

LP20RF & DIGISTAT+RF

Radio frequency controlled room thermostat with dual channel programmer

Part number RF562DR



Spares Part number 22590DR

Spares Part number 31003

Support

40I Southway Drive
Plymouth
PL6 6QT
United Kingdom

Technical: +44(0)333 6000 622

customer.care@draytoncontrols.co.uk
www.draytoncontrols.co.uk

@DraytonHeating
/DraytonControls

Drayton
by **Schneider** Electric



For GREENSTAR CDi, GREENSTAR i JUNIOR and GREENSTAR Si MODELS also GREENSTAR i SYSTEM and GREENSTAR CDi SYSTEM MODEL (only when used with the optional integral diverter).

Installation & User Guide

401 Southway Drive
Plymouth
PL6 6QT
United Kingdom

Technical: +44(0)333 6000 622

customer.care@draytoncontrols.co.uk
www.draytoncontrols.co.uk

@DraytonHeating
 /DraytonControls

PLEASE READ THESE INSTRUCTIONS CAREFULLY BEFORE STARTING.

These instructions are applicable to the Drayton model(s) stated on the front cover of this manual only and must not be used with any other make or model.

These instructions apply in the UK only and should be followed except for any statutory obligation.

If you are in any doubt contact the Drayton technical helpline.

This accessory must be fitted by a competent person. Failure to comply could lead to prosecution.

Leave these instructions with the user or at the appliance.

- Symbols**
- Central Heating
 - Domestic Hot Water
 - Radio Frequency (RF) Transmitter

- Abbreviations**
- CH** = Central Heating
 - DHW** = Domestic Hot Water
 - RF** = Radio Frequency
 - DLS** = Daylight Saving
 - BST** = British Summer Time
 - GMT** = Greenwich Mean Time
 - C** = Celsius (Centigrade)
 - IP** = Ingress Protection
 - V** = Volt
 - m** = metre
 - mA** = milliAmpere

Definitions (DLS/BST)

Summer time begins: Last Sunday in March at 1:00 am GMT (Clocks are put forward by 1 hour)

Summer time ends: Last Sunday in October at 2:00 am BST (Clocks are put back by 1 hour)

Protect your environment

Schneider Electric
35 Rue Joseph Monier
France-92500 Rueil Malmaison

se.com/contact

Proper battery recycling

Electronic devices and batteries, rechargeable or not, should not be disposed of into ordinary household waste. Instead, they must be recycled properly to protect the environment and cut down the waste of precious resources. Your local waste management authority can supply details concerning the proper disposal of batteries.

Technical Data 2

Installation Guide 3

- LP20RF Installation 4
- Wireless Commissioning & Signal Strength..... 5-6
- Signal Strength 7

User Guide 8

- Digistat+RF Room Thermostat**..... 9
 - Advanced Features 10-12
 - Tamper Proofing / Fault Diagnosis / Battery Replacement 12
- LP20RF Programmer & Receiver** 13
 - The Standard Program..... 14
 - Changing the Program 15-20

Maintenance 21

Technical Data

| | Digistat+RF Transmitter Thermostat | LP20RF Receiver |
|--|---|--------------------------------------|
| Power supply | 2xAA 1.5V alkaline batteries | 24Vd.c. less than 65mA |
| Radio frequency | 433 MHz | 433 MHz |
| Radio signal range | 30m typically. The range may be affected by the composition / density and number of walls between the Digistat+RF and LP20RF. | |
| Temperature setting range | 5°C to 30°C | |
| Control Accuracy | + 0.5°C @ 20°C | Better than ±1 second per day @ 25°C |
| Ambient Temperature (Operating) | 0°C to 50°C | 0°C to 50°C |
| Ambient Temperature (Storage) | -20°C to 55°C | -- |
| Humidity operating range | -- | 30 - 95 % non condensing up to 45°C |
| Mounting | Suitable for surface mounting | |
| Wiring | No wiring required | |
| Class of protection / Degree of protection | IP30 | IP24 |
| Battery back up time & date | 10 years min. | 10 years min. |
| Shortest switching period | 1 minute | 1 minute |
| Energy Class | IV = 2% (Acc. EU 811/2013, 812/2013, 813/2013, 814/2013) | |
| Pollution Class | 2 | 2 |
| Software Class | A | A |
| Ball pressure test | 90°C | 90°C |
| Software version | 6712060 | -- |
| Max. radiated power | +7.5 dBm (5.6mW) | -- |

Relevant EU Directives:

2014/53/EU - RED
2006/66/EC - Battery Directive
2011/65/EU - RoHS Directive
2012/19/EU - WEEE Directive

Applied Standards:

EN60730-1; EN60730-2-7; EN60730-2-9
EN 300 220-2; EN 301 489-3

Pack Contents:

LP20RF Programmer / RF receiver
Digistat+RF transmitter
Screws (x2)
Wall Plugs (x2)
Instructions
Batteries (x2) AA Alkaline

Hereby, Schneider Electric Controls UK Limited, declares that this programmable room thermostat is in compliance with the essential requirements and other provisions of RED Directive 2014/53/EU.

