



## Operating Instructions

Multizone Floor Heating Systems

### Master room unit operation

#### QAX810 (zone 1)

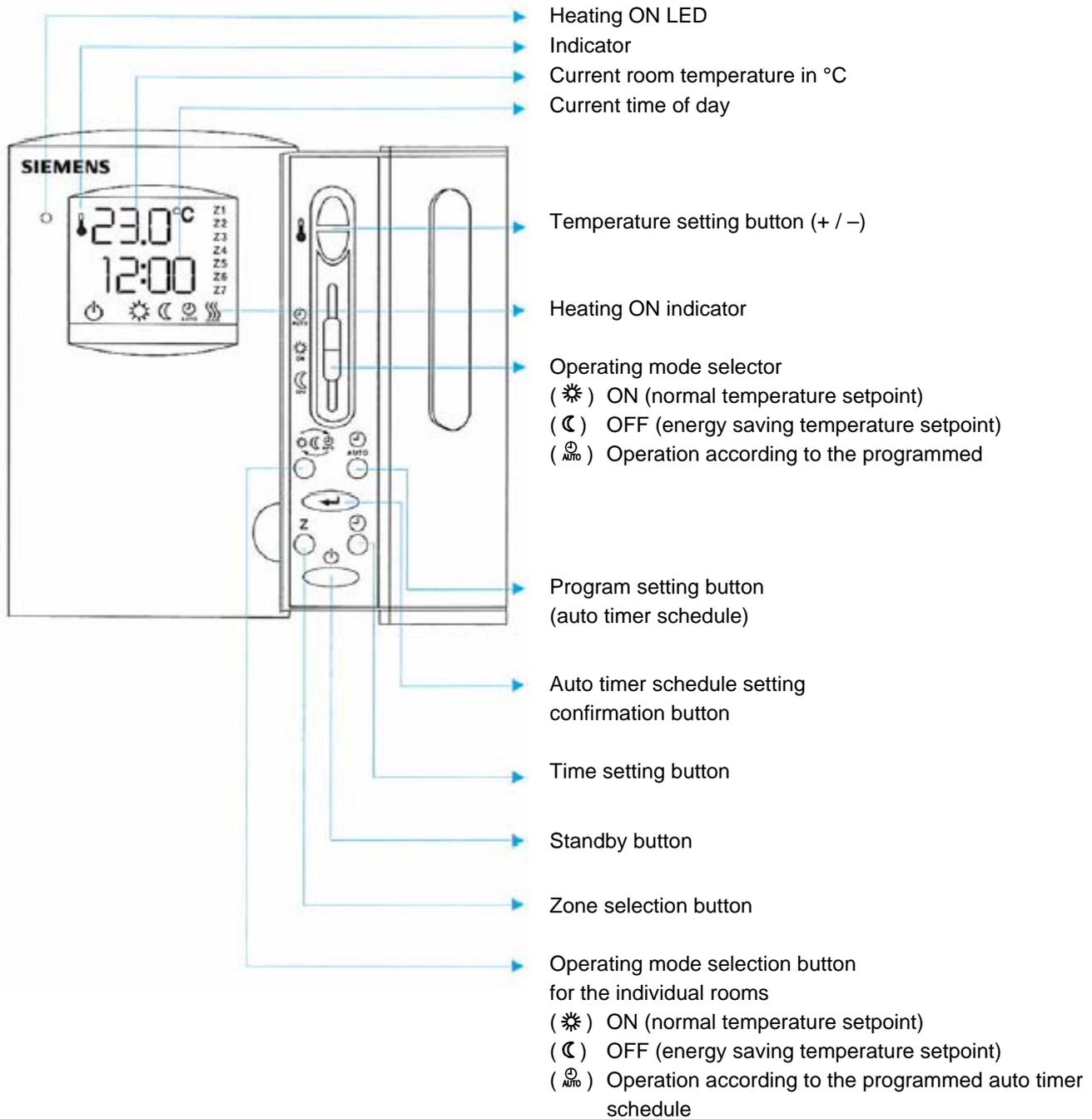
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### Zone room unit operation

