Installation and operating instructions for the Siemens RWB29 Programmer.

Programme Choice

To enable you to select the programme most suitable for your needs we offer a choice of 3 programmes.

Daily; Which means the unit will come ON and go OFF at the same times each day.

Weekday/Weekend; Which means the unit can be altered for weekdays and weekends.

7 Day; Which means the unit can be set to come ON and go OFF differently on every or any day.

Please refer to the dipswitch positions on the following pages.

Fig. 1
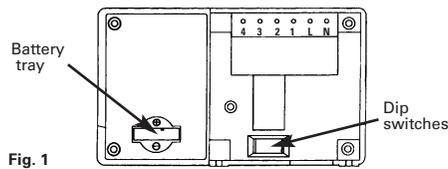
Dipswitches

To change the dipswitch positions first switch off the mains supply and then remove the unit from its backplate by simply loosening the two screws and pulling towards you.

To select the dipswitch position for Daily Programming dipswitch 1 should be up and 2, 3 & 4 should be down.

To select the dipswitch position for Weekday/Weekend Programming dipswitches 1, 3 & 4 should be down and 2 should be up.

To select the dipswitch position for 7 Day Programming dipswitches 1, 2 & 4 should be down and 3 should be up.

Dipswitch 5 can be either up or down depending on your system type, down for gravity, up for fully pumped.

When you have completed the changes to the dipswitches, replace the unit onto its backplate and then refer to the booklet supplied with the unit that relates to the programme you have selected:-

Daily Programming.
Weekday/Weekend Programming.
7 Day Programming.

This leaflet will help you to programme your programmer easily and quickly.

Installation

Please take a little time to fully read these installation and user instructions so as to gain the most from your RWB29.

1. First remove the backplate from the RWB29 by undoing the two small screws at the base of the unit and lift out from the bottom so that the two lugs at the top disengage from their positions.

2. Prior to installing onto the backplate, insert the battery into the battery tray (see Fig. 1) and ensure that positive + and negative - are correctly installed. The battery is a non-rechargeable lithium cell and in the event of power failure will protect your programme instructions for up to 365 continuous days of power loss.

3. The RWB29 is factory set to provide 2 on/off switching periods per day and each day will be the same, i.e. daily operation. To select the other styles of switching you will have to alter the dip switches which are to be found at the bottom rear of the unit (see Fig. 1) into the relevant position for the style of operation you require.

NB Press RESET after any dip switch change.

4. Your operating styles are:-

DAILY
To select the dipswitch position for Daily Programming dipswitch 1 should be up and 2, 3 & 4 should be down.

5 DAY/2 DAY
To select the dipswitch position for Weekday/Weekend Programming dipswitches 1, 3 & 4 should be down and 2 should be up.

7 DAY
To select the dipswitch position for 7 Day Programming dipswitches 1, 2 & 4 should be down and 3 should be up.

5. Once you have completed the above you are now ready to connect the RWB29 to the backplate, If the RWB29 is replacing another Landis & Gyr or Landis & Staefa product as listed below no wiring changes are required, RWB1, RWB2, RWB20, RWB40, RWB200, RWB200cw, RWB252, RWB252cw, RWB270, RWBXP, Gloworm Mastermind, Potterton Miniminder, Sankey Sunline.

6. If the RWB29 is replacing another Landis & Gyr or Landis & Staefa product as listed below, these products are **NOT** suitable for replacement by the RWB29. Return the RWB29 to your stockist/installer and request the RWB27 which will fully interface with your old units backplate.
with the exception of the RWB3 which will require a link inserted from L to 2 on the existing backplate RWB3, RWB7, RWB30, RWB50, RWB100, RWB152, RWB152cw, RWB170 and RWBXT.

7. Mounting Location
To ensure convenience of use, the RWB29 should be fitted in a position which allows easy access. It is recommended that the unit is placed at a height of 1.4 metres from the floor, and should not be installed where either extremes of heat or cold exist. Care should also be taken to ensure that steam, water or oil cannot splash onto or enter either the RWB29 or its backplate.

8. Backplate
The RWB29 is supplied with the industry standard backplate to which the system must be wired. The backplate can be fitted directly to the wall or onto a conduit box. Only conduit boxes which comply with BS1363 or BS4662 (single gang) should be used.

9. RWB29 Internal Wiring Diagram
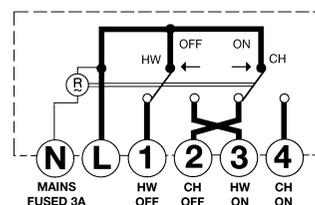
(For more information see enclosed separate wiring and interchange sheet.)

