R37-RF - 3 Zone RF Programmer

Operating Instructions

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Important: Keep this document

This 3 zone RF programmer is designed to provide ON/OFF control for 3 zones, with the value added application of in built 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.

1. Factory default settings

Program:	5/2D
Backlight:	On
Keypad:	Unlocked
Frost Protection:	Off

2. Factory program settings

5/2D	P1 ON	P1 OFF	P2 ON	P2 OFF	P3 ON	P3 OFF
Mon-Fri	6:30	8:30	12:00	12:00	16:30	22:30
Sat-Sun	7:30	10:00	12:00	12:00	17:00	23:00

7D	P1 ON	P1 OFF	P2 ON	P2 OFF	P3 ON	P3 OFF
All 7 days	6:30	8:30	12:00	12:00	16:30	22:30

24H	P1 ON	P1 OFF	P2 ON	P2 OFF	P3 ON	P3 OFF
Everyday	6:30	8:30	12:00	12:00	16:30	22:30

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 OK
Press the + or − buttons to select the month.   Press OK
Press the + or − buttons to select the year.   Press OK
Press the + or − buttons to select the hour.   Press OK
Press the + or − buttons to select the minute.   Press OK
Press the + or − buttons to select 5/2D, 7D or 24H   Press OK

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.

5. ON/OFF period selection (Continued)

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. **ON**

OFF The programmer is permanently off. **OFF**

Lower the cover on the front of the unit. By pressing the [ZONE 1 SELECT] button, you can change between AUTO / ALL DAY / ON / OFF for Zone 1.

Repeat this process for Zone 2 by pressing the [ZONE 2 SELECT] button and for Zone 3 by pressing the [ZONE 3 SELECT] 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 OK
Press the + or − buttons to adjust the **P1 OFF** time.   Press OK

Repeat this process to adjust the **ON & OFF** times for **P2 & P3**.

Press [ZONE 2 SELECT] and repeat the above process to adjust for Zone2.

Press [ZONE 3 SELECT] and repeat the above process to adjust for Zone3.

When completed, move the selector switch to the **RUN** position.

7. 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.

Press [ZONE 2 SELECT] and repeat the above process to adjust for Zone 2.

Press [ZONE 3 SELECT] and repeat the above process to adjust for Zone 3.

When completed, move the selector switch to the **RUN** position.

8. 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, ZONE 1 Boost for Zone 1, ZONE 2 Boost for Zone 2 and ZONE 3 Boost for Zone 3. - once, twice or three times respectively.

To cancel the boost function, simply press the respective boost button again.

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9. 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 [ZONE 1 ADV.] for Zone 1, [ZONE 2 ADV.] for Zone 2 or [ZONE 3 ADV.] for Zone 3.

To cancel the **ADVANCE** function, simply press the respective **ADV** button again.

10. Holiday mode

Lower the cover on the front of the unit.

Move the selector switch to the **RUN** position.

Press the [Holiday] button.

The current date and time will flash on the screen. It is now possible to enter the date and the time when you plan to return.

Press the [+] or [−] buttons to select the day.   Press [Holiday]
Press the [+] or [−] buttons to select the month.   Press [Holiday]
Press the [+] or [−] buttons to select the year.   Press [Holiday]
Press the [+] or [−] buttons to select the hour.   Press [Holiday]

To activate Holiday mode press the [OK] button.

To cancel Holiday mode press the [OK] button again.

Otherwise Holiday mode will deactivate on the time and date entered.

11. Connect the RF thermostat with the programmer

On the programmer

Lower the front cover and move the selector switch to the **RUN** position. Press the [−] button for 5 seconds. **Wireless Connect** will appear on the screen.

On the RFR wireless room thermostat or RFC wireless cylinder thermostat

Press the **Code** button. This is located inside the housing on the PCB.

On the programmer

Zone 1 will begin to flash. Press the [ZONE 1 SELECT], [ZONE 2 SELECT] or [ZONE 3 SELECT] button for the zone you wish to connect the thermostat to.

The wireless symbol appears on the screen.

The thermostat will count upwards to the number of the zone that it is paired with. When it reaches the number of the zone that it is paired with press the handwheel on the thermostat.

The programmer is now operating in the wireless mode. The temperature of the wireless thermostat is now displayed on the programmer.

Repeat this process for the second and third zone if required.

12. Disconnect the RF thermostat from the programmer

On the programmer

Lower the front cover and move the selector switch to the **RUN** position.

Press the [−] button for 5 seconds.

Wireless Connect will appear on the screen.

Press the [−] button for 3 seconds. This will clear all RF connections thereby disconnecting all thermostats from the timeswitch.

Press the [OK] button.

13. Backlight mode selection   On

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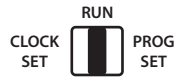
ON   The backlight is permanently ON.
AUTO   On pressing any button the backlight stays on for 10 seconds.

To adjust the backlight setting
Lower the cover on the front of the unit.
Move the selector switch to the **RUN** position.
Press the [OK] button for 5 seconds.
Press either the [+] or [−] buttons to select the **ON** or **AUTO** mode.
Press the [OK] button.

14. Keypad lock and unlock   Unlocked

To lock the keypad, press and hold the [OK] and [Holiday] buttons for 5 seconds. will appear on the screen. The keypad is now locked.

To unlock the keypad, press and hold the [OK] and [Holiday] buttons for 5 seconds. will disappear from the screen. The keypad is now unlocked.

15. Copy function

Copy function may only be used if the programmer is in the 7d mode.

Lower the cover on the front of the programmer.
Move the selector switch to the **PROG SET** position.

First, program one of the days of the week with a schedule you wish to copy to other days.

While still on that day press and hold the [COPY Holiday] button for 3 seconds.

This will take you into the Copy screen.

The day of the week that is to be copied is shown and the day it is to be copied to is flashing.

Press the [+] button to copy the schedule to this day.

Press the [−] button to skip this day

Continue in this fashion by pressing the [+] button to copy the schedule to the day flashing and by pressing the [−] button to skip that day.

When you are finished press the [OK] button

Move the selector switch to the **RUN** position.

16. Frost protection function   Off

Selectable range 5~20°C. This function is set to protect pipes against freezing or to prevent low room temperature when the programmer 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 [OK] button to confirm.

Press either the [+] or [−] buttons to increase or decrease the desired frost protection setpoint. Press [OK] to select.

All zones will be switched ON in the event of room temperature falling below the frost protection setpoint.

17. Master reset

Lower the cover on the front of the programmer. 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 programmer.

After pressing the master reset button, the date and time will now need to be reprogrammed.