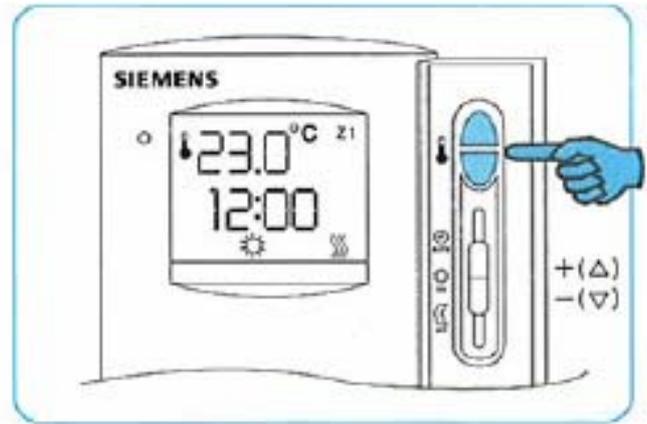
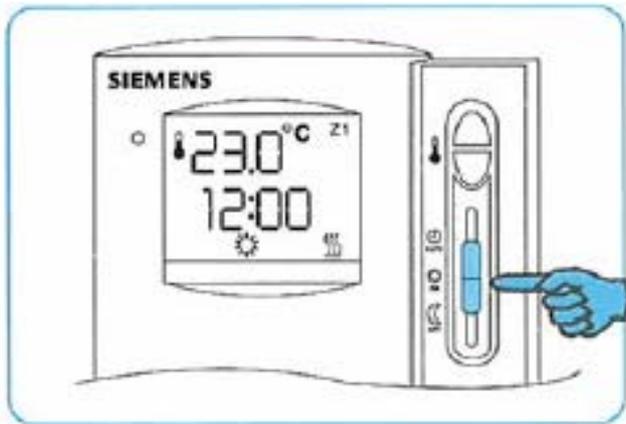
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Operating elements

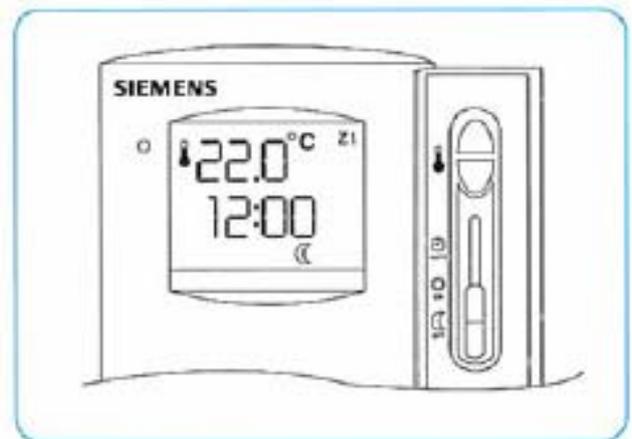
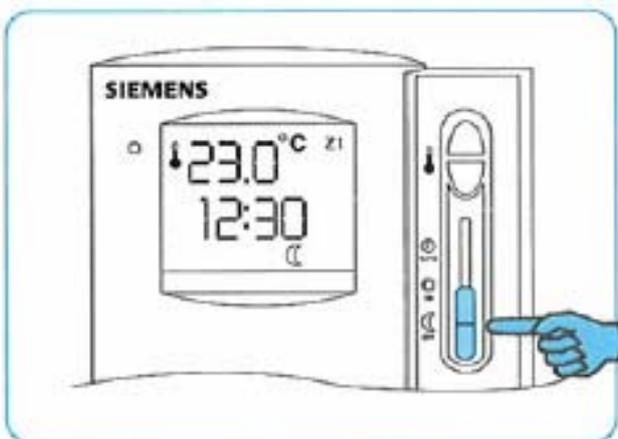


## 1. How to manually switch the heating ON



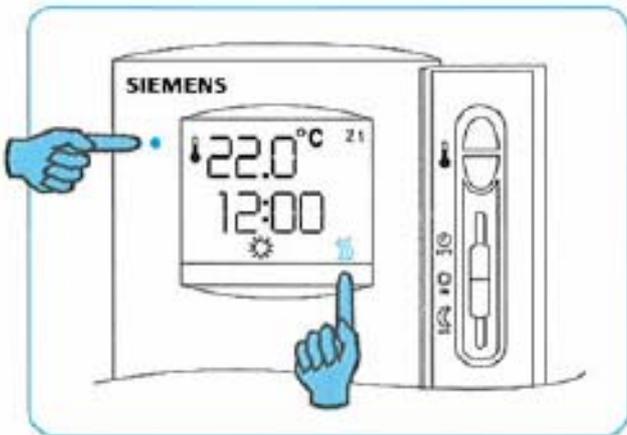
- 1.) Set the operating mode selector to ( \* ).
  - 2.) Press the temperature setting buttons (+ / -) and set the required room temperature (the default value is 23 °C for ON).
  - 3.) The set temperature will flash for 3 seconds to become valid and the actual room temperature will be displayed.
  - 4.) If the actual room temperature is lower than the temperature set, the heating will be switched on (if the actual room temperature is higher than the temperature set, the heating will be switched off).
- \* To check the temperature setting, press one of the temperature setting buttons (+ / -) once and the setting will be displayed briefly.

