R27 - 2 Zone Programmer

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1. Factory default settings
Program: 5/2D
Backlight: On
Keypad: Unlocked
Frost Protection: Off

2. Factory program settings

<table>
<thead>
<tr>
<th>Mode</th>
<th>P1 ON</th>
<th>P1 OFF</th>
<th>P2 ON</th>
<th>P2 OFF</th>
<th>P3 ON</th>
<th>P3 OFF</th>
</tr>
</thead>
<tbody>
<tr>
<td>S/2D</td>
<td>6:30</td>
<td>8:30</td>
<td>12:00</td>
<td>12:00</td>
<td>16:30</td>
<td>22:30</td>
</tr>
<tr>
<td>Mon-Fri</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sat-Sun</td>
<td>7:30</td>
<td>10:00</td>
<td>12:00</td>
<td>12:00</td>
<td>17:00</td>
<td>23:00</td>
</tr>
<tr>
<td>All 7 days</td>
<td>6:30</td>
<td>8:30</td>
<td>12:00</td>
<td>12:00</td>
<td>16:30</td>
<td>22:30</td>
</tr>
<tr>
<td>7D</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Everyday</td>
<td>6:30</td>
<td>8:30</td>
<td>12:00</td>
<td>12:00</td>
<td>16:30</td>
<td>22:30</td>
</tr>
<tr>
<td>24H</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

3. Resetting the programmer
It is necessary to press the RESET button prior to initial programming. This button is located behind the cover on the front of the unit.

4. Setting the date and time
Lower the cover on the front of the unit. Move the selector switch to the CLOCK SET position. Press the [+] or [–] buttons to select the day. Press the [+] or [–] buttons to adjust the year. Press the [+] or [–] buttons to select the month. Press the [+] or [–] buttons to adjust the hour. Press the [+] or [–] buttons to select the minute.
The date, time and function are now set. Move the selector switch to the RUN position to run the program, or to the PROG SET position to change the program setting.

5. ON/OFF period selection
There are 4 modes available on this programmer for users to choose for their individual application.

AUTO The programmer operates 3 ‘ON/OFF’ periods per day.
ALL DAY The programmer operates 1 ‘ON/OFF’ period per day.
This operates from the first ON time to the third OFF time.
ON The programmer is permanently on.
OFF The programmer is permanently off.

Lower the cover on the front of the unit. By pressing the button, you can change between AUTO / ALL DAY / ON / OFF for Zone 1.
Repeat this process for Zone 2 by pressing the button.

6. Adjusting the program settings

Lower the cover on the front of the unit.
Move the selector switch to the PROG SET position.
You can now program Zone 1.
Press the [+] or [–] buttons to adjust the P1 ON time. Press [ON].
Press the [+] or [–] buttons to adjust the P1 OFF time. Press [ON].
Repeat this process to adjust the ON & OFF times for P2 & P3.
Press the [zone 2 select] button and repeat the above process to adjust for Zone 2.
When completed, move the selector switch to the RUN position.

7. Copy function
Copy function may only be used if the timeswitch is in the 7d mode.
Lower the cover on the front of the timeswitch.
Move the selector switch to the PROG SET position.
Set the ON & OFF times for the day of the week you wish to copy from.
Press the [copy] button for 2 seconds. The next day of the week will begin to flash.
Press the button to copy the ON & OFF times to this day.
Press the [on] button to skip a day.
ON & OFF times can be copied to multiple days by using the [on] button.
Press the [on] button when copying has been completed.
When completed, move the selector switch to the RUN position.

Important: Keep this document
This 2 zone programmer is designed to provide ON/OFF control for 2 zones, with the value added application of built in frost protection.

CAUTION!
Before commencing, disconnect the device from the mains. There are parts that carry mains voltage behind the cover. Never leave unsupervised when it is open. (Prevent non specialists and especially children from gaining access to it.) Never remove this product from the electrical baseplate. Disconnect from mains supply in the event of any damage to any buttons. Do not use sharp tools to push any button.

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8. Reviewing the program settings
Lower the cover on the front of the unit.
Move the selector switch to the PROG SET position.
By pressing OK this will review each of the ON/OFF times for P1 to P3 for Zone 1.
Repeat this process to review the ON/OFF times for Zone 2 by pressing ZONE 2 SELECT and then pressing OK.
When completed, move the selector switch to the RUN position.

9. Boost function
This function allows the user to extend the ON period for 1, 2 or 3 hours. If the zone that you wish to Boost is timed to be OFF, you have the facility to switch it ON for 1, 2 or 3 hours.
Press the required button, OK for Zone 1, for Zone 2 once, twice or three times respectively.
To cancel the boost function, simply press the respective boost button again.

10. Advance function
This function allows the user to bring forward the next switching time.
If the zone is currently timed to be OFF and the ADV is pressed, the zone will be switched ON until the end of the next switching time.
If the zone is currently timed to be ON and the ADV is pressed, the zone will be switched OFF until the end of the next switching time.
Press for Zone 1 and for Zone 2.
To cancel the ADVANCE function, simply press the respective ADV button again.

11. Holiday mode
Lower the cover on the front of the unit.
Move the selector switch to the RUN position.
Press the button.
The current date and time will flash on the screen.
It is now possible to enter the date and time when you plan to return.
Press the or buttons to adjust the holiday period required.
Press the button.
The programmer is now switched OFF for the selected number of days.
By pressing the button again, this will cancel the holiday mode, thereby returning the programmer to the normal setting.

12. Backlight mode selection
There are two settings for selection. The factory default setting is ON.
ON The backlight is permanently ON.
AUTO On pressing any button the backlight stays on for 10 seconds.

To adjust the backlight setting, lower the cover on the front of the unit.
Move the selector switch to the RUN position.
Press the button for 5 seconds.
Press either the or buttons to select the ON or AUTO mode.
Press the button.

13. Keypad lock and unlock
To lock the keypad, press and hold the and Holiday buttons for 5 seconds.
 will appear on the screen. The keypad is now locked.
To unlock the keypad, press and hold the and Holiday buttons for 5 seconds.
 will disappear from the screen. The keypad is now unlocked.

14. Frost protection function
Selectable range 5~20°C. This function is set to protect pipes against freezing or to prevent low room temperature when the timeswitch is programmed to be OFF or is manually OFF.
Frost protection can be activated by following the procedure below.
Move the selector switch to the RUN position.
Press both the and buttons for 5 seconds, to enter selection mode.
Press either the or buttons to to turn On or turn Off frost protection.
Press the button to confirm.
Press either the or buttons to increase or decrease the desired frost protection setpoint.
Press the button to select.
Both zones will be switched ON in the event of room temperature falling below the frost protection setpoint.
When frost protection is enabled, “Frost” will be visible on the screen.
When frost protection is activated, “Frost” will flash on the screen.

15. Master reset
Lower the cover on the front of the timeswitch.
There are four hinges holding the cover in place.
Between the 3rd and 4th hinges there is a circular hole.
Insert a ball point pen or similar object to master reset the timeswitch.
After pressing the master reset button, the date and time will now need to be reprogrammed.