Declaration of conformity can be downloaded at: www.draxtoncontrols.co.uk.



Installation Guide

LP20RF & DIGISTAT+RF

LP20RF Installation



DANGER:

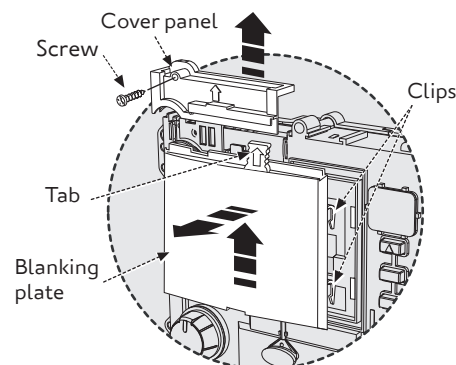
230 volts do not touch the electrical components or circuits.



CAUTION:

Isolate the mains electricity supply before starting any work and observe all relevant safety precautions.

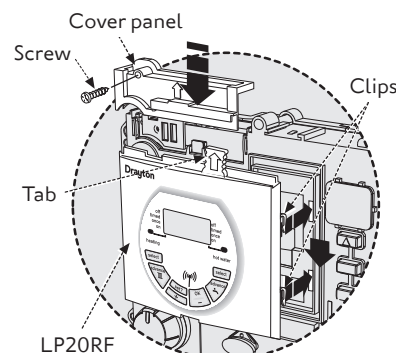
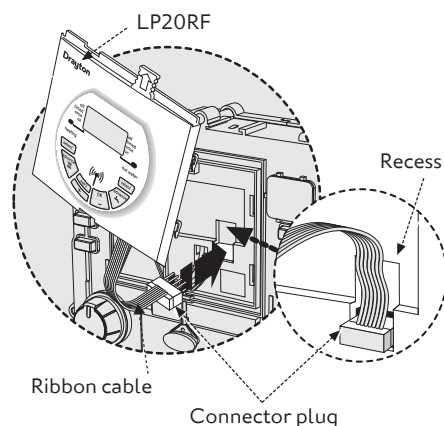
Observe electro-static discharge precautions: do not touch the pcb circuit.



NOTE:

This accessory must be fitted by a competent person. Failure to comply could lead to prosecution.

- 1 Remove the boiler outer casing and control panel fascia to gain access to the boiler control panel.
- 2 Release the securing screws.
- 3 Pull the cover panel up to remove.
- 4 Grip the tab and pull upwards to disengage clips, pull forward to remove blanking plate or existing programmer.
- 5 Align the connector plug pins into socket on the PCB and push fully home.
- 6 Feed the ribbon cable into the recess.
- 7 Align the programmer and locate the clips, push into the slots then down to secure.
- 8 Locate the cover panel in place and secure with the screw.
- 9 Replace fascia cover and outer casing before switching on the electrical supply and boiler.
- 10 Switch boiler on when completed.



Wireless Commissioning & Signal Strength

NOTE:

Before fixing the DIGISTAT+RF to the wall it is recommended to first check the signal strength from that location.

Wireless commissioning: after initial start up, the colon, CH and antenna symbols should be flashing on the LP20RF display.



Follow either 1 OR 1a to 1c below

- 1 Press & hold the set? button for 5s and Lrn and OFF will be displayed.

OR

- 1a Press the set? button 4 times.
- 1b Press the OK button once.
- 1c Press the set? button 4 times; Lrn and OFF will be displayed.



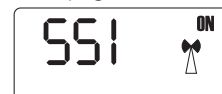
- 2 Press the + button so the display shows ON and a flashing antenna symbol. The learn mode is now ready to receive a signal from the transmitter during the next two minutes.



- 3 Take the Digistat+RF unit and stand near the boiler.
- 4 Remove the battery cover and fit the batteries.



- 5 The symbols on the LP20RF will stop flashing and the display will show 'SSI, Antenna and ON'.



NOTE:

If you want to exit to the home screen now without checking the signal strength then please press the 'OK'/'-' button, then the 'set?' button. Alternatively, you can leave for 2mins and the LP20RF will automatically return to the home screen. See p.6 for how to mount the Digistat to the wall.

If you want to check the signal strength now, please continue to 6.