## 2. How to manually switch the heating OFF

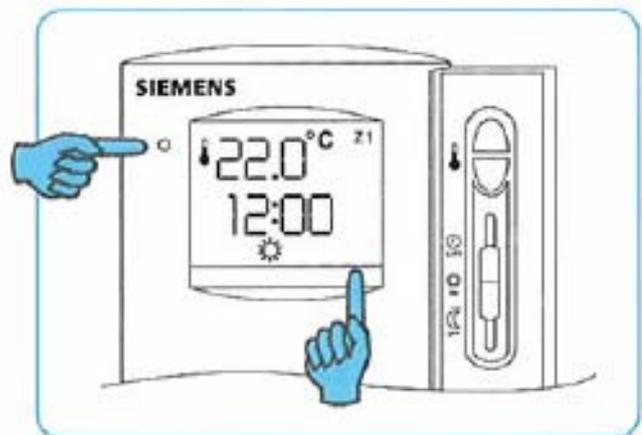


- Set the operating mode selector to ( C )
- \* ( C ) will be displayed. The heating will still operate if the actual room temperature falls below the energy saving temperature setpoint. The default value for energy saving mode ( C ) is 18 °C.

**Checking the heating operating state**

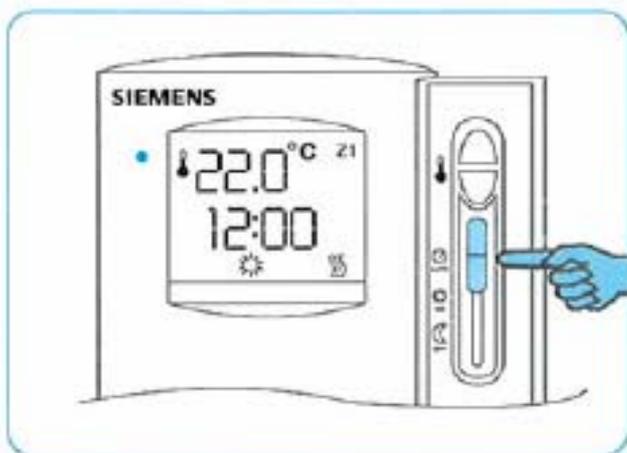


\* When the heating is on, the green LED will be lit and (☀) appears on the display.

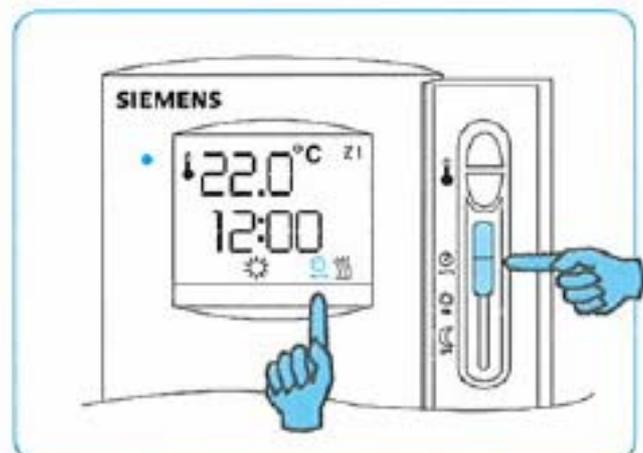


\* When the heating is off, the green LED will be dark and (☀) does not appear on the display

**3. How to select auto timer operation**

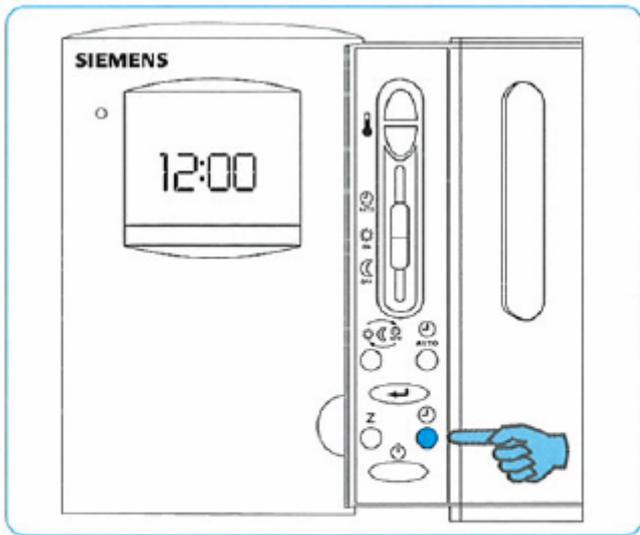


• Set the operating mode selector to (☀).



\* (☀) will be displayed. The heating is switched on and off according to the auto timer schedule (the default auto timer schedule is set to 06:00 – 08:00 and 17:00 – 20:00) => See page 10 for auto timer setup instructions.

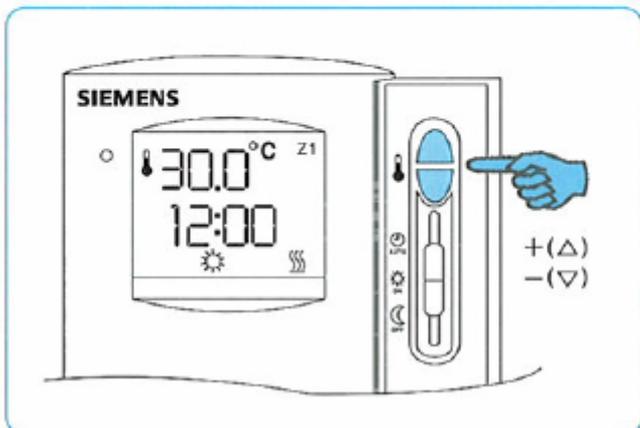
#### 4. How to set the current time of day



1.) Press the time setting button (⌚).