NOTE:
All external wiring must comply with current IEE regulations. Wiring of this unit should be carried out by a competent electrician. Whilst every effort is made to ensure accuracy of the instructions given, you will appreciate that discrepancies may occur due to a variety of reasons outside our control. If, after wiring your system, you find that it does not work properly you should:-

• Check that you have used the correct system and wired it correctly.

• Ensure no wiring links have been missed and all screws are tight.

• Check with Siemens - there may be a simple explanation.

Technical Helpline:-

0870 850 0184 – Monday to Friday 9am - 5pm.

The mains supply must be isolated before replacing an existing Programmer, failure to do so could cause damage to the RWB29 and will invalidate all warranty claims.

NB:
This unit must not be used for control of immersion heaters.

10. Fitting the Unit to the Backplate
Tilt the bottom of the case away from the wall, and locate the two slots in the top of the case over the two tabs at the top of the backplate. Push the bottom of the case towards the wall, slotting the two backplate screws into the bottom of the case, and tighten the screws. This enables the contacts in the unit to engage with those in the backplate.

Technical Data RWB29

Preset Factory Settings

2 on/off
6.30am to 8.30am and 4.30pm to 10.30pm

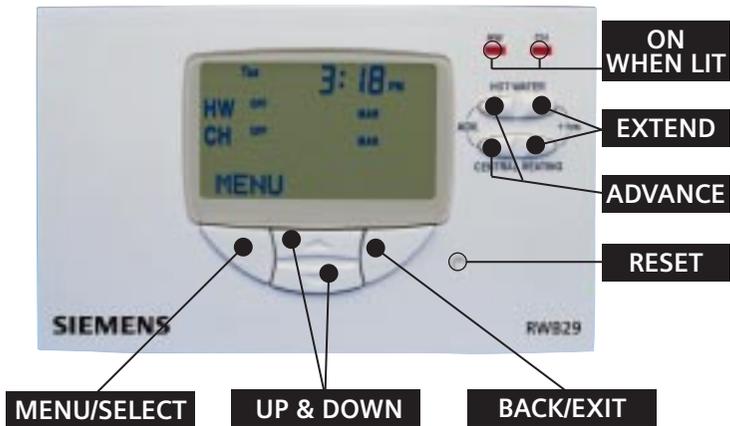|	
Supply:	200/240V 50Hz
Power Consumption:	50mA
Contact rating:	6A (resistive)
	2A (inductive)
Switching voltage:	240V
Ambient temperature range:	0 to 40°C
Environmental humidity:	80% RH
Housing:	Fire-retardant ABS material

Daily Programming instructions for the Siemens RWB29 Programmer.

RWB29 Controls

ON WHEN LIT

EXTEND

ADVANCE

RESET

MENU/SELECT   UP & DOWN   BACK/EXIT

Introduction

This leaflet will give you easy to follow instructions to allow you to set your RWB29 Programmer to the Daily, (same ON/OFF times each day) program.
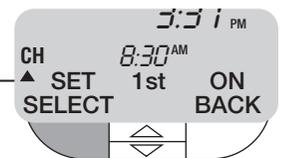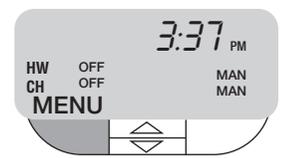
Contents
• How do I change/set the clock?
• How do I change/set the ON/OFF times?
• How do I review the current ON/OFF times?
• What do the switching options mean?
• How do I select my Switching Options?
• How do I change summer and winter times?
• How do I set my holiday program?
• How do I activate my holiday program?
• What do the buttons do?

To commence programming first press the reset button using a ballpoint pen or similar tool the display should show as next page.

To make it easier to follow the buttons you should be using are coloured grey.

RWB29 Daily

Display will flash as shown at first installation

How do I change/set the clock?

• Press top middle button △ display shows

SET THE TIME
ENTER +/- BACK

• Alter time using △+/-▽ buttons to scroll

• When correct time is shown press left hand button ENTER

3:37 PM
▲ SET TIME
SELECT EXIT

• Press right hand button EXIT display shows

3:37 PM
HW OFF MAN
CH OFF MAN
MENU

How do I change/set the ON/OFF times?

