



PIPELIFE FLOORTHERM
Thermostat p1

PIPELIFE 
always part of your life

Model: Thermostat p1





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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.

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 diagrams on pages 26 - 28 of this booklet.

Step 3

Screw the thermostats 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.

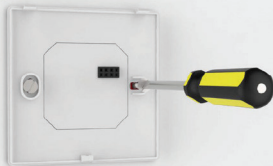
1



2



3



4





Mode Select

Thermostat p1 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   

This thermostat 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..... 

Thermostat p1 will reset all parameters and restart in the selected mode.

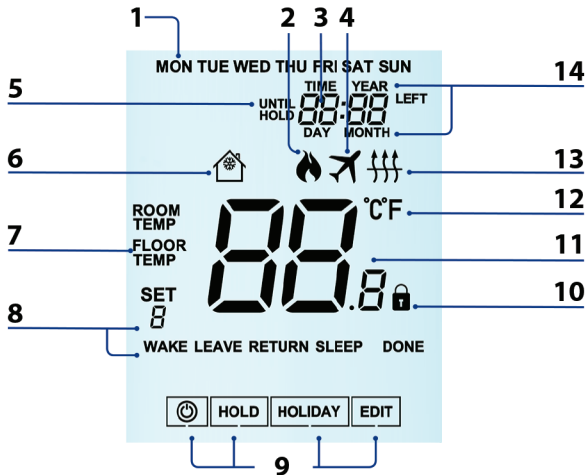
Note: The Mode Select function will reset all parameters that were entered during the set-up operations. These processes must be repeated after the restart has completed.

1

Mode 1 - Thermostat



LCD LCD Display





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 < > ✓

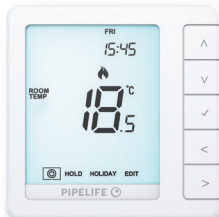
The display and heating output will be turned OFF.

To turn the thermostat back ON, press the ✓ key once ✓

Thermostat completely OFF



Thermostat powered ON





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' ^ v ✓
- Use the 'Up/Down' arrow keys followed by ✓ to set the 'Minutes' ^ v ✓

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 the actual value.



Room Temperature



Floor Temperature

When the thermostat 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

Thermostat p1 offers three program mode options; Weekday/Weekend, 7 Day and 24 Hour programming. There is also the option to use this device 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 device 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 to 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' keys to set the 'Hours' ^ v
- Press ✓ to confirm ✓
- Use the 'Up/Down' keys to set the 'Minutes' ^ v
- Press ✓ to confirm ✓
- Use the 'Up/Down' keys to set the temperature ^ v
- 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 (see page 23)



Temperature Control

The 'Up/Down' keys allow you to adjust the set temperature ^ v

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 ^ v

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 ✓ ^ v ✓
- Minutes will now flash.
- Repeatedly tap the 'Up/Down' keys to set the desired 'Hold' time (Minutes) then press ✓ ^ v ✓
- Use the 'Up/Down' keys to set the desired 'Hold' temperature ^ v ✓
- 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'..... < > ⏻

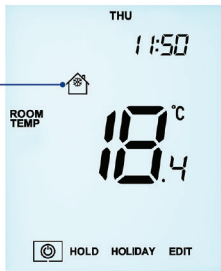
The frost icon will toggle ON/OFF each time ✓ is pressed ✓

In this mode, the thermostat 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 and press ✓.....✓

Frost Protection Symbol





Locking the Thermostat

Thermostat p1 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 ^ v
- 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.



Unlocking the Thermostat

- To unlock the device 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 ^ v
- Use the 'Left/Right' keys to move between digits < >
- Press ✓ to confirm ✓

The display will unlock and return to the main screen.



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.

Thermostat p1 will maintain this temperature for the duration of the holiday and will then automatically return to the program mode on your return.