- 6 Press 'SET' on the LP20RF and the display will show 'SSI and Antenna'.
- 7 After a few seconds the display will show '- - -'. Remove the batteries from the Digistat+RF, press and hold the 'set' button whilst refitting the batteries, keep the 'set' button held and after a few seconds the display will show 'rF' which indicates that the Digistat+RF is continuously sending a signal to the LP20RF (receiver).

The LP20RF display will now show the 'learnt' transmitter code and the antenna' as well as the signal strength as indicated by the chevrons on the right hand side of the display.

- 8 Place the Digistat+RF in the desired final position and return to the boiler to check the LP20RF display. The ideal Digistat+RF position will result in the LP20RF display showing 4 chevrons and the LED will be green.
- 9 If the LED is red or no LED is showing and the display indicates 1 or 2 chevrons, the Digistat+RF will need to be re-positioned until the LED changes to amber or green and 3 or 4 chevrons are indicated on the display.

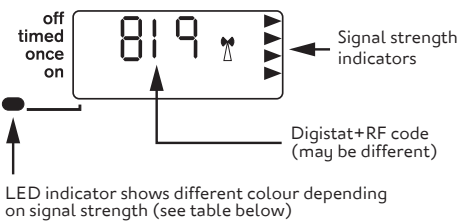
NOTE:

If there is no LED and the display on the LP20RF shows '- - -', there is no signal being received at all from the Digistat+RF. Transmission will resume once the Digistat+RF is re-positioned in a part of the house where an amber or green LED and 3 or 4 chevrons are achieved.

- 10 Once you are happy that, when in the desired location, the Digistat+RF is sending a good signal to the LP20RF i.e. amber or green and 3 or 4 chevrons, the Digistat+RF can be fixed to the wall.

NOTE:

Continue on next page to cancel the signal strength mode.



| LED Indication | Chevrons | RF Strength |
|----------------|----------|-------------|
| Green | 4 | Very strong |
| Amber | 3 | Strong |
| Red | 2 | Weak |
| None | 1 | Very weak |

To cancel signal strength mode:

- 1 Remove the batteries from the Digistat+RF transmitter to cancel the constant transmission.
- 2 After a few seconds the LP20RF display will show '---'.



- 3 Press 'OK' on the LP20RF and the display will return to the time with the 'CH and Antenna' flashing.

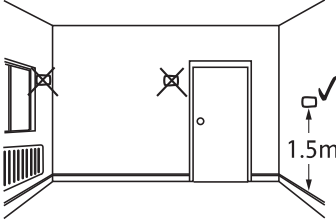


- 4 Re-insert the batteries into the Digistat+RF and the RF link will be re-established.

Positioning the Digistat +RF room thermostat

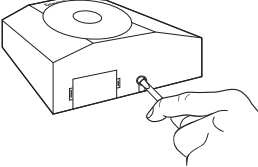
The Digistat is a radio frequency device which is very flexible for positioning as there is no need for hard wiring to the appliance. The device should be mounted in an open area, no closer than 30cm from metal objects, including wall boxes.

Mount the Digistat+RF on a wall which is not subject to direct sunlight or draughts, preferably on an inside wall, 1.5 metres above the floor. The Digistat+RF must also not be directly influenced by radiators or other appliances giving off heat.

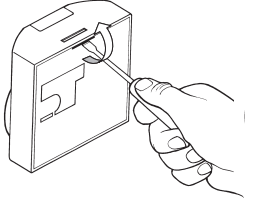


Mounting the Digistat +RF room thermostat

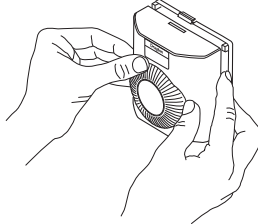
- 1 Loosen the single screw from the bottom of the transmitter using a small flat bladed screwdriver.



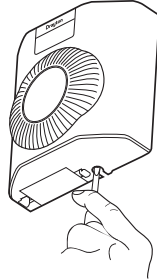
- 2 Carefully insert the screwdriver into the slot located at the back of the digistat near the top and very gently lever upwards a fraction to release the tab securing the front of the transmitter to the back cover. The back cover can now be secured to the wall.



- 3 Replace the front by locating in position and pushing fully onto the back cover until the tab engages at the top of the transmitter.



- 4 Retighten the screw at the bottom of the unit to fully secure the front to the back cover.

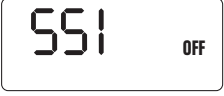


Signal Strength

To check signal strength on previously installed and paired units:

Follow either 1 OR 1a to 1c below

- 1 Press & hold the set? button for 10s and 'SSI and OFF' will be displayed.
OR
1a Press the set? button 4 times.
1b Press the OK button once.
1c Press the set? button 5 times; 'SSI and OFF' will be displayed.



