



# fastwarm HM-01-16A Digital Programmable Thermostat Instruction Manual

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**fastwarm HM-01-16A Digital Programmable Thermostat**



### What is a programmable room thermostat?

- A programmable room thermostat is both a programmer and a room thermostat.
- A programmer allows you to set “On” and “Off” periods to suit your own lifestyle.
- A room thermostat works by sensing the air temperature, switching on the heating when the air temperature falls below the thermostat setting, and switching it off once this set temperature has been reached.
- So a programmable room thermostat lets you choose what times you want the heating to be on, and what temperature it should reach while it is on. It will allow you to select different temperatures in your home at different times of the day (and days of the week) to meet your particular needs and preferences.
- Setting a programmable room thermostat to a higher temperature will not make the room heat up any faster. How quickly the room heats up depends on the design and size of the heating system.
- Similarly reducing the temperature setting does not affect how quickly the room cools down. Setting a programmable room thermostat to a lower temperature will result in the room being controlled at a lower temperature, and saves energy.
- The way to set and use your programmable room thermostat is to find the lowest temperature settings that you are comfortable with at the different times you have chosen, and then leave it alone to do its job.
- The best way to do this is to set the room thermostat to a low temperature – say 18°C, and then turn it up by 1°C each day until you are comfortable with the temperature.
- You won't have to adjust the thermostat further. Any adjustment above this setting will waste energy and cost you more money.
- You are able to temporarily adjust the heating program by overriding or using the temperature hold feature. These features are explained further on pages 16 and 17 of this manual.

- Programmable room thermostats need a free flow of air to sense the temperature, so they must not be covered by curtains or blocked by furniture. Nearby electric fires, televisions, wall or table lamps may also prevent the thermostat from working properly.

## Installation Procedure

### ✓ Do

- Mount the thermostat at eye level.
- Read the instructions fully so you get the best from our product.

### × Don't

- Do not install near to a direct heat source as this will affect functionality.
- Do not push hard on the LCD screen as this may cause irreparable damage.

This thermostat is designed to be flush mounted and requires a back box of 35mm (minimum depth) to be sunk into the wall prior to installation.

## Installation

### Step 1

Using a small screwdriver, slightly loosen the screw from the bottom face of the thermostat. You can then carefully separate the front half from the back plate.



### Step 2

Place the thermostat LCD front plate somewhere safe. Terminate the thermostat as shown in the diagram on page 26 of this booklet.



### Step 3

Screw the thermostat's back plate securely into the back box.




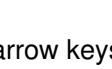





### Step 4

Replace the front of the thermostat onto the back plate, by locating the pins in the socket then insert the top edge first. Now push in the bottom edge, securing it in place with the retaining screw.



### Mode Select

ProDigital™ can either be used as a thermostat or a time clock. Thermostat mode is the default setting. To change between thermostat & time clock modes, follow these steps.

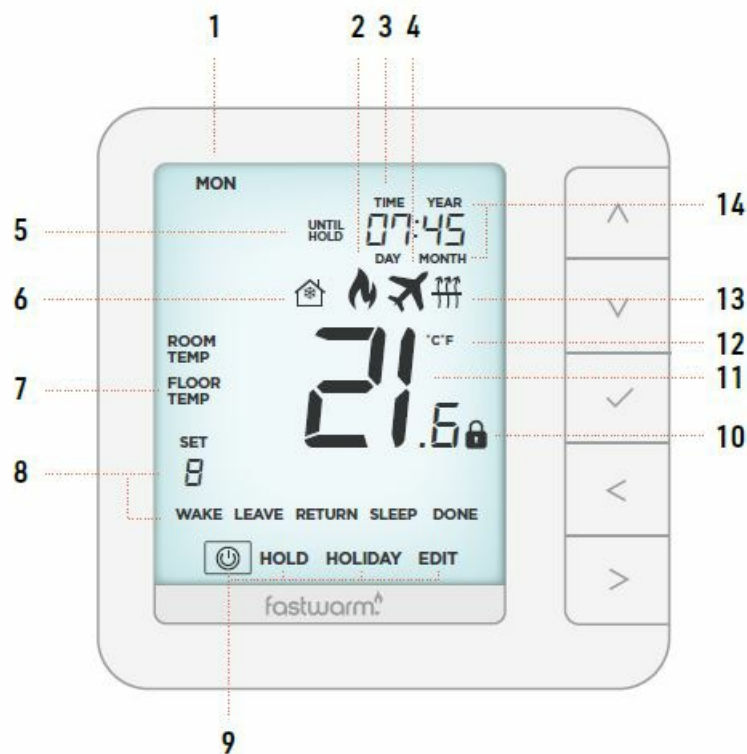
- Use the 'Left/Right'   arrow keys to highlight  then press and hold the ✓ button for 3 seconds. At this point the screen will go blank showing only 'SETUP' and 'CLOCK'.
- Tap either of the 'Up' or 'Down'   arrow keys to highlight 'SETUP', then hold the ✓ key for 10 seconds. The ProDigital™ will factory reset then provide 2 selectable mode options.
- Use the Left / Right keys to scroll between modes  
- Mode 1 = Thermostat. Mode 2 = Time Clock. Note: the selected option will flash.
- Press the ✓ key to confirm selection.
- The ProDigital™ will reset all parameters and restart in the selected mode.