\* The time of day currently set on the master room unit will flash on the display.

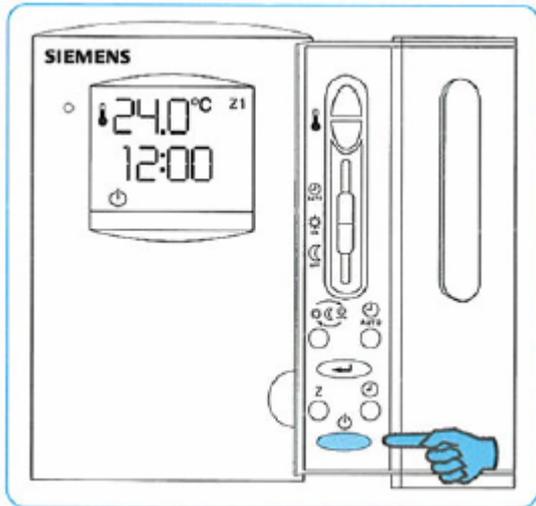


2.) Set the current time of day by pressing the temperature setting buttons (+ / -)

\* When you press the setting buttons once, the time will change in 10-minute increments. When pressing continuously, the time will change in 10-minute increments.

### 5. How to switch the system to standby mode

When leaving the premises unoccupied



1.) Press the standby button (⏻).

\* The standby symbol appears on the display and the heating is switched off.



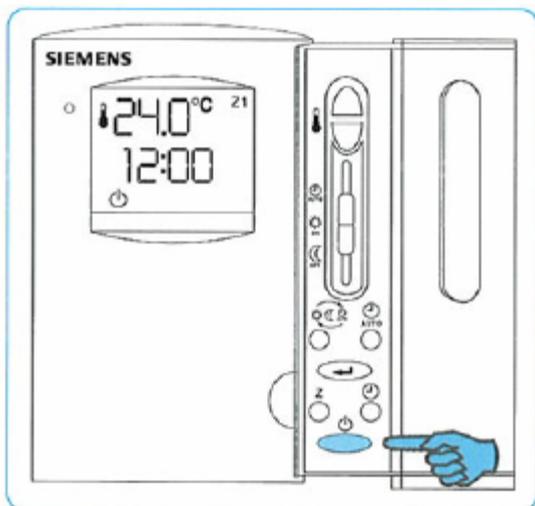
(master room unit)



(room units for zones 2...7)

\* When the heating is switched off, the unit's time function and thermometer function continue to be active, but at a lower setpoint of 5 °C for all zones (default value).

When reoccupying the premises



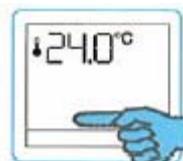
1.) Press the standby button (⏻).

Heating returns to the previous operating mode.



(master room unit)

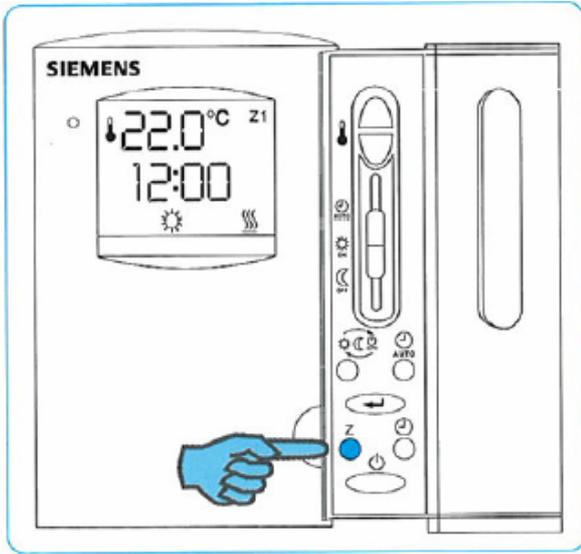
The standby symbol disappears from display



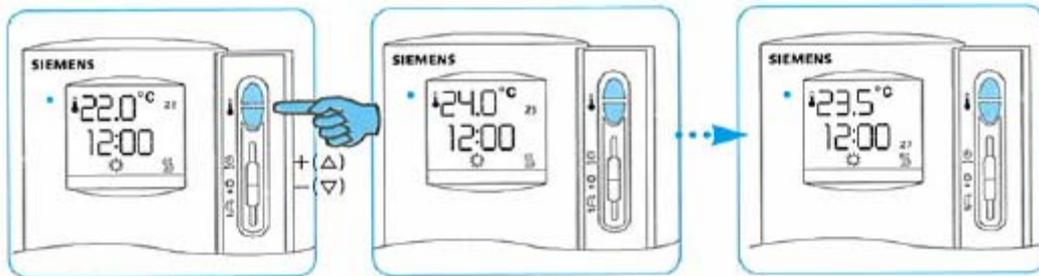
(room units for zones 2...7)

OFF disappears from the display

**6. How to set the required temperature for each zone**



- 1.) Press the zone selection button until the desired zone is indicated.
- 2.) Press the temperature setting buttons (+ / -) to set the room temperature to the required level (as described on page 2).