• Press left hand button MENU

3:37 PM
HW OFF MAN
CH OFF MAN
MENU

• Press top middle button △ until SET PROGRAM is shown Press left hand button SELECT display will show SET CH

3:37 PM
▲ SET PROGRAM
SELECT EXIT

• Press left hand button SELECT display will show

3:37 PM
CH 8:30 AM
▲ SET 1st ON
SELECT BACK

To change 1st ON time for CH press SELECT, time will flash, change times by using △ +/-▽, when desired time is in the display press ENTER display will show

12:00 PM
SET THE TIME
ENTER +/- BACK

3:37 PM
CH 10:30 AM
▲ SET 1st OFF
SELECT BACK

• Repeat as above until last OFF time for CH is entered display will show press middle top button SET HW is shown, repeat as above until all HW times have been entered, press BACK, then press EXIT to return to MENU
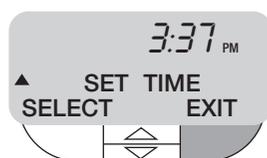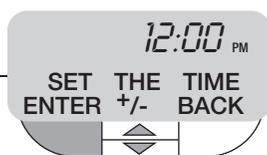

3:37 PM
CH 10:30 AM
▲ SET CH
SELECT BACK

How do I review the current ON/OFF times?

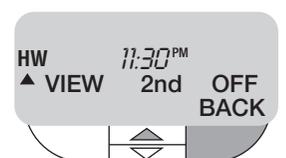• Press left hand button MENU, press top middle button △ until REVIEW PROG is shown

3:37 PM
HW OFF MAN
CH OFF MAN
▲ REVIEW PROG
SELECT EXIT

• Press left hand button SELECT display shows Press VIEW

▲ CH PROGRAM
VIEW BACK

• 1st ON time for Central Heating (CH) will be shown

CH 10:30 AM
▲ VIEW 1st ON
BACK

• Press top middle button △ 1st OFF will be shown

• Continue above two actions until all times have been reviewed press right hand button BACK, press top middle button △. Display shows HW PROGRAM

HW 11:30 PM
▲ VIEW 2nd OFF
BACK

• Press left hand button VIEW, press top middle button △, Ist on time for (HW) Hot Water will be shown continue pressing top middle button until all HW times have been reviewed

3:37 PM
▼ REVIEW PROG
SELECT EXIT
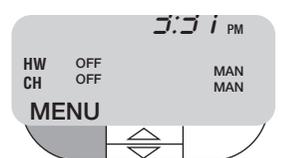
• Press right hand button BACK, twice, then press right hand button EXIT (this will return you to MENU)

3:37 PM
HW OFF MAN
CH OFF MAN
MENU

What do the switching options mean?

AUTO
This means that the RWB29 will switch ON and OFF according to the programmed times

MANUAL OFF
This means that the RWB29 will be permanently OFF

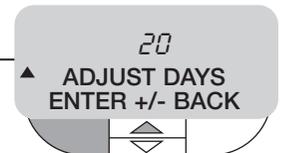**MANUAL ON**
This means that the RWB29 will be permanently ON

ONCE
This means that the RWB29 will switch ON at the first ON time and switch OFF at the last OFF time you have programmed ignoring any ON/OFF times in between. This is also referred to as All Day.

NB: Some older systems are not capable of having central heating ON when the hot water is OFF.
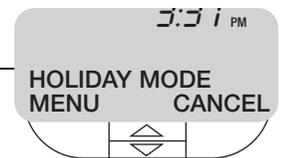
How do I select my four switching options?

- Press left hand button MENU
  Display shows

- Press left hand button SELECT
  Display shows

- Press bottom middle button ▽ until correct selection is displayed (CH, HW or CH+HW)

- Press left hand button SELECT
  Display shows

- Press top middle button △ until your switching option is displayed

  AUTO*
  MANUAL OFF*
  MANUAL ON*
  ONCE*
  *see previous section for details

- Press left hand button ENTER, repeat for other selections (HW, CH etc)

- Press right hand button BACK

- Press right hand button EXIT
  Display shows

How do I change winter and summer times?

- Press left hand button MENU

- Press top middle button △ until SET TIME is shown

- Press left hand button SELECT

- Alter time using △+/-▽ buttons until correct time is shown

- When correct time is shown press left hand button ENTER, then press right hand button EXIT to return to MENU display

How do I set my holiday program?

- Press left hand button MENU

- Press top middle button △ until SET HOLIDAY is shown

- Press left hand button SELECT display shows number of holiday days will flash, change amount of days (1-99) by using △ +/-▽, when desired amount of days is in the display press left hand button ENTER, then right hand button EXIT to return to MENU

How do I activate my holiday program?

- Press left hand button MENU SET STATUS is shown, press SELECT

- Press top middle button △ until HOLIDAY is shown

- Press left hand button SELECT display will flash as shown your system is now in HOLIDAY mode (OFF) and will countdown the amount of days you have set it for, at the end of which it will automatically go back to your normal set program.
  You can also press CANCEL to return to normal program mode.

What do the buttons do?