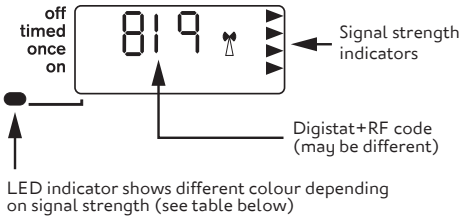
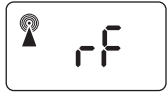
- 2 Press the '+' button so that the display shows 'SSI, Antenna and ON'.



- 3 Press the 'set' button so the display shows 'SSI and Antenna'.



- 4 After a few seconds the display will show '---'.
- 5 Remove the batteries from the Digistat+RF and wait until the display has faded away.
- 6 Press and hold the SET button on the Digistat+RF while re-inserting the batteries and keep the button depressed until the display shows 'rF'.



| LED Indication | Chevrons | RF Strength |
|----------------|----------|-------------|
| Green | 4 | Very strong |
| Amber | 3 | Strong |
| Red | 2 | Weak |
| None | 1 | Very weak |

To cancel signal strength mode:

- 1 Remove the batteries from the Digistat+RF to cancel the constant transmission.
- 2 After a few seconds the LP20RF display will show '---'.
- 3 Press 'OK' on the LP20RF and the display will return to the time with the 'CH and Antenna' flashing.



- 4 Re-insert the batteries into the Digistat+RF and the RF link will be re-established.

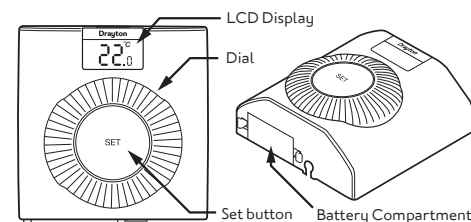
User Guide

LP20RF & DIGISTAT+RF

User Guide

Digistat+RF Room Thermostat

Digistat+RF Room Thermostat



What is a room thermostat?

A room thermostat simply switches the heating system on and off as necessary. It 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.

Turning a room thermostat to a higher setting will not make the room heat up any faster. How quickly the room heats up depends on the design of the heating system, for example, the size of boiler and radiators.

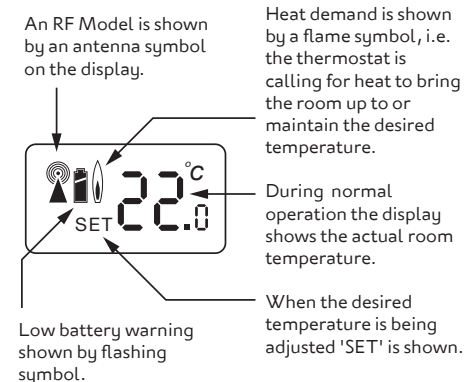
Neither does the setting affect how quickly the room cools down. Turning a room thermostat to a lower setting will result in the room being controlled at a lower temperature, and saves energy.

The heating system will not work if a time switch or programmer has switched it off.

The way to set and use your room thermostat is to find the lowest temperature setting that you are comfortable with, 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, at say 18°C and then turn it up by one degree each day until you are comfortable with the temperature. You won't have to adjust the thermostat further. Any adjustment above this setting may waste energy.

If your heating system is a boiler with radiators, there will usually be only one room thermostat to control the whole house. But you can have different temperatures in individual rooms by installing thermostatic radiator valves (TRVs) on individual radiators. If you don't have TRVs, you should choose a temperature that is reasonable for the whole house. If you do have TRVs, you can choose a slightly higher setting to make sure that even the coldest room is comfortable, then prevent any overheating in other rooms by adjusting the TRVs.

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 fires, televisions, wall or table lamps may prevent the thermostat from working properly.



Features

The Digistat +RF room thermostat has the following user settings:

- Required room temperature (temperature setpoint)
- Preset temperature setting - Advanced feature
- Minimum & Maximum temperature settings - Advanced feature

Simple Setting or Operating

To set the required room temperature:

- The display normally shows the current room temperature to within 0.5°C
- To adjust the required temperature, turn the dial clockwise to increase or anti-clockwise to decrease, (1 click = 1°C), the LCD will display the temperature setpoint as it is being adjusted and 'SET' will be displayed. After a few seconds the display will return to normal operation and will display the actual room temperature.

While adjusting the temperature during normal operation, when you reach the maximum or minimum possible setting the display will flash to indicate you cannot adjust the product further.