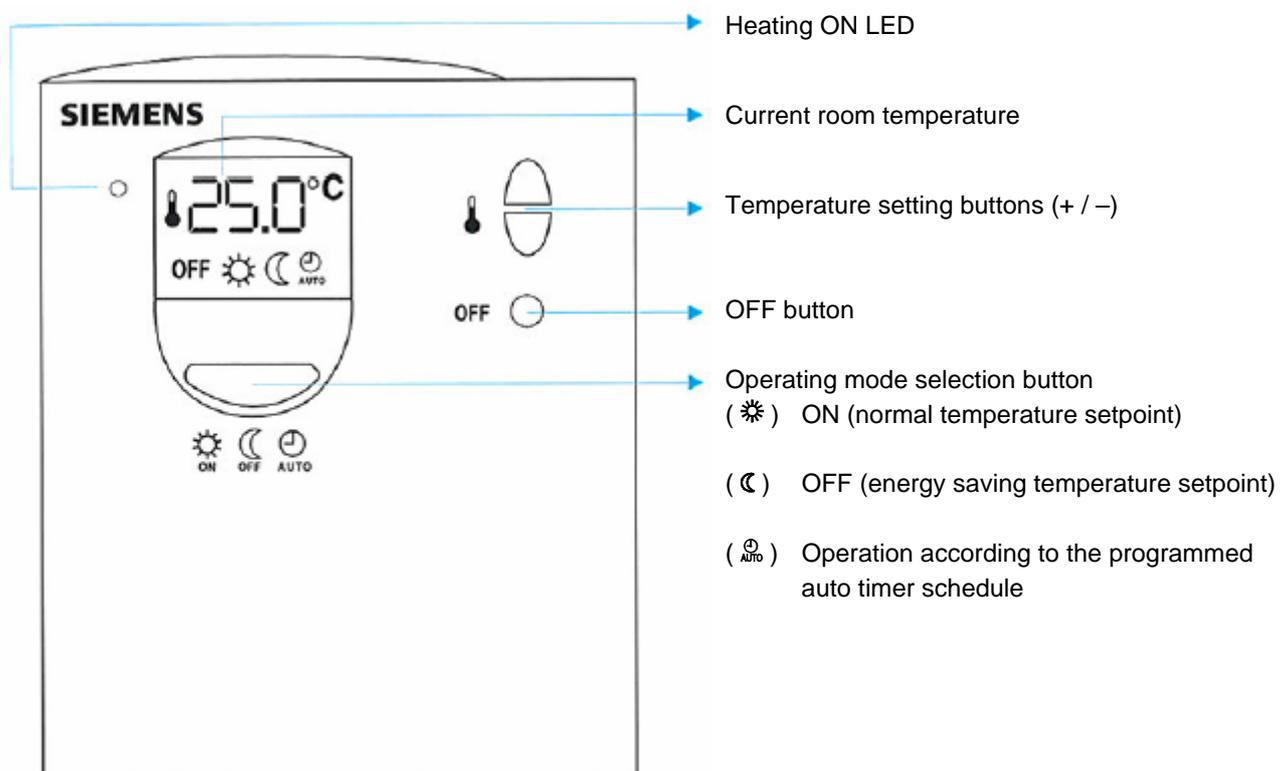


- 3.) When all zones are selected, the display will show the complete operating state of the selected zone.
- 4.) Repeat steps 1.) and 2.) for other zones as required.

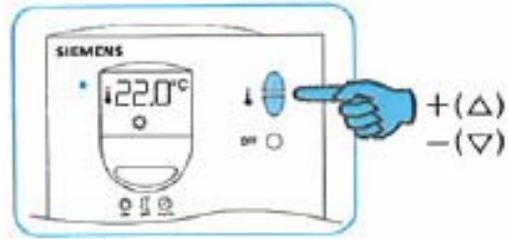
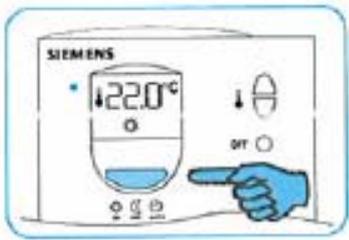
## Zone room unit operation QAW810 (zones 2...7)

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### Operating elements



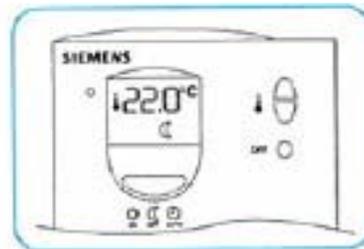
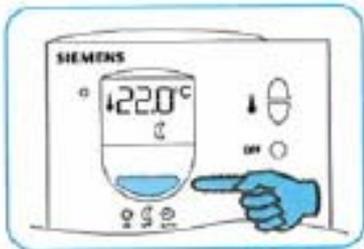
### 1. How to manually switch the heating ON



- 1.) Press the operating mode selection button until ( 🔥 ) is displayed.
- 2.) Press the temperature setting buttons (+ / -) and set the room temperature (the default value for ON mode is 23 °C).
- 3.) If the actual room temperature is lower than the temperature set, the heating will be switched on (if the actual room temperature is higher than the temperature set, the heating will be switched off).