ADV (ADVANCE)
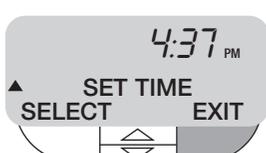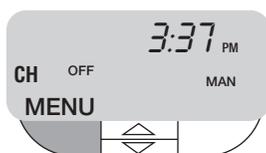This brings forward the next switching time, for example:-

(a) if your times were ON 7am and OFF 9am - ON 5pm and OFF 10pm and you pressed the ADV at 4pm your heating would come ON straight away and go OFF at 10pm.
(b) if your times were ON 7am and OFF 9am - ON 5pm and OFF 10pm and you pressed the ADV at 9pm your heating would go OFF straight away and come ON at 7am the next morning.

+ HRS
This allows you to either increase your heating time in multiples of one hour (up to a maximum of 3 hours) during a timed ON period or to bring on the heating in multiples of one hour (up to a maximum of 3 hours) during an OFF period.
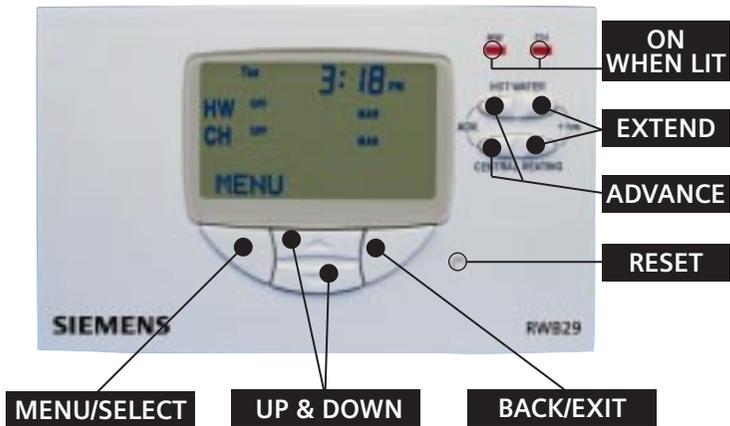
Weekday/Weekend Programming instructions for the Siemens RWB29 Programmer.

RWB29 Controls

| ON WHEN LIT |
| EXTEND |
| ADVANCE |
| RESET |

| MENU/SELECT | UP & DOWN | BACK/EXIT |

Introduction

This leaflet will give you easy to follow instructions to allow you to set your RWB29 Programmer to the Weekday/Weekend, (same times Monday - Friday, different times Saturday - Sunday if required) program.

Contents
• How do I change/set the clock?
• How do I change/set the ON/OFF times?
• How do I review the current ON/OFF times?
• What do the switching options mean?
• How do I select my Switching Options?
• How do I change summer and winter times?
• How do I set my holiday program?
• How do I activate my holiday program?
• What do the buttons do?

To commence programming first press the reset button using a ballpoint pen or similar tool the display should show as next page.

To make it easier to follow the buttons you should be using are coloured grey.

How do I change/set the ON/OFF times?

• Press left hand button MENU

• Press top middle button △ until SET PROGRAM is shown Press left hand button SELECT display will show SET CH

• Press left hand button SELECT, SET WEEKDAYS will be shown, press SELECT again display will show
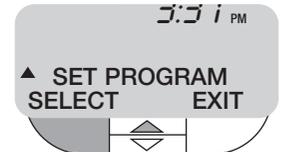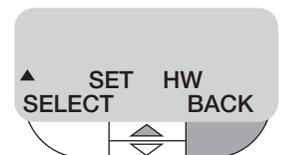
To change 1st ON time for CH press SELECT, time will flash, change times by using △+/-▽, when desired time is in the display press ENTER display will show
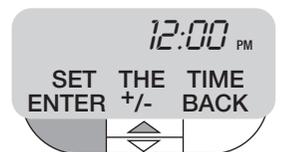
• Repeat as above until last OFF time is entered display will show SET WEEKDAYS, Press top middle button display will show SET WEEKEND, repeat as above until all times are entered, display will show SET WEEKEND press right hand button BACK
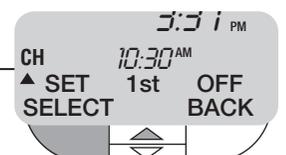
• Press top middle button SET HW will be shown, repeat as above until all HW times have been entered press BACK twice, then press EXIT to return to MENU
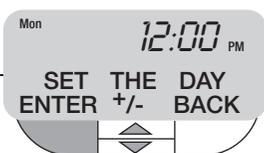
RWB29 Weekday/Weekend

Mon Tue Wed Thu Fri Sat Sun 12:00 PM 2P
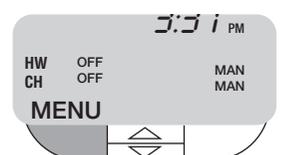
Display will flash as shown at first installation

How do I change/set the day and clock?