Advanced Features

Adjusting the Setpoint using the Preset Temperature Mode

Change the temperature at the press of a button, for example, if you are going out to the shops for an hour you can reduce the temperature to save energy and then when you press the button again on your return the setpoint will return to the previous level.

- 1 To adjust the setpoint to the preset (or Setback) temperature, press the **SET** button during normal operation and the product will go into Preset mode.

NOTE:

This feature can be used to quickly adjust the temperature setpoint to a setback temperature for economy operation if for example, "Preset Temperature = 15°C". Or alternatively to a comfort setpoint if "Preset Temperature = 21°C".

- 2 Once the setpoint has been changed to the preset (or setback) temperature by pressing **SET** the display will show the "Preset Temperature" and **SET** will be flashing in the display as shown.

SET will flash for approximately 5 seconds and during this time the "Preset Temperature" can be altered by rotating the dial.



- 3 The product will remain in the Preset mode. Once 5 seconds have elapsed (since the last dial adjustment) the word **SET** will stop flashing on the display as shown.

The product is still in the Preset mode.



To cancel the Preset Mode & return to normal operation

You can either:

- 1 If you want to return to your previous setpoint (before you entered the Preset mode) then press the **SET** button. The Preset mode will be cancelled and the product will return to normal operation and the display will show the current room temperature as shown.



- 2 If you want to set a new setpoint, just rotate the dial until your required setpoint is shown on the display. After a couple of seconds the display will change to show the current room temperature as shown.

To change the user adjustable settings

- 1 To enter the **User** menu, press and hold the **SET** button for more than 5 but less than 10 seconds the display will show **Pr** (Preset temperature setting) as shown.



- 2 If the dial is turned clockwise one click then **HI** (Maximum temperature setting) will be displayed.



- 3 If turned one more click clockwise then **Lo** (Minimum temperature setting) will be displayed.



NOTE:

When adjusting the settings within the menu, if the maximum or minimum possible setting are reached, the display will flash to indicate you cannot adjust the product further, e.g. you cannot set the Preset higher than the maximum temperature setting.

To return to normal operation, either press the **SET** button for more than 5 seconds or wait for 1 minute and it will return automatically.

Changing the Preset Temperature

- 1 To adjust the "Preset" temperature enter the **User** menu by pressing and holding the **Set** button for more than 5 but less than 10 seconds. **Pr** will be shown.



- 2 Press the set button and the display will show the current Preset setting.



- 3 Rotate the dial clockwise to increase the Preset temperature & anti-clockwise to reduce the Preset temperature.
- 4 Press the **Set** button to confirm and **Pr** will be displayed.



To return to normal operation, either press the **Set** button for more than 5 seconds or wait for 1 minute and it will return automatically.

Changing the Maximum Temperature Setting

- 1 To adjust the "Maximum" temperature enter the **User** menu by pressing and holding the **Set** button for more than 5 but less than 10 seconds, then rotate the dial clockwise until '**HI**' is showing.



- 2 Then press the **Set** button, the current setting is shown.

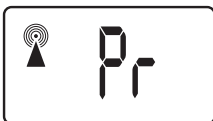


- 3 Rotate the dial clockwise to increase the maximum temperature setting (max. 30°C) as shown. Rotate anti-clockwise to reduce the maximum temperature setting.
- 4 Press the **Set** button to confirm, the display will show **HI**.



Changing the Minimum Temperature Setting

- 1 To adjust the minimum temperature enter the User menu by pressing and holding the Set button for more than 5 but less than 10 seconds. The display will show 'Pr'.



- 2 Rotate the dial clockwise until Lo is showing.
- 3 Then press the Set button, the current setting is shown.



- 4 Rotate the dial clockwise to increase the minimum temperature setting and anti-clockwise to reduce the minimum temperature setting (min. 5°C).
- 5 Press the Set button to confirm, the display will show Lo.



NOTE:

When adjusting the settings within the menu, if the maximum or minimum possible setting are reached, the display will flash to indicate you cannot adjust the product further, e.g. you cannot set the temperature lower than the minimum temperature setting.

To return to normal operation, either **press the Set button for more than 5 seconds** or **wait for 1 minute and it will return automatically.**

Tamper Proofing

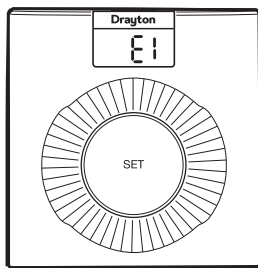
To tamper proof the product i.e. prevent unauthorised adjustment of the product, set the Min. and Max. (Hi and Lo) temperatures to the same desired value using the procedures above.