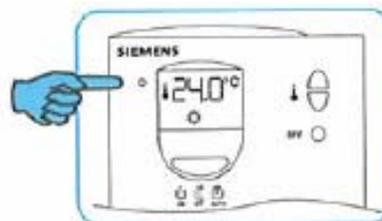
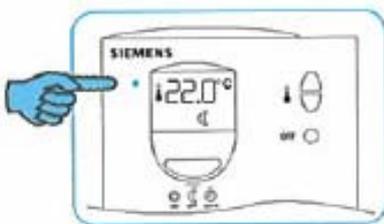
\* To check the temperature setting, press one of the temperature setting buttons (+ / -) once and the setting will be displayed briefly.

### 2. How to manually switch the heating OFF



- 1.) Press the operating mode selection button until ( ℹ ) is displayed.
- 2.) Select ( ℹ ) mode when you only require the room temperature to be maintained at the energy saving setpoint (the default value for energy saving mode ( ℹ ) is 18 °C).

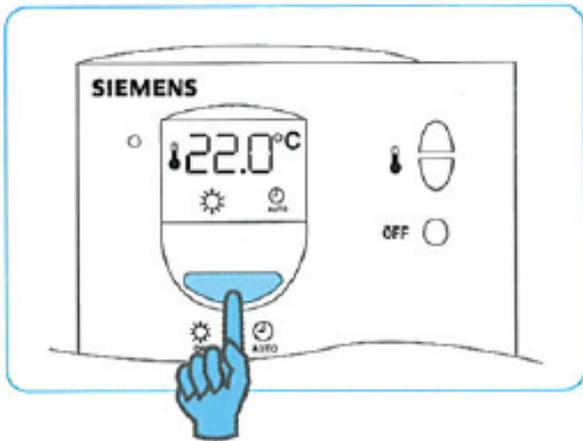
### Checking the heating operating state



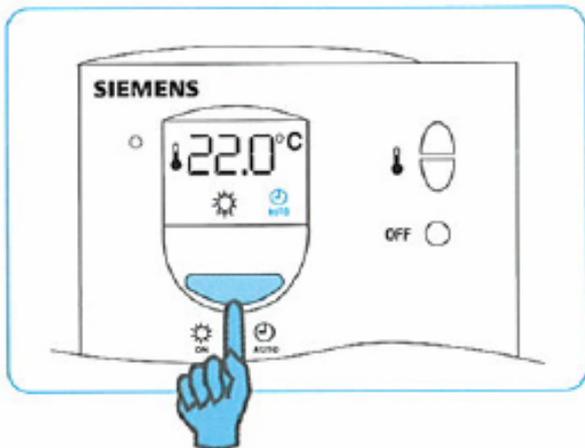
\* When the heating is on, the green LED will be lit and ( 🔥 ) appears on the display.

\* When the heating is off, the green LED will be dark and ( 🔥 ) does not appear on the display.

### 3. How to select auto timer operation

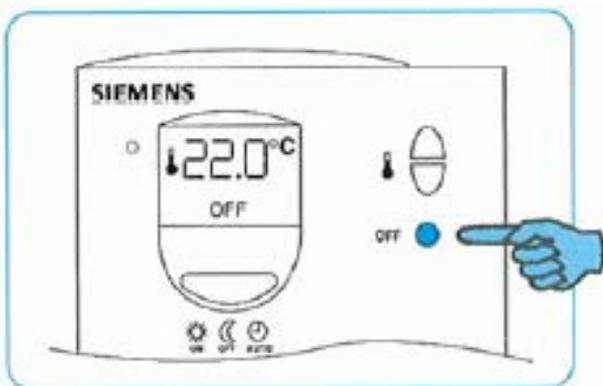


Press the operating mode selection button until (  ) is displayed



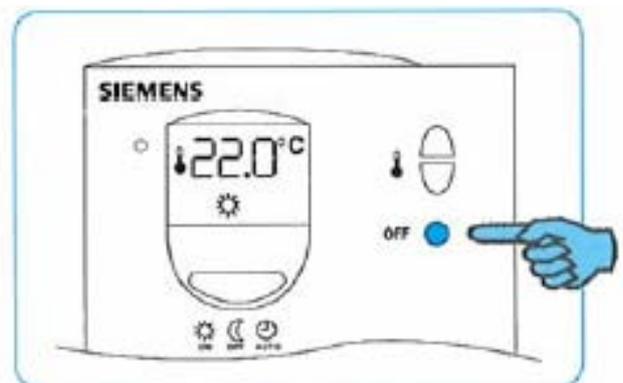
\* (  ) will be displayed. The heating is switched on and according to the auto timer schedule as set on the QAX810 master room unit (the default auto timer schedule is set to 06:00 – 08:00 and 17:00 – 20:00)  
=> See page 10 for auto timer setup instructions.