• Press top middle button △ display shows

Mon 12:00 PM
SET THE DAY
ENTER +/- BACK

• Alter day using △+/-▽ buttons to scroll, when correct day is shown press left hand button ENTER display shows

Mon 12:00 PM
SET THE TIME
ENTER +/- BACK

• Alter time using △+/-▽ buttons, when correct time is shown press left hand button ENTER, press right hand button BACK then press right hand button again EXIT display shows

3:37 PM
HW OFF
CH OFF MAN MAN
MENU

How do I review the current ON/OFF times?

3:3 i PM
HW OFF MAN
CH OFF MAN
▲ REVIEW PROG
SELECT EXIT

• Press left hand button MENU

• Press top middle button △ until REVIEW PROG is shown

• Press left hand button SELECT display shows Press VIEW, WEEKDAYS is shown press VIEW

▲ CH PROGRAM
VIEW BACK

• 1st ON time for Central Heating (CH) will be shown

• Press top middle button △ 1st OFF will be shown

CH 10:30 AM
▲ VIEW 1st OFF
BACK

• Continue above two actions until all times have been reviewed press right hand button BACK, press top middle button△. Display shows WEEKEND, repeat previous actions to review times for WEEKEND

HW 11:30 PM
▲ VIEW 2nd OFF
BACK

• Press right hand button BACK twice, CH PROGRAM shows

• Press top middle button HW PROGRAM will be shown repeat above actions until all HW times have been reviewed

3:37 PM
▼ REVIEW PROG
SELECT EXIT

• Press right hand button BACK, three times, then press right hand button EXIT, MENU shows

3:3 i PM
HW OFF MAN
CH OFF MAN
MENU

What do the switching options mean?

AUTO
This means that the RWB29 will switch ON and OFF according to the programmed times

MANUAL OFF
This means that the RWB29 will be permanently OFF

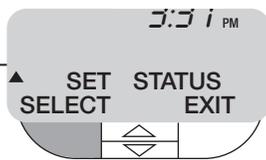**MANUAL ON**
This means that the RWB29 will be permanently ON

ONCE
This means that the RWB29 will switch ON at the first ON time and switch OFF at the last OFF time you have programmed ignoring any ON/OFF times in between. This is also referred to as All Day.
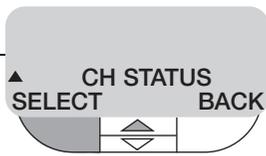
NB: Some older systems are not capable of having central heating ON when the hot water is OFF.

How do I select my four switching options?

- Press left hand button MENU
  Display shows

- Press left hand button SELECT
  Display shows

- Press bottom middle button ▽ until your selection is displayed (CH, HW or CH+HW)
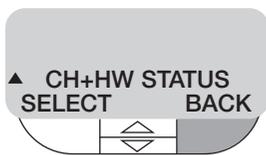
- Press left hand button SELECT
  Display shows

- Press top middle button △ until your switching option is displayed

  AUTO*
  MANUAL OFF*
  MANUAL ON*
  ONCE*
  *see previous section for details

- Press left hand button ENTER, repeat for other selections (HW, CH etc)

- Press right hand button BACK

- Press right hand button EXIT
  Display shows

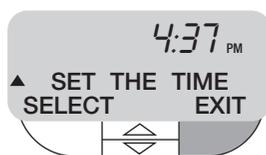## How do I change winter and summer times?

- Press left hand button MENU

- Press top middle button △ until SET DAY/TIME is shown
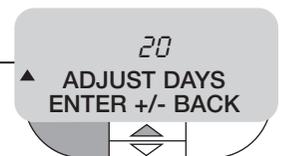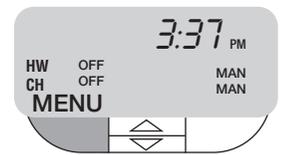
- Press left hand button SELECT

- Set day of the week using △+/-▽ buttons, when correct day is shown press left hand button ENTER

- Alter time using △+/-▽ buttons, when correct time is shown press left hand button ENTER, press right hand button BACK then press right hand button again EXIT to return to MENU display
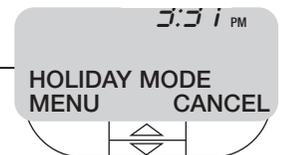
How do I set my holiday program?

- Press left hand button MENU

- Press top middle button △ until SET HOLIDAY is shown

- Press left hand button SELECT
  display shows
  number of holiday days will flash, change amount of days (1-99) by using △+/-▽, when desired amount of days is in the display press left hand button ENTER, then right hand button EXIT to return to MENU

How do I activate my holiday program?

