

# Installation and operating instructions for the Siemens RWB27 Timeswitch.

## Programme Choice

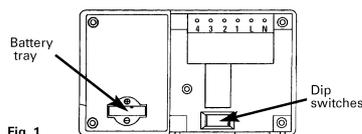
To enable you to select the programme most suitable for your needs we offer a choice of 3 programmes.

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.



## 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.

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.

These booklets 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 RWB27.

1. First remove the backplate from the RWB27 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 RWB27 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.



#### WEEKDAY/WEEKEND

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 RWB27 to the backplate. If the RWB27 is replacing another Landis & Gyr or Landis & Staefa product as listed below no wiring changes are required, **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.

6. If the RWB27 is replacing another Landis & Gyr or Landis & Staefa product as listed below, these products are **NOT** suitable for replacement by the RWB27. Return the RWB27 to your stockist/installer and request the RWB29 which will fully interface with your old units backplate. RWB1, RWB2, RWB20, RWB40, RWB200, RWB200cw, RWB252, RWB252cw, RWB270, RWBXP, Gloworm Mastermind, Potterton Miniminder, Sankey Sunline.

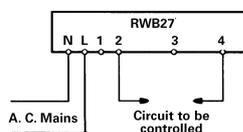
### 7. Mounting Location

To ensure convenience of use, the RWB27 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 RWB27 or its backplate.

### 8. Backplate

The RWB27 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. RWB27 Internal Wiring Diagram



For 240V link between L and 2

The voltage applied to terminal 2 is switched to terminal 4 when the Timeswitch is in the ON position, and to terminal 3 when the Timeswitch is in the OFF position. If 240V direct mains switching is required, link L to 2. (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 Timeswitch, failure to do so could cause damage to the RWB27 and will invalidate all warranty claims.**

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

**NOTE:** If using the RWB27 to operate the pilot wire of a SIEMENS electric panel heater link terminal L to terminal 2 and connect pilot wire to terminal 3. This unit must not be used to operate any other type of electric heating or other potentially high current devices.

### 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 RWB27

#### Preset Factory Settings

#### 2 on/off

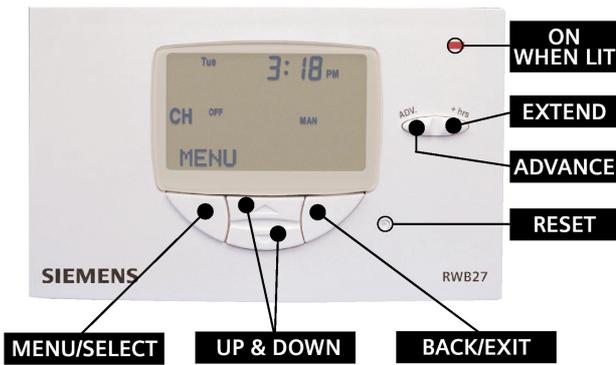
**6.30am to 8.30am and 4.30pm to 10.30pm**

Supply: 200/240V 50Hz  
Power Consumption: 50mA  
Contact rating: 6A (resistive)  
2A (inductive)

Switching voltage: 12 to 240V  
Ambient temperature range: 0 to 40°C  
Environmental humidity: 80% RH  
Housing: Fire-retardant ABS material

# Daily Programming instructions for the Siemens RWB27 Timeswitch.

## RWB27 Controls



## Introduction

This leaflet will give you easy to follow instructions to allow you to set your RWB27 Timeswitch 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.

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

- Press left hand button MENU



- Press top middle button  $\triangle$  until SET PROGRAM is shown



- Press left hand button SELECT display will show



To change 1st ON time press SELECT, time will flash, change times by using  $\triangle$ / $\nabla$ , when desired time is in the display press ENTER display will show



- Repeat as above until last OFF time is entered display will show



press EXIT to return to MENU



## RWB27 Daily



Display will flash as shown at first installation

How do I change/set the clock?

- Press top middle button  $\triangle$  display shows
- Alter time using  $\triangle$ / $\nabla$  buttons to scroll
- When correct time is shown press left hand button ENTER
- Press right hand button EXIT display shows



How do I review the current ON/OFF times?

- Press left hand button MENU



- Press top middle button  $\triangle$  until REVIEW PROG is shown



- Press left hand button SELECT



- 1st ON time will be shown

- Press top middle button  $\triangle$  1st OFF will be shown



- Continue above two actions until last OFF is shown



- Press right hand button BACK then press again EXIT (this will return you to MENU)



## What do the switching options mean?

### AUTO

This means that the RWB27 will switch ON and OFF according to the programmed times

### MANUAL OFF

This means that the RWB27 will be permanently OFF

### MANUAL ON

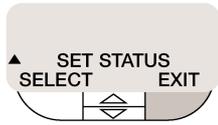
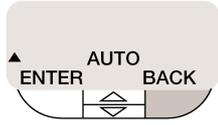
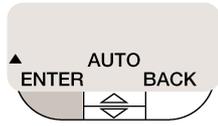
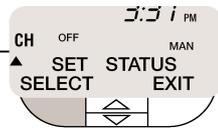
This means that the RWB27 will be permanently ON

### ONCE

This means that the RWB27 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.

## How do I select my four switching options?

- Press left hand button MENU  
Display shows
- Press left hand button SELECT twice, Display shows
- Press top middle button  $\triangle$  until your switching option is displayed
- Choose desired option by pressing ENTER
- 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  $\triangle$  until SET TIME is shown
- Press left hand button SELECT
- Alter time using  $\triangle$ / $+$ / $-$ / $\nabla$  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



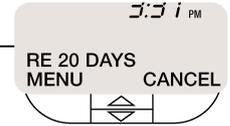
## How do I set my holiday program?

- Press left hand button MENU
- Press top middle button  $\triangle$  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  $\triangle$ / $+$ / $-$ / $\nabla$ , 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  $\triangle$  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:-

- 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.
- 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.