen. The display will alternate between **AL** and current room temperature.

To adjust the temperature in All Day mode, turn the dial to desired temperature then **press** **>** to confirm and automatically return to the homescreen.


**Press** **<** in the homescreen to exit All Day mode and return to Auto mode.

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Heating under All Day mode will be on until 23:59 that day. At 23:59, the unit will exit All Day mode and return to Auto mode.

Set temperature range: 5°C-35°C.

### 3.3 Holiday Mode (HOLI)

1. In homescreen, **press** > to select Auto mode .
2. **Press** and **hold** < for 3 seconds until **HOLI** is displayed then release.
3. Turn the dial to adjust holiday days, **press** > to confirm.
4. Turn the dial to adjust set temperature, **press** > to confirm and return to the homescreen. The display will alternate between: **HOLI**-Days(Holiday)-**HOLI**-Current room temperature.

To adjust the settings in Holiday mode, turn the dial to adjust holiday days, **press** > to confirm. Then turn the dial to adjust set temperature, **press** > to confirm and return to the homescreen.

**Press** < in the homescreen to exit Holiday mode and return to Auto mode.

Holiday mode days setting range: 1-99 days. Default: 1 day.

Set temperature range: 5°C-35°C. Default: 7°C.

**N.B:** *The Days (Holiday) will numerically countdown. Once the countdown has finished normal operation will resume. It may be advisable to set the Holiday mode 1 day less so the house is back up to temperature for your return.*

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## 4. Main menu

In the homescreen, **press** and **hold** **>** until the display shows **tInE** then release to enter main menu. Use the dial to choose between **tInE**, **ProG**, **CoPy**, **LiGH**, **tEch** and **rESE**. **Press** **>** to enter desired setting. **Press** **<** to return to Homescreen.

### 4.1 Copy Function (CoPy)

The unit is provided with a copy function which allows an adjusted programme to be copied to another day.

**N.B.** *This function only works in 7 Day setting.*

To operate the copy function:

1. **Press** and **hold** **>** until the display shows **tInE**. Turn the dial until display shows **CoPy** then **press** **>**.
2. Use the dial to select the day to be copied then **press** **>** to confirm.
3. Use the dial to select the day to be copied to then **press** **>**. The display will show **SAuE** to confirm and then return to step 2. **Press** **<** to return to previous menu or leave for 1 minute to automatically return to homescreen.

### 4.2 Backlight On/Off (LiGH)

The backlight can be turned permanently on/off.

1. **Press** and **hold** **>** until the display shows **tInE**. Turn the dial until display shows **LiGH** then **press** **>**.
2. Use the dial to choose between turning the light permanently ON or OFF. When OFF, the LED will display only with user interaction and turn off again when there is no operation for 2 minutes. **Press** **>** to confirm and

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return to previous menu **LiGH** setting range: Off/On.  
Default: Off.

**N.B.** *It is recommended to leave this setting in the default OFF mode as heat generated by the thermostat's power supply and LED will affect temperature measurement. A deviation of up to 3.5°C may occur, which will be calibrated automatically by the unit within 30 minutes of first connecting the thermostat. It is recommended to leave the thermostat to climatise for 40 minutes before user operation. If set permanently ON, the light will automatically switch to a lower light setting and be dimmer.*

#### 4.3 Resetting the Unit (rESE)

Resetting the unit will return the thermostat to default setting. The time, date and landlord service settings will all be maintained.

1. **Press** and **hold** **>** until the display shows **tInE**. Turn the dial until display shows **rESE** then **press** **>**.
2. The display will show - - - -. **Press** **>** again to confirm and the display will show **LOAD**. If the reset is successful, the unit will return to the homescreen after 2 seconds. If the reset is unsuccessful, the unit will display **FAIL**. Either **press** **>** to attempt again or **press** **<** to return to the previous menu.

## 5. Program settings

### 5.1 Factory Pre-Set Programme



This unit has been designed to be a simple to use thermostat, requiring minimal user intervention with a pre-programmed heating profile. The pre-set heating times and temperatures will suit most people (*See table below*).

Operation setting range:

5/2 day, 7 day, 24 Hour. Default: 5/2 Day.

Events setting range: 6 events or 4 events. Default: 4 events.

#### 5.1.1 Pre-Set Temperatures: 5/2 Day

Key	Event	Time	Temp	Event	Time	Temp		
  	Week Days	1	06:00	20°C	Weekdays	1	07:30	20°C
		2	08:00	15°C		2	09:30	20°C
		3	12:00	15°C		3	11:30	20°C
		4	14:00	15°C		4	13:30	20°C
		5	17:00	21°C		5	16:30	21°C
		6	22:00	15°C		6	22:30	15°C

**N.B.** *If 4 events is chosen the events 3 & 4 are skipped*

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### 5.1.2 Pre-Set Temperatures: 7 Day

In 7 day setting, the pre-set settings are the same as the 5/2 Day programme.

### 5.1.3 Pre-Set Temperatures: 24 Hours

In 24hr setting, the pre-set settings are the same as Mon-Sun of the 5/2 Day programme.

## 5.2 Setting the Operation Mode (5/2 day, 7 day, 24hr) (ProG)

1. **Press** and **hold** **>** for 3 seconds until the display shows **tInE**. Turn the dial until display shows **ProG** then **press** **>**.
2. Use the dial to move between 24hr, 7 day or 5/2 day operation.
  - 24 hr operation is shown by 24Hr.
  - 7 day operation is shown by 7day.
  - 5/2 day operation is shown by 5-2d.
3. **Press** **>** to set the programme (*See section 5.3 for details*) or **press** **<** to return to previous menu or leave for 1 minute to automatically return to homescreen.

## 5.3 Setting the Programme (ProG)

### 5.3.1 5/2 Day

1. Choose 5/2 day operation (*See section 5.2 for details*). Then **press** **>**.
2. Turn the dial to select the days to programme, either 1-5 for weekdays or 6-7 for weekends then **press** **>**.
3. Turn the dial to choose the program (**P1-P6**). Then **press** **>** to enter time setting.
4. Turn the dial to adjust the time (10 minutes increments). Then **press** **>** to enter temperature setting.

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5. Turn the dial to adjust temperature (increments of 0.5°C). Then **press >** to save and return to program choice **(P1-P6)**.
  6. Repeat steps 3-5 for all time and temperature programs. Then **press <** to return to step 2. Repeat steps 2-6 until all desired days have been programmed then **press <** to return to previous menu or leave for 1 minute to automatically return to homescreen.

### 5.3.2 7 Day

1. Choose 7 day operation (*See section 5.2 for details*). Then **press >**.
2. Turn the dial to select the day to programme (Mon-Fri) then **press >**.
3. Turn the dial to choose the program **(P1-P6)**. Then **press >** to enter time setting.
4. Turn the dial to adjust the time (10 minutes increments). Then **press >** to enter temperature setting.
5. Turn the dial to adjust temperature (increments of 0.5°C). Then **press >** to save and return to program choice **(P1-P6)**.
6. Repeat steps 3-5 for all time and temperature programs. Then **press <** to return to step 2. Repeat steps 2-6 until all desired days have been programmed then **press <** to return to previous menu or leave for 1 minute to automatically return to homescreen.



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### 5.3.3 24 Hour

1. Choose 24 hour operation (*See section 5.2 for details*).  
Then **press** ➤.
2. Turn the dial to choose the program (**P1-P6**).  
Then **press** ➤ to enter time setting.
3. Turn the dial to adjust the time (10 minutes increments).  
Then **press** ➤ to enter temperature setting.
4. Turn the dial to adjust temperature (increments of 0.5°C).  
Then **press** ➤ to save and return to program choice (**P1-P6**).
5. Repeat steps 2-4 for all time and temperature programs.  
Then **press** ◀ to return to previous menu or leave for 1 minute to automatically return to homescreen.

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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** or for technical queries call us on our dedicated technical helpline **07539 117468**.

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