- Press left hand button MENU
  SET STATUS is shown, press SELECT

- Press top middle button △ until HOLIDAY is shown

- Press left hand button SELECT
  display will flash as shown
  your system is now in HOLIDAY mode (OFF) and will countdown the amount of days you have set it for, at the end of which it will automatically go back to your normal set program.
  You can also press CANCEL to return to normal program mode.

What do the buttons do?

ADV (ADVANCE)
This brings forward the next switching time, for example:-

(a) if your times were ON 7am and OFF 9am - ON 5pm and OFF 10pm and you pressed the ADV at 4pm your heating would come ON straight away and go OFF at 10pm.
(b) if your times were ON 7am and OFF 9am - ON 5pm and OFF 10pm and you pressed the ADV at 9pm your heating would go OFF straight away and come ON at 7am the next morning.

+ HRS
This allows you to either increase your heating time in multiples of one hour (up to a maximum of 3 hours) during a timed ON period or to bring on the heating in multiples of one hour (up to a maximum of 3 hours) during an OFF period.

7 Day Programming instructions for the Siemens RWB29 Programmer.
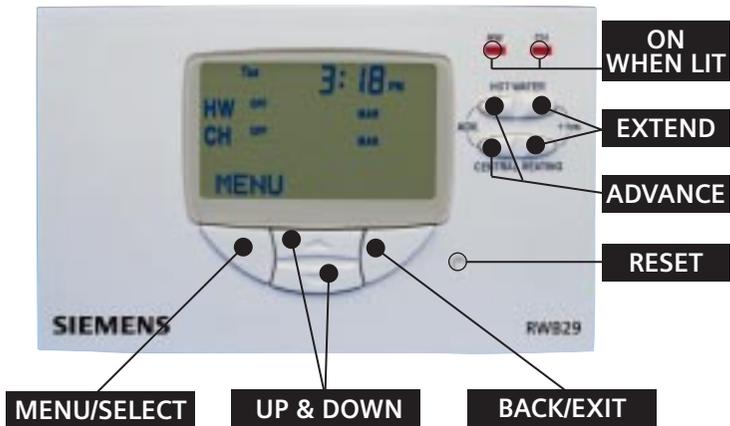
RWB29 Controls

ON WHEN LIT

EXTEND

ADVANCE

RESET

MENU/SELECT   UP & DOWN   BACK/EXIT

Introduction

This leaflet will give you easy to follow instructions to allow you to set your RWB29 Programmer to the 7 Day, (different times every day) program.

Contents
• How do I change/set the clock?
• How do I change/set the ON/OFF times?
• How do I review the current ON/OFF times?
• How do I copy the ON/OFF times?
• What do the switching options mean?
• How do I select my Switching Options?
• How do I change over for summer and winter times?
• How do I set my holiday program?
• How do I activate my holiday program?
• What do the buttons do?

To commence programming first press the reset button using a ballpoint pen or similar tool the display should show as next page.

To make it easier to follow the buttons you should be using are coloured grey.

RWB29 7 Day

Display will flash as shown at first installation

How do I change/set the day and clock?

• Press top middle button △ display shows

• Alter day using △+/-▽ buttons to scroll, when correct day is shown press left hand button ENTER display shows

• Alter time using △+/-▽ buttons, when correct time is shown press left hand button ENTER, press right hand button BACK then press right hand button again EXIT display shows

How do I change/set the ON/OFF times?

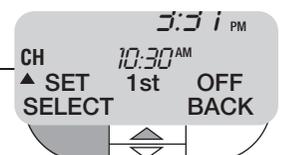• Press left hand button MENU

• Press top middle button △ until SET PROGRAM is shown Press left hand button SELECT display will show SET CH

• Press left hand button SELECT display will show SET MONDAY alter day using top middle button △ , when correct day is shown press left hand button SELECT display shows
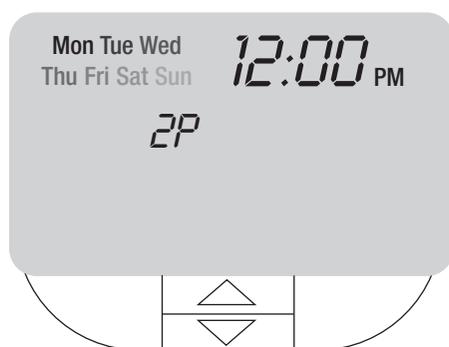
To change 1st ON time for CH press SELECT, time will flash, change times by using △ +/-▽, when desired time is in the display press ENTER display will show
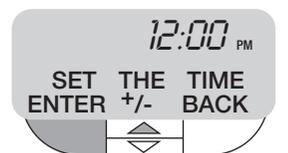
• Repeat as above until last OFF time for CH is entered, press right hand button BACK, display will show press middle top button SET HW is shown, repeat as above until all HW times have been entered, if you want to go to next day press top middle button and repeat as above if not, press BACK twice, then press EXIT to return to MENU
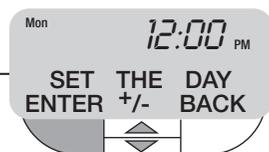
How do I review the current ON/OFF times?