To set a 'Holiday'

- Use the 'Left/Right' keys to highlight 'HOLS' then press ✓ < > ✓
- Enter the return time (hours) by using the 'Up/Down' keys then press
✓ to confirm ^ v ✓
- Enter the return time (minutes) by using the 'Up/Down' keys then press
✓ to confirm ^ v ✓
- Repeat these steps to set 'Day', 'Month' & 'Year' ^ v ✓

The display will now show ✈ and indicate 'Frost Protection Active'

To view or change the 'Set' frost temperature while in 'Holiday' mode,
press the 'Up/Down' keys followed by ✓ to confirm ^ v ✓



Optional Settings Explained

THE FOLLOWING SETTINGS ARE OPTIONAL AND IN MOST CASES NEED NOT BE ADJUSTED.

Temperature Format: This function allows you to select between °C and °F.

Switching Differential: This function allows you to increase the switching differential of the thermostat. The default is 1°C which means that with a set temperature of 20°C, the thermostat will switch the heating on at 19°C and off at 20°C. With a 2°C differential, the heating will switch on at 18°C and off at 20°C. Condition: Whilst “Optimum Start” is in effect the ‘Switching Differential’ shall default to 1°C/F

Output Delay: To prevent rapid switching, an output delay can be entered. This can be set from 00 - 15 minutes. The default is 00 which means there is no delay.

Condition: Output delay will not be in effect while ‘Optimum Start’ is running.

Temperature Up/Down Limit: This function allows you to limit the use of the up and down keys. This limit is also applicable when the thermostat is locked and so allows limited control of the heating system.

Sensor Selection: On this thermostat, you can select which sensor should be used. You can select between air temperature only, floor temperature, or both. When you enable both sensors, the floor sensor is used as a floor limiting sensor and is designed to prevent the floor from overheating.

Floor Temp Limit: When the Floor Sensor has been enabled in feature 05, you can set a floor limiting temperature between 20-45°C, this protects the floor from overheating. (27°C is the default).

Optimum Start: Optimum start will delay enabling of the heating system to the latest possible moment avoiding unnecessary heating and ensure the building has reached its desired temperature at the programmed time. The thermostat uses the rate of change information to calculate how long the heating needs to raise the building temperature 1°C.

Rate of Change: Number of minutes to raise the temperature by 1°C.

Note: The user cannot change this feature and is for information only.

Programming Mode: The following program modes are available;

- 5/2 Day Programming – 4 levels for the weekdays and 4 different levels for the weekend.
- 7 Day Programming – 4 levels for each day.
- 24 Hours – 4 levels over a 24 hour period.
- Non-Programmable – Basic up/down override temperature control.

Daylight Saving Time (DST): is where the thermostat sets the clocks forward one hour from 'Standard Time' during the summer months, and back again in autumn, in order to make better use of natural daylight.

Program Type: You can select between 4 or 6 program/comfort levels.



Optional Settings - Feature Table

FEATURE	DESCRIPTION	SETTING
01	Temperature Format	00 = °C, 01 = °F (00 = Default)
02	Switching Differential	00 = 0.5°C, 01 = 1.0°C (Default) 02 = 2.0°C, 03 = 3.0°C
03	Output Delay	00 - 15 Minutes (00 = Default)
04	Up/Down Temperature Limit	00° - 10°C (00° = Default)
05	Sensor Selection	00 = Built in Sensor (Default) 01 = Floor Sensor Only 02 = Built in Sensor with Floor Sensor
06	Floor Temperature Limit	20°C - 45°C (28°C Default)
07	Optimum Start	00 = Disabled (Default) 01 = 1 Hour 02 = 2 Hours 03 = 3 Hours 04 = 4 Hours 05 = 5 Hours
08	Rate of Change	Information Only
09	Program Mode	00 = 5/2 01 = 7 Day 02 = 24 Hour 03 = None programmable
10	(DST) Daylight Saving	00 = Disabled (Default) 01 = Enabled
11	Program Type	00 = 4 Comfort Levels (Default) 01 = 6 Comfort Levels



Adjusting the Optional Settings

Use the 'Left/Right' arrow keys to highlight  then press and hold the

✓ button for 3 seconds.....< > ✓

The display will go blank showing only  'Setup' and 'Clock'

• Press the 'Up' key followed by twice ✓ to access main feature menu ^^ ✓



• Use the 'Up/Down' keys to scroll through features ^ v

• Use the 'Left/Right' keys to change feature setting < >

• When all required changes have been made press ✓ to confirm settings and return to the blank display ✓

• Use the 'Down' key to select  then press ✓ once to power on v ✓



Re-calibrating the Thermostat p1

This thermostat is factory set and need not re-calibrating under normal operation!