### 4. How to switch the QAW810 to individual OFF mode



\* When leaving the room unoccupied for an extended period of time:

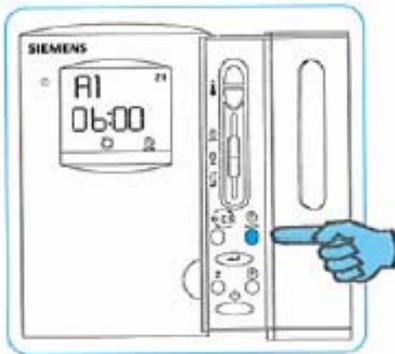
- Press the OFF (  ) button
- OFF appears on the display and the heating setpoint is reduced to 5 °C (default value)



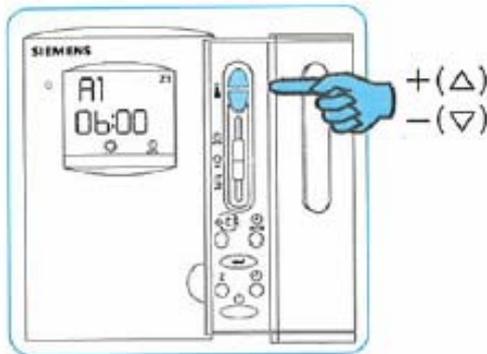
\* When reoccupying the room:

- Press the OFF (  ) button and the unit returns to the previous operating mode. OFF disappears from the display

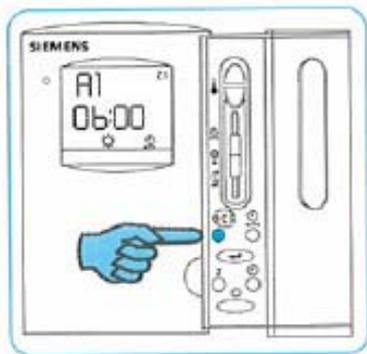
## 1. How to set the start time



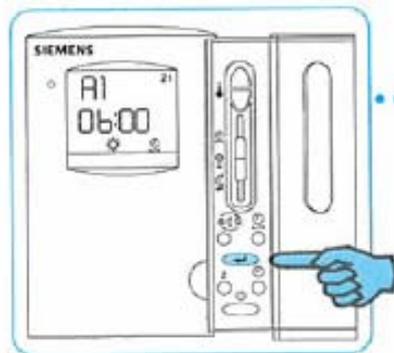
1.) Press the program setting buttons for 3 seconds.



2.) While the time display of A1 "06:00" flashes, press the temperature setting buttons (+ / -) to select the required ON time.



3.) Select (☼) with the operating mode selection button.

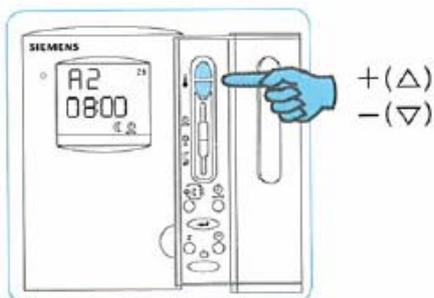


4.) Press the confirmation button (←) after setting.

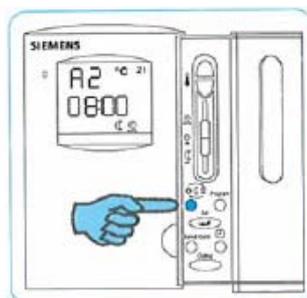


5.) When the setting is completed, the display shown below will appear. Move to A2 selection.