Fault Diagnosis

If the display shows Ei, the following faults could have occurred:

- 1 Internal temperature sensor has failed. Replace the unit,
- 2 Ambient temperature is outside product operating temperature range - 0°C to 50°C.

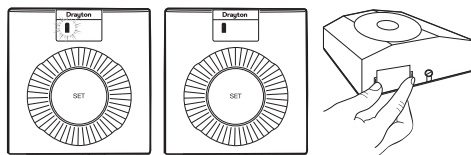
When the ambient temperature is back within the operating range, the unit will function correctly.



Battery Replacement

- When the batteries are getting low (approx. 30 days battery life remaining) the battery symbol will flash in the display, it is recommended to change the batteries during this period.
- After approximately 30 days, a continuous battery symbol only will be shown in the display and the unit will remain OFF.

Remove the battery compartment by pinching the tabs and withdrawing down. Replace the spent batteries with 2 x AA 1.5V alkaline batteries ensuring correct orientation. Replace the battery compartment pressing fully home.



LP20RF Programmer & Receiver

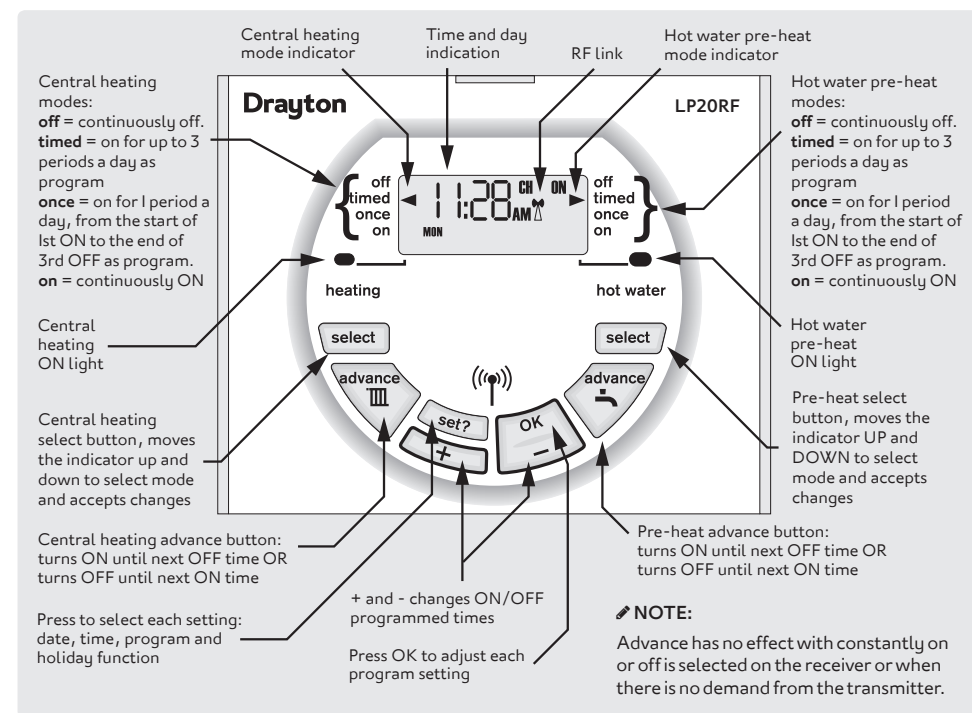
If the engineer has set your program and timings – you do not need to do anything else. Just keep this guide in a safe place for future reference.

Introduction

The programmer will automatically switch your central heating and hot water on and off at times that suit you.

The green light on the front of the programmer shows when each one is on. LP20RF has a 7-day program allowing for different timings on each day of the week, with central heating and hot water working independently for up to 3 heating periods each day.

If the engineer hasn't set your timings for you, your programmer will work with a standard program that has been set at the factory. If this doesn't suit you, it's very easy to change it.



Normal Operation

During normal operation the receiver will flash the red LED, approximately every five minutes. This indicates that a radio signal is being received from the Digistat transmitter.

Radio Signal Loss

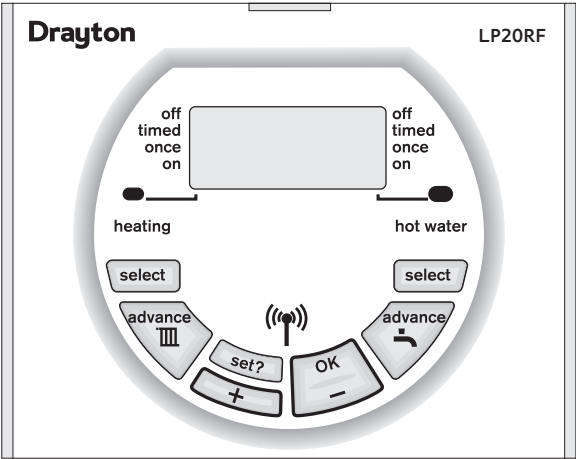
If the red LED does not flash approximately every five minutes then the receiver will show a flashing green LED together with the flashing antenna symbol and the Central Heating indicator arrow will point to OFF. This situation indicates that the radio signal link from the

Digistat transmitter has been lost. This may be remedied by fitting new batteries in the Digistat transmitter. If fitting new batteries does not restore the link, then temporarily move the Digistat transmitter close to the appliance, if this does not restore the link, then technical help must be sought to remedy the failed radio signal link.