To calibrate, follow the step below.

- Use the 'Left/Right' keys to scroll to the Power Icon < > 
- Press and hold  to turn the display 'OFF'..... 
- Press and hold the  and 'Down' keys together for 10 seconds  

The current temperature will appear on the display.

- Use the 'Up/Down' keys to configure the new temperature value  
- Press the  key to confirm the change and the display will go blank 
- Press the  key once to turn the thermostat 'ON' 



Error Codes

This thermostat will display an error code if there is a fault with the temperature sensor, these error codes are explained below.

E0 = The internal sensor has developed a fault.

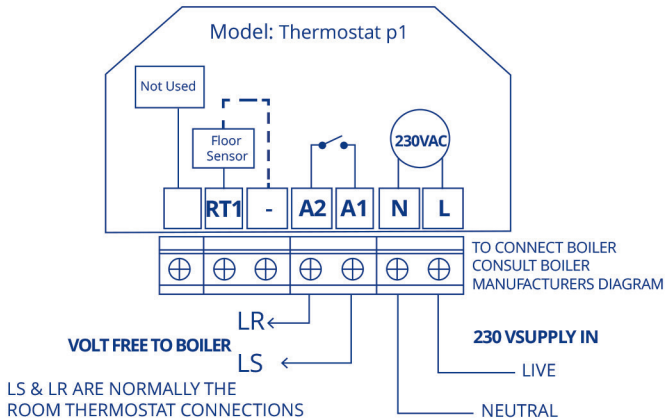
E1 = The remote FLOOR probe has not been connected.

The remote FLOOR probe has not been wired correctly.

The remote FLOOR probe is faulty.



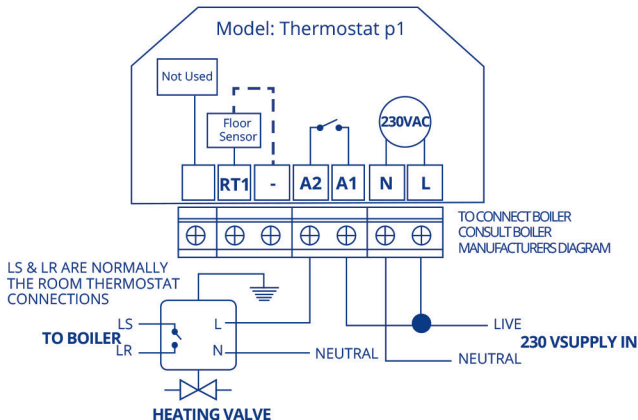
Wiring Diagram - Volt Free Output



This product must only be installed by a qualified electrician and comply with local installation regulations.



Wiring Diagram - Switch Live to Valve



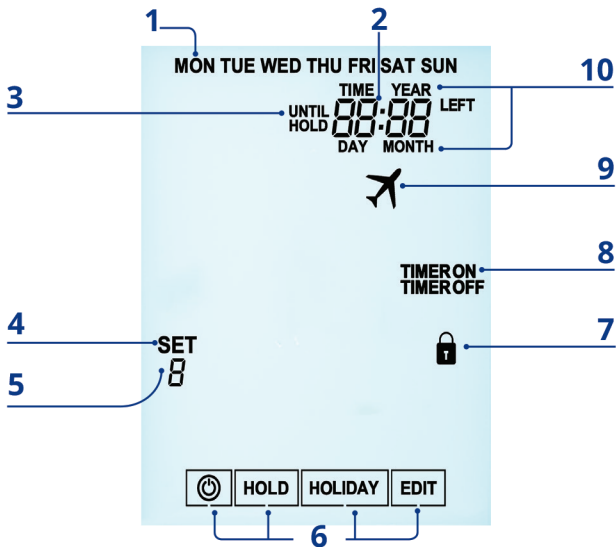
This product must only be installed by a qualified electrician and comply with local installation regulations.