## 2. How to set the end time

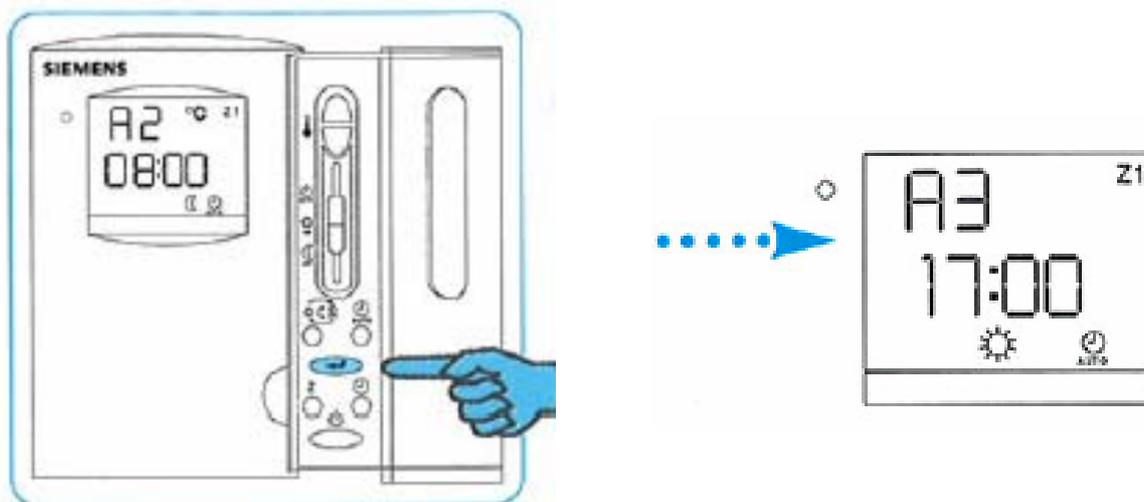


1.) While the time display of A2 "08:00" flashes, press the temperature setting buttons (+ / -) to select the required OFF time.



2.) Select (☼) with the operating mode selection button.

**How to set the auto timer schedule  
QAX810**



3.) Press the confirmation button ( ← ) after setting.

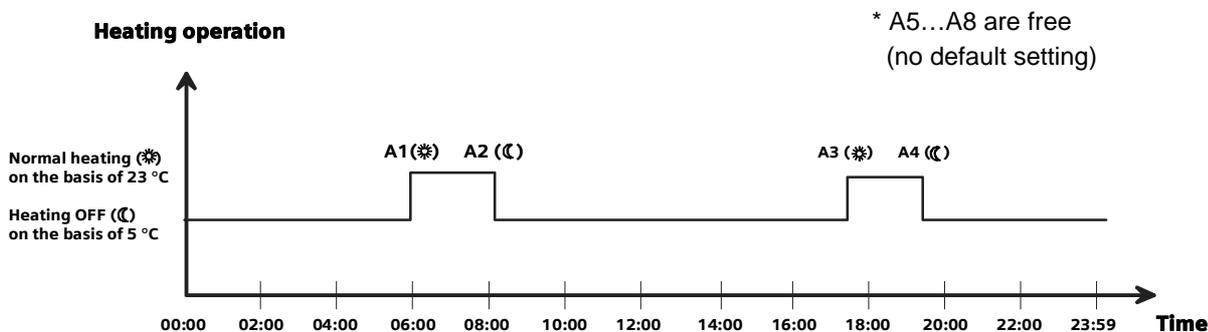
4.) When the setting is completed, the display shown below will appear. Move to A3...A8 selection.

5.) If required, you can set up to 4 start / end cycles as illustrated below.



\* Scheduled start / end times can be set for each zone by selecting the individual zone (1...7) and repeating the steps above.

**Default auto timer schedule setting diagram**



- \* Caution
- The set heating temperature must not be lower than the set heating OFF temperature
- When setting the individual room schedules, select the desired zone; then, set the switching times as described above

Problem	Checklist	Solution
The unit's display is blank	<ul style="list-style-type: none"> <li>Is the power supply off?</li> <li>Is the RUN LED on the RRV817 controller flashing?</li> <li>Is the room unit correctly connected?</li> </ul>	<ul style="list-style-type: none"> <li>Switch on power supply</li> <li>After checking the power supply, call your service engineer</li> </ul>
The room is too cold while the unit's display looks ok	<ul style="list-style-type: none"> <li>Is the set temperature lower than the actual room temperature?</li> <li>Is the heating LED lit?</li> </ul>	<ul style="list-style-type: none"> <li>Set the desired room temperature to a level above the actual room temperature</li> <li>After setting, check to see whether the heating LED is lit</li> </ul>
The room unit's LED is lit, but there is no heating	<ul style="list-style-type: none"> <li>Is the pipe dirty?</li> <li>Is the pipe full of air?</li> <li>Is the boiler operating?</li> <li>Is the zone valve actuator operating?</li> </ul>	<ul style="list-style-type: none"> <li>Clean the strainer</li> <li>Have the air removed from the pipework?</li> <li>Call your service engineer</li> </ul>
Auto timer operation does not appear to switch on the heating	<ul style="list-style-type: none"> <li>Is Auto mode selected?</li> <li>Is the present time-of-day setting correct?</li> <li>Are the auto timer settings correct?</li> </ul>	<ul style="list-style-type: none"> <li>Set to Auto</li> <li>Set the current time of day</li> <li>Press the program setting button for 3 seconds and set the time correctly for each zone (be sure to set all switching points between 00:00 and 23:59 for every day required)</li> </ul>
Emergency heating	<ul style="list-style-type: none"> <li>If the heating is not operating although the above checklist has been followed...</li> </ul>	<ul style="list-style-type: none"> <li>Separate valve and actuator. Then, switch on the heating by using a manual valve</li> <li>Call your service engineer</li> </ul>



- Be sure not to dismantle this product because it operates on AC 230 V
- Be sure to avoid contact with moisture, since this product operates on AC 230 V