• Press left hand button MENU, press top middle button △ until REVIEW PROG is shown

• Press left hand button SELECT display shows Press VIEW, MONDAY shows press VIEW

• 1st ON time for Central Heating (CH) will be shown

• Press top middle button △ 1st OFF will be shown

• Continue above action until all times have been reviewed, press right hand button BACK. Press bottom middle ▽ button to view TUESDAY and continue until all days and times for central heating have been reviewed.

• Press right hand button BACK twice, then press top middle button HW PROGRAM will be shown, repeat actions as above to review all days and times for Hot Water.

• Press right hand button BACK three times, then press right hand button EXIT this will return you to MENU
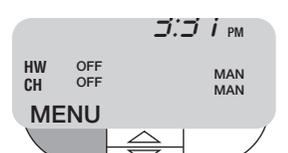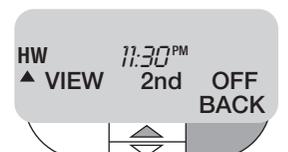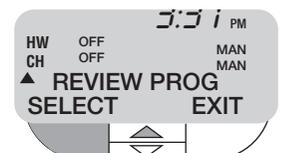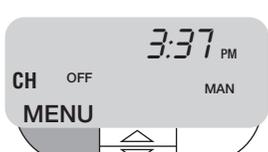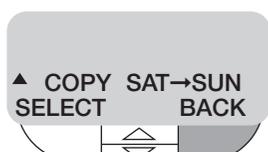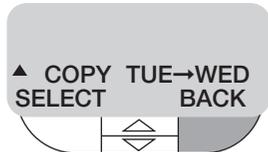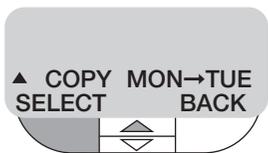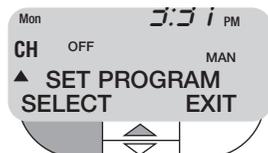
How do I copy the ON/OFF times?

To copy times from one day to the next...

- Press left hand button MENU

- Press top middle button △ until SET PROGRAM is shown, press left hand button SELECT, SET CH is shown

- Press left hand button SELECT, SET MONDAY will be shown, press top middle button until the day you want to copy is shown, then press bottom middle button display will show COPY MON ➜ with TUE flashing,

- Press SELECT, continue pressing SELECT until all days you want to copy are entered

- Press right hand button BACK

- Press top middle button SET HW will be shown, repeat previous instructions to copy HW days and times

- Press right hand button BACK

- Press right hand button EXIT to return to MENU

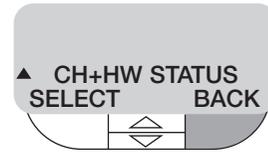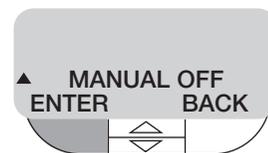The copy option can be used after completion of any days programming

3:37 PM
CH OFF MAN
MENU

Mon *3:3 i* PM
CH OFF MAN
▲ SET PROGRAM
SELECT EXIT

▲ COPY MON➜TUE
SELECT BACK

▲ COPY TUE➜WED
SELECT BACK

▲ COPY SAT➜SUN
SELECT BACK

3:37 PM
CH OFF MAN
MENU

What do the switching options mean?

AUTO
This means that the RWB29 will switch ON and OFF according to the programmed times

MANUAL OFF
This means that the RWB29 will be permanently OFF

MANUAL ON
This means that the RWB29 will be permanently ON

ONCE
This means that the RWB29 will switch ON at the first ON time and switch OFF at the last OFF time you have programmed ignoring any ON/OFF times in between. This is also referred to as All Day.

NB: Some older systems are not capable of having central heating ON when the hot water is OFF.

How do I select my four switching options?