Temporary Override

While the RF link is lost, the Central Heating can be switched ON by pressing the OK button once and switched OFF by pressing the OK button again. In this mode the room temperature will not be controlled.

The Standard Program



NOTE:
The ON/OFF periods pre-programmed for Central Heating and Hot Water pre-heat are shown in the table below. These factory installed settings can be used without any further programming of the receiver. The time and date are pre-programmed and should not require adjustment.

If you need to restore the factory pre-set program times then:

Press the + and - buttons together, for three seconds or longer, to restore the default program times to those shown in the table opposite.

| Switching | Weekdays | | Weekends | |
|---------------------------------------|----------|---------|----------|---------|
| | HW | CH | HW | CH |
| 1st ON - start of first timed period | 6.30am | 6.30am | 7.00am | 7.00am |
| 1st OFF - end of first timed period | 8.30am | 8.30am | 9.00am | 9.00am |
| 2nd ON - start of second timed period | 12.00pm | 12.00pm | 12.00pm | 12.00pm |
| 2nd OFF - end of second timed period | 12.00pm | 12.00pm | 12.00pm | 12.00pm |
| 3rd ON - start of third timed period | 4.30pm | 4.30pm | 4.00pm | 4.00pm |
| 3rd OFF - final swith-off of the day | 10.30pm | 10.30pm | 11.00pm | 11.00pm |

NOTE:
Two ON/OFF periods can be used instead of three, by setting the second ON/OFF periods to 12:00 as shown in the default program table. One ON/OFF period can be achieved by setting the second and third ON/OFF periods to the same times.

See **Changing the Program** on the next page, if changes are required to the clock time or pre-programmed settings.

Changing the Program

Setting Central Heating (CH) MON - FRI

- 1 Press **set?** until SET and PROG? are shown in the display.



- 2 Press **OK** to enter program.
3 Press **OK** to select MON-FRI.



- 4 Press **OK** to select CH.



NOTE:
Speed up the display by holding down the + or - buttons.

- 5 Press + or - to change the ON time.



- 6 Press **set?** to set the ON time and select the OFF time.



- 7 Press + or - to change the OFF time.
8 Press **set?** to set the OFF time and select the next ON time.

Repeat operations 5 to 8 to set the second and third CH ON/OFF times.

NOTE:
After pressing **set?** for the third CH OFF time the display shows SET MON ...see next page.

Setting Hot Water (HW) MON - FRI

- 9 Press **OK** to select the first ON time.



Repeat operations 5 to 8 to set the first, second and third HW ON/OFF times.



NOTE:
After pressing **set?** for the third HW OFF time the display shows SET MON ...see next page.

Setting individual weekdays:

NOTE:

If you do not require individual weekday times, then press **set?** until SET SAT-SUN are displayed and continue on the next page.

If you do not wish to change the setting for the day displayed, then press **set?** until the first day you want to change is displayed.

Setting Central Heating (CH) individual weekdays:

- 1 Press OK to select weekday.



- 2 Press OK to select CH.



NOTE:

Speed up the display by holding down the + or - buttons.

- 3 Press + or - to change the ON time.



- 4 Press **set?** to set the ON time and select the OFF time.



- 5 Press + or - to change the OFF time.
- 6 Press **set?** to set the OFF time and select the next ON time.

Repeat operations 3 to 6 to set the second and third ON/OFF times.

NOTE:

After pressing **set?** for the third CH OFF time, SET and HW for that weekday are displayed.

Setting Hot Water (HW) individual weekdays:

- 7 Press OK to select the first ON time.



Repeat operations 3 to 6 to set the first, second and third HW ON/OFF times.



NOTE:

After pressing **set?** for the third HW OFF time, SET and the next weekday are displayed.... after completing the steps above for FRI the display shows SET SAT-SUN....see next page.

Setting Central Heating (CH) SAT - SUN:

- 1 Press OK to select weekend.
- 2 Press OK to select CH.



NOTE:

Speed up the display by holding down the + or - buttons.