**Note:** The Mode Select function will reset all parameters that were entered during the setup operations. These processes must be repeated after the restart has completed.

## Mode 1 Thermostat



## LCD Display





1. Day Indicator – Displays the day of the week.
2. Flame Symbol – Displayed when the thermostat is calling for heat and flashes when optimum start is active.
3. Clock – Time displayed in 24 hour format.
4. Holiday – Displayed when the thermostat is in holiday mode.
5. Until & Hold Left – ‘Until’ displayed during a temperature override. ‘Hold Left’ appears when a temperature hold is active, plus the remaining time will be shown.
6. Frost Icon– Displayed when frost protection is enabled.

7. Floor/Room Temp & Set – Indicates the displayed sensor mode and when changes are being made to the current set point.
8. Program Indicators – Displayed during programming to show which period is being altered.
9. Main Menu – Highlighted text indicates selected option.
10. Keypad Lock Indicator – Displayed when the keypad is locked.
11. Temperature – Displays the current sensor temperature.
12. Temperature Format – Degrees Celsius or Fahrenheit.
13. Floor Limit Symbol – Displayed when the floor probe has reached the floor temperature limit configured in the setup menu.
14. Time/Day/Month/Year – Displays when setting the Clock/Calendar or a Holiday Period.











## Power On/Off

The heating is indicated ON when the flame icon is displayed. When the Flame Icon is absent, there is no requirement for heating to achieve the set temperature but the thermostat remains active.

- To turn the thermostat off completely, scroll   to the Power Icon and hold the ✓ key for approximately 3 seconds until the display goes blank
- The display and heating output will be turned OFF.
- To turn the thermostat back ON, press the ✓ key once.

## Setting the Time and Date

To set the clock, follow these steps.

- Use the 'Left/Right'   arrow keys to highlight  then press and hold the ✓ button for 3 seconds. At this point the screen will go blank showing only 'SETUP' and 'CLOCK'.
- Tap the 'Up'  followed by 'Right'  keys to highlight 'CLOCK'.
- Press ✓ to confirm selection ('Hour' digits will now flash).
- Use the 'Up/Down' arrow keys   followed by ✓ to set the 'Hours'.
- Use the 'Up/Down' arrow keys   followed by ✓ to set the 'Minutes' Repeat the previous two steps to set the date ('Day, Month & Year').
- Display will go blank once completed.
- Press the 'Down' arrow key  followed by ✓ to return to the main display.

## Temperature Display

This thermostat can be configured for different sensor options such as built sensor, floor sensor or both. The display will clearly indicate which sensor is being used by showing either 'ROOM TEMP' or 'FLOOR TEMP' to the left of the actual value.



## Room Temperature








## Floor Temperature

- When the ProDigital™ is set to use both the air & the floor sensor, the room temperature will be displayed by default.
- To view the current floor temperature, press and hold the Left and Right arrow keys < > for 5 seconds, the floor temperature will then be displayed.





### Edit the Comfort Levels

- The ProDigital™ offers three program mode options; Weekday/Weekend, 7 Day and 24
- Hour programming. There is also the option to use the ProDigital™ as a manual thermostat.
- The thermostat is supplied with comfort levels already factory programmed, but these can be changed easily. The default times and temperature settings are;
- 07:00 – 21°C Wake (1) 09:00 – 16°C Leave (2) 16:00 – 21°C Return (3) 22:00 – 16°C Sleep (4) Unused levels must be set to –:– so that the thermostat will skip these and continue on to the next programmed time.
- For Weekday/Weekend programming, the four comfort levels are the same for Mon-Fri, but can be different for Sat-Sun. For 7 Day programming each day of the week can have four different comfort levels. In 24 Hour mode all days are programmed with the same comfort levels.
- To program the 'Comfort Levels', use the 'Left/Right' keys < > to scroll to 'EDIT' .
- Press ✓ to confirm selection .
- Use the 'Left/Right' keys < > select day/period of week (the selection will flash) .
- Press ✓ to confirm selection 'Level 1' will now flash and the current time and temperature setting will be shown.
- Press ✓ to alter 'Wake (1)' settings.
- Use the 'Up/Down arrow keys ^ v to set the hours.
- Press ✓ to confirm
- Use the 'Up/Down' keys ^ v to set the 'Minutes'

- Press ✓ to confirm
- Use the 'Up/Down' keys   to set the temperature
- Press ✓ to confirm the settings
- Press the 'Right' arrow key . 'Level 2' will now flash and the current settings will be displayed.
- Press ✓ to alter 'Leave (2)' settings
- Repeat these steps to set all comfort levels.
- For any unused periods set time to --:--
- Use the 'Left/Right' keys   to scroll to 'DONE' and press ✓

You can set up to a maximum of 6 levels by enabling these in the feature menu.