This product must only be installed by a qualified electrician and comply with local installation regulations.

2 Mode 2 - Time Clock







LCD Display

1. Day Indicator - Displays the day of the week.
2. Clock - Time displayed in 24 hour format.
3. Until & Hold Left - 'Until' displayed during a timer override. 'Hold Left' appears when a hold is active, plus the remaining time will be shown.
4. Set - Indicates when changes are being made.
5. Program Indicator - Displayed during programming to show which period is being altered.
6. Main Menu – Highlighted display indicates selected option.
7. Keypad Lock Indicator – Displayed when the keypad is locked.
8. Timer Status – Displays the current status of the timed output.
9. Holiday – Displayed when the time clock is in holiday mode.
10. Time/Day/Month/Year - Displays when setting the Clock/Calendar or a Holiday Period.



Setting the Switching Times

To program the switching times, follow these steps.

- Use the 'Left/Right' keys to scroll to 'EDIT'..... < >
- Press ✓ to confirm selection..... ✓
- Use the 'Left/Right' keys to select the day/period to program..... < >
- Press ✓ to confirm selection ✓
- Level '1' will now flash and the 'ON' time will be displayed.
- Press ✓ to alter Level '1' ✓
- To set the 'ON' time, use the 'Up/Down' keys to set the hours, followed by ✓, then use 'Up/Down' to set the minutes ^ v ✓ ^ v
- Press ✓ to confirm ✓
- To set the 'OFF' time, use the 'Up/Down' keys to set the hours, followed by ✓, then use 'Up/Down' to set the minutes ^ v ✓ ^ v
- 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 Level '2' settings..... ✓
- Repeat these steps to set all periods.
- To blank or set a switching level period to unused, first select the switching level then set --:-- in place of the time.
- When all switching times have been programmed use the 'Right' arrow key to select 'DONE' and press ✓ > ✓



Timer Override

To override the timed output 'ON/OFF', follow these steps.

- Use the 'Left/Right' keys to highlight 'HOLD' then press ✓ < > ✓
- Use the 'Up/Down' keys to set the hours then press ✓ ^ v ✓
- Use the 'Up/Down' keys to set the minutes then press ✓ ^ v ✓
- Use the 'Up/Down' keys to set output On or OFF then press ✓ to confirm ^ v ✓

Hold Left and the remaining time will now be displayed.

To cancel Timer Override

- With 'HOLD' highlighted, press ✓ twice ✓ ✓



Optional Settings Explained

Programming Mode: The following program modes are available;

- **5/2 Day Programming** - 4 On/Off switching times for the weekdays and 4 On/Off switching times for the weekend.
- **7 Day Programming** - 4 individual On/Off switching times for each day.
- **24 Hours** - 4 On/Off switching times over a 24 hour period.
- **Manual** - No switching times only countdown timer.

Daylight Saving Time (DST): is where the thermostat sets the clocks forward one hour from Standard Time during the summer months, and back again in autumn, in order to make better use of natural daylight.



Optional Settings - Feature Table

FEATURE	DESCRIPTION	SETTING
01	Program Mode	00 = 5/2 (Default), 01 = 7 Day, 02 = 24 Hour 03 = Manual Countdown Timer
02	Daylight Saving Time (DST)	00 = Disabled (Default) 01 = Enabled



Adjusting the Optional Settings

Use the 'Left/Right' arrow keys to highlight  then press and hold the

✓ button for 3 seconds < > ✓

The display will go blank showing only  'Setup' and 'Clock'

• Press the 'Up' key followed by twice ✓ to access main feature menu ^ ✓ ✓

Feature No.



Feature Setting

• Use the 'Up/Down' keys to scroll through features ^ v

• Use the 'Left/Right' keys to change feature setting < >

• When all required changes have been made press ✓ to confirm settings and return to the blank display ✓

• Use the 'Down' key to select  then press ✓ once to power on v ✓



Notes

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Notes

This image shows a full page of primary-ruled notebook paper. It features ten sets of horizontal lines across the page. Each set consists of a solid top blue line, a dashed middle blue line, and a solid bottom blue line, providing a guide for letter height and placement. The background is white, and there are no margins or other markings present.

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