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EPH CONTROLS R47 4 Zone Programmer Instruction Manual

Operating Instructions
R47 – 4 Zone Programmer

Important: Keep this document This 4 zone programmer is designed to provide ON/OFF control for 4 zones, with the value added application of in built frost protection and keypad lock.

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.

Contents

Factory default settings

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

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

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

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.
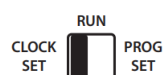
Setting the date and time

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.

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. **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 n and for Zone 4 by pressing the [ZONE 4 SELECT] button.

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]

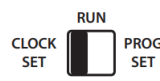Press the [+] or [−] buttons to adjust the P1 OFF time. Press [OK]

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

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

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

Press [ZONE 4 SELECT] and repeat the above process to adjust for Zone 4
When completed, move the selector switch to the RUN position.

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.
Set the ON & OFF times for the day of the week you wish to copy from.

Press the [Holiday] **COPY** button for 2 secs. The next day of the week will begin to flash.

Press the [+] button to copy the ON & OFF to this day.

Press the [−] button to skip a day.

ON & OFF times can be copied to multiple days by using the [+] button.

Press the [OK] button when copying has been completed.
When completed, move the selector switch to the RUN position
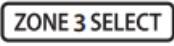
Reviewing the program settings

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

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]

Repeat this process to review the ON/OFF times for Zone 3 by pressing [ZONE 3 SELECT] and then pressing [OK]

Repeat this process to review the ON/OFF times for Zone 4 by pressing [ZONE 4 SELECT] and then pressing [OK]

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

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, [ZONE 4 Boost] for Zone 4 once, twice or three times respectively
To cancel the boost function, simply press the respective boost button again.

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, [ZONE 4 ADV.] for Zone 4
To cancel the ADVANCE function, simply press the respective ADV button again.

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 adjust the holiday period