## Temperature Control









- The 'Up/Down' keys   allow you to adjust the set temperature
- When you press either key, you will see the word 'SET' and the desired temperature value.
- Use the 'Up/Down' keys   to adjust the 'SET' value
- Press ✓ to confirm settings and return to the main display



**Note:** This new temperature is maintained only until the next programmed comfort level. At this time, the thermostat will revert back to the programmed levels.

## Temperature Hold

The temperature hold function allows you to manually override the current operating program and set a different temperature for a desired period.

- Use the 'Left/Right' keys   to scroll to 'Hold' and press ✓
- Repeatedly tap the 'Up/Down' keys   to set the desired 'Hold' time (Hours) then press ✓ Minutes will now flash.
- Repeatedly tap the 'Up/Down' keys   to set the desired 'Hold' time (Minutes) then press ✓
- Use the 'Up/Down' keys   to set the desired 'Hold' temperature



- Press ✓ to confirm selection


You will see the 'HOLD LEFT' indication is displayed on screen. The time will countdown the set duration and then revert to the normal program.

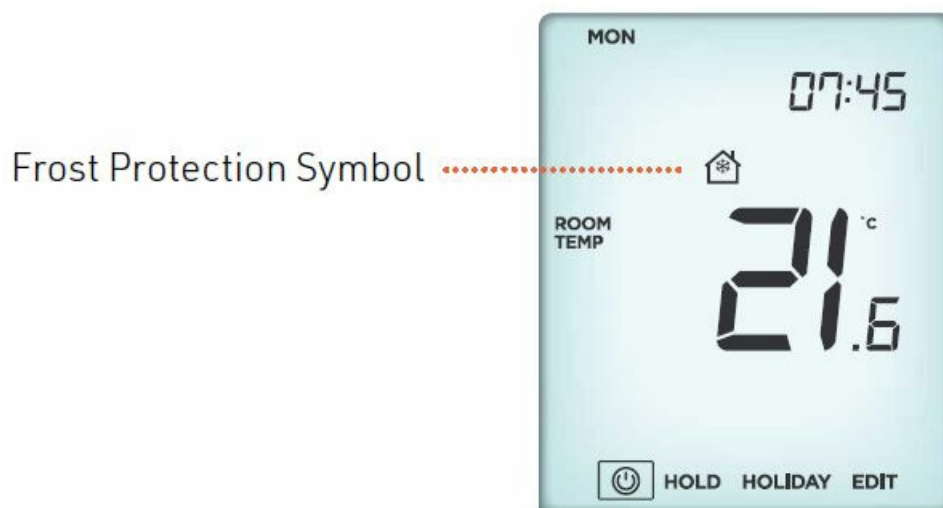
### Cancel/Edit Temperature Hold

- Use the 'Left/Right' keys < > to scroll to 'Hold' and press .
- While 'CANCEL' is highlighted press to cancel 'Hold' and return to normal operation .
- Alternatively, press the 'Left' arrow key ' < to highlight 'EDIT' then press ✓ to adjust current 'Hold' settings.

To edit 'Hold' settings follow the same procedure as indicated in the steps at the top of this page.



### Frost Protection


- Use the 'Left/Right' keys < > to scroll to the 'Power Icon'  .
- The frost icon will toggle ON/OFF each time is ✓ pressed .
- Frost Protection Symbol.
- In this mode, the edge-e will display the frost icon and will only turn the heating 'ON' should the room temperature drop below the set frost temperature. If the heating is turned 'ON' whilst in frost mode, the flame symbol will be displayed.
- To cancel the frost protect mode, navigate to the 'Power Icon' again, then press ✓



### Locking the Thermostat



The ProDigital™ has a keypad lock facility. To activate the lock follow these steps.

- Use the 'Left/Right' keys < > to scroll to Hold & press for ✓ 7 seconds. The display will show 0000. At this point enter a four digit pin number.
- Use the 'Up/Down' keys to   enter values.
- Use the 'Left/Right' keys < > to move between digits.

- Press ✓ to confirm
- The display will return to the main screen and display the keypad lock indicator 

**Note:** The keypad lock indicator is only displayed when the lock is active.

### Unlock the Thermostat

- To unlock the ProDigital™ press ✓ once .
- The display will show 0000. At this point enter the four digit pin number you set previously.
- Use the 'Up/Down' keys  to enter values
- Use the 'Left/Right' keys  to move between digits
- Press ✓ to confirm. The display will unlock and return to the main screen.

### Holiday

In time clock mode; the timed output will be turned off during the holiday period, then return to the programmed settings once the holiday period finishes. In thermostat mode; the holiday function reduces the set temperature in your home to the frost mode temperature setting that is configured in the setup menu. The ProDigital™ will maintain this temperature for the duration of the holiday and will then automatically return to the program mode on your return.

### Documents / Resources



[fastwarm HM-01-16A Digital Programmable Thermostat](#) [pdf] Instruction Manual  
HM-01-16A, HM-01-16A Digital Programmable Thermostat, Digital Programmable Thermostat, Programmable Thermostat, Thermostat

### References

-  [Underfloor Heating Company | We Won't Be Beaten on Price!](#)