- 3 Press + or - to change the ON time.



- 4 Press **set?** to set the ON time and select the OFF time.



- 5 Press + or - to change the OFF time.
- 6 Press **set?** to set the OFF time and select the next ON time.

Repeat operations 3 to 6 to set the second and third ON/OFF times.

NOTE:

After pressing **set?** for the third CH OFF time, SET and HW for the weekend are displayed.

Setting Hot Water (HW) SAT - SUN:

- 7 Press OK to select the first ON time.



Repeat operations 3 to 6 to set the first, second and third HW ON/OFF times.



NOTE:

After pressing **set?** for the third HW OFF time, SET and SAT are displayed....see next page.

NOTE:

If you do not require individual weekend day times, then press **set?** until the normal display is shown.

Setting individual weekend days:

NOTE:

If you do not require individual weekend day times, then press **set?** until the normal display is shown.

If you do not wish to change the settings for SAT, then press **set?** to move to SUN.



Setting Central Heating (CH) individual weekend days:

- 1 Press OK to select the day displayed.
- 2 Press OK to select CH.



- 3 Press + or - to change the ON time.



- 4 Press **set?** to set the ON time and select the OFF time.



- 5 Press + or - to change the OFF time.
- 6 Press **set?** to set the OFF time and select the next ON time.

Repeat operations 3 to 6 to set the second and third ON/OFF times.

NOTE:

After pressing **set?** for the third CH OFF time, SET and HW for that day are displayed.

Setting Hot Water (HW) individual weekend days:

- 7 Press OK to select the first ON time.



Repeat operations 3 to 6 to set the first, second and third HW ON/OFF times. Pressing **set?** until the normal display is shown.



NOTE:

Speed up the display by holding down the + or - buttons.

Setting holidays:

- 1 Press the **set?** button until SET and HDAY? are displayed.



- 2 Press OK and the display shows 00.



- 3 Press + or - to set the number of days you require the system to be off.



- 4 Press **set?** then HDAY is shown in the display and no demand for heating will be made from the programmer. The program will return to normal after the set number of days. To cancel the holiday setting and return to normal operation, press any button.



NOTE:

The programmer counts each pass through midnight as a day. e.g. if you do not want heating from Saturday morning until Tuesday morning, set for three days.

Setting the clock and time

- 1 Press the **set?** button until SET and CLOCK? are shown in the display.



- 2 Press OK to display 24hr and ON.



- 3 Press + to switch between 24hr and 12hr display.
- 4 Decide between 24 hour or 12 hour display and press **set?** to select, now the hours will flash.
- 5 Press + or - to set the correct hour.



NOTE:

Speed up the display by holding down the + or - buttons.

- 6 When the correct hour has been selected, press **set?** to select, now the minutes will flash.



- 7 Press + or - to set the correct minutes.
- 8 When the correct minutes have been set, press **set?** to select that setting.
 - Now SET and DATE will be displayed.
 - If the day and date needs resetting, refer to the next page for SETTING THE DATE.
 - If the day and date are correct, press **set?** to return to the normal display.



Setting the date:

- 1 Press the **set?** button until SET and DATE? are displayed.



- 2 Press the OK button once, the year flashes on the display.



- 3** Press + or - to set the correct year, e.g. 04.



- 4** When the correct year has been chosen, press **set?** to select, now the month will flash.



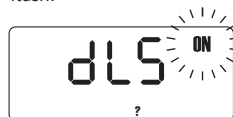
- 5** Press + or - to select the correct month, e.g. 08.

- 6** When the correct month has been chosen, press **set?** to select, now the day will flash.



- 7** Press + or - to select the correct day, e.g. 16.

- 8** When the correct day has been chosen, press **set?** to select, now dLS will be displayed and ON will flash.



- 9** Press + or - to switch between ON or OFF. If you choose ON then the clock will automatically adjust the time for Daylight saving. If you choose OFF then the time will not change to take account of the Daylight Saving time change twice a year.

- 10 Press **set?** twice to return to the normal display.



 NOTE:

dLS = Day Light Savings time

Maintenance

The Digistat +RF Room thermostat requires no maintenance.

The outer casing can be wiped clean using a dry cloth.
DO NOT use polish or detergents.

These units can not be serviced.

Should the existing units fail to function correctly, check that the:

- LP20RF Receiver times and program settings are correct.
- RF signal link is set up (Refer to page 2 for RF signal range details).
- Digistat +RF Room thermostat batteries are the correct type, fitted correctly and are not exhausted. Fit new batteries if in doubt.

Digistat+RF Room thermostat
part number 3I003

LP20RF Receiver
part number 22590DR

 Notes