- Press left hand button MENU
  Display shows

- Press left hand button SELECT
  Display shows

- Press bottom middle button ▽ until your selection is displayed (CH, HW or CH+HW)

- Press left hand button SELECT
  Display shows

(continued on top of next column)

3:3 i PM
▲ SET STATUS
SELECT EXIT

▲ CH STATUS
SELECT BACK

▲ MANUAL OFF
ENTER BACK

- Press top middle button △ until correct switching option is displayed

  AUTO*
  MANUAL OFF*
  MANUAL ON*
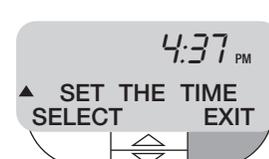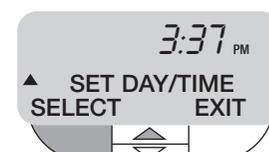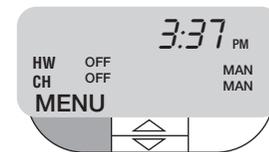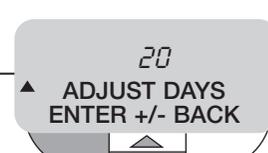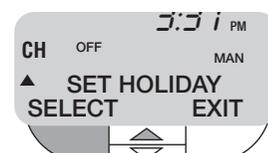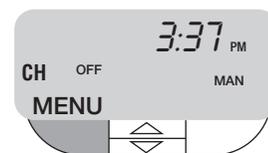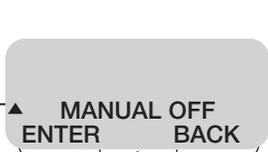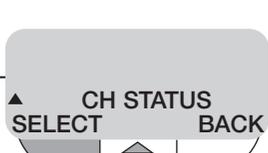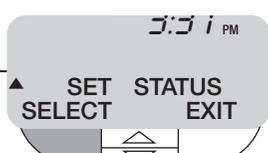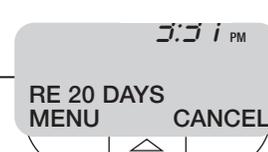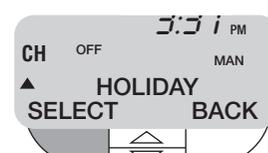 ONCE*
  *see previous section for details

- Press left hand button ENTER, repeat for other selections (HW, CH etc)

- Press right hand button BACK

- Press right hand button EXIT
  Display shows

▲ MANUAL OFF
ENTER BACK

▲ CH+HW STATUS
SELECT BACK

3:37 PM
HW OFF MAN
CH OFF MAN
MENU

How do I change winter and summer times?

- Press left hand button MENU

- Press top middle button △ until SET DAY/TIME is shown

- Press left hand button SELECT

- Set day of the week using △+/-▽ buttons, when correct day is shown press left hand button ENTER

- Alter time using △+/-▽ buttons, when correct time is shown press left hand button ENTER, press right hand button BACK then press right hand button again EXIT to return to MENU display

3:37 PM
HW OFF MAN
CH OFF MAN
MENU

3:37 PM
▲ SET DAY/TIME
SELECT EXIT

4:37 PM
▲ SET THE TIME
SELECT EXIT

How do I set my holiday program?

- Press left hand button MENU

- Press top middle button △ until SET HOLIDAY is shown

- Press left hand button SELECT display shows number of holiday days will flash, change amount of days (1-99) by using △+/-▽, when desired amount of days is in the display press left hand button ENTER, then right hand button EXIT to return to MENU

3:37 PM
CH OFF MAN
MENU

3:3 i PM
CH OFF MAN
▲ SET HOLIDAY
SELECT EXIT

20
▲ ADJUST DAYS
ENTER +/- BACK

How do I activate my holiday program?

- Press left hand button MENU SET STATUS is shown, press SELECT

- Press top middle button △ until HOLIDAY is shown

- Press left hand button SELECT display will flash as shown your system is now in HOLIDAY mode (OFF) and will countdown the amount of days you have set it for, at the end of which it will automatically go back to your normal set program.
  You can also press CANCEL to return to normal program mode.

3:3 i PM
CH OFF MAN
▲ HOLIDAY
SELECT BACK

3:3 i PM
HOLIDAY MODE
MENU CANCEL

3:3 i PM
RE 20 DAYS
MENU CANCEL

What do the buttons do?

ADV (ADVANCE)
This brings forward the next switching time, for example:-

(a) if your times were ON 7am and OFF 9am - ON 5pm and OFF 10pm and you pressed the ADV at 4pm your heating would come ON straight away and go OFF at 10pm.

(b) if your times were ON 7am and OFF 9am - ON 5pm and OFF 10pm and you pressed the ADV at 9pm your heating would go OFF straight away and come ON at 7am the next morning.

+ HRS
This allows you to either increase your heating time in multiples of one hour (up to a maximum of 3 hours) during a timed ON period or to bring on the heating in multiples of one hour (up to a maximum of 3 hours) during an OFF period.

Notes: