

**Easy User Guide** 

## **TP5001**

# Programmable Room Thermostat

BC337370422703en-000102 | 087R1003

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#### What is a programmable room thermostat?

A programmable thermostat allows you to set times at which you want you heating to be at a specific temperature. A room thermostat works by sensing the air temperature and switching on the heating when the air temperature falls below the thermostat setting, switching it off once this set temperature has been reached. The TP5001 programmable room thermostat has made intelligent heating control easier than ever before.

#### **Setting Time and Date**

- a. Press ( button , the screen will change to show the current year.

#### **Advanced Programmable Timer**

The Advanced Programmable Timer mode enables the setting of a timer-controlled program for automatic comfort temperature, and an energy-saving lower setback temperature if standard room comfort temperature is not required.

Example below for 5/2 day setup, 4 Temperature settings

The function consists of 2 programs:

P1 with 4 events over weekdays (Mon. To. Fri.)

P2 with 4 events over weekends (Sat. Sun.).

P1: Press 🖰 once to activate product. The press 🖰 for 3 seconds to display Mo. Tu. We. Th. Fr.

## P1, Event 1:

- 1. Use **〈** or **〉** to select the start hour.
- 2. Press ( to accept the setting.
- 3. Use **<** or **>** to set the minute.
- 4. Press () to accept the setting.
- 5. Use **\( \)** or **\( \)** to select the temperature.
- 6. Press ( to accept the setting.

## P1, Event 2–4:

Repeat the Event 1 procedure for programming Events 2–4.

**P2**: Sa. Su. are now shown in the display.

#### P2, Event 1

- 1. Use  $\triangleleft$  or  $\triangleright$  to select the start hour
- 2. Press to accept the setting.
- 3. Use **<** or **>** to set the minute.
- 4. Press ( to accept the setting.
- 5. Use **\( \)** or **\( \)** to select the temperature.
- 6. Press ( to accept the setting.

#### P2, Event 2-4:

Repeat the Event 1 procedure for programming Event 2–4.

If the working mode is set to 24hr, only P1 program will be available (same times each day of the week), to change this see the User settings section of this document.

### **Display and Navigation Details**



| Display & Navigations    |  |          |  |  |  |
|--------------------------|--|----------|--|--|--|
| Symbols                  | Function description                         | Symbols  | Function description                               |  |  |
| Mon – Sun                | Current set day                              | 4        | Schedule mode                                      |  |  |
| 0234                     | Current on/off period                        |          | Holiday mode                                       |  |  |
| AM JŪJ.JŪJ<br>PM JŪJ.JŪJ | Current set time / parameter number in setup | Ī        | RF Status<br>(TP5001RF only)                       |  |  |
|                          | Room temperature                             |          | Battery low indicator<br>(TP5001B & TP5001RF only) |  |  |
|                          | Temperature indication                       | ψ        | Power on/off                                       |  |  |
| ↓<br>SET                 | Set temperature                              | <u>(</u> | Timer and program operation                        |  |  |
| <u> </u>                 | Heating active                               | М        | Mode change / option setting                       |  |  |
| *                        | Frost protect active                         | < >      | Temperature / option setting selectors             |  |  |

#### **Setting/Changing the Temperature**

- a. Press 
   at any time to change the desired temperature value. SET is shown in the display.

#### **Holiday Mode**

Holiday Mode selects the comfort temperature typically when the home is unoccupied

- **a.** Press **M** to enter into Holiday mode and  $\square$  will be displayed.
- **b.** Holiday mode temperature can be set in User settings, 07.
- c. Press M again to exit Holiday mode.

#### **Frost Protection Temperature**

- a. The thermostat is turned OFF (Standby) mode by pressing (j). In OFF (Standby) mode the thermostat is set to Frost Protect temperature setting and will switch the output On if the measured temperature falls below the frost protection temperature setting.
- b. Frost protect icon and current temperature will be display.

#### **User Settings**

- a. Press M button once to illuminate screen, next press M for 6 seconds to enter the User setting mode. Press M for parameter selection and set the parameter range via or ➤. Complete all adjustments.
- **b.** To exit press (), automatic exit after 20 seconds when no button is pressed.

| No. | Parameter settings            | Settings range   | Default |
|-----|-------------------------------|--|---------|
| 01  | Working mode                  | 01: Manual<br>02: Schedule timer 5/2 day<br>03: Schedule timer 24hr            | 02      |
| 02  | Heat control mode             | 01: On/off load compensation 02: On/off standard                               | 01      |
| 03  | Heat control start-up<br>mode | 01: Normal start control 02: Delayed start control 03: Optimised start control | 01      |
| 04  | Temperature limit high        | Between low (05) and 35° C   | 35° C   |
| 05  | Temperature limit low         | Between 5° C and high (04)   | 5° C    |
| 06  | Frost protect temperature     | Between 5° C and 15° C   | 5° C    |
| 07  | Holiday mode temperature      | Between low (05) and high (04)   | 18° C   |
| 08  | Timer display                 | 01: 24hr<br>02: 12hr   | 24hr    |
| 09  | Service due setup             | Installer setting only   |         |
| 10  | RF Pairing (TP5001RF only)    | 00: RF pairing mode off<br>01: RF pairing mode on                              | 00      |
| 11  | Auto daylight saving          | 01: On<br>02: Off  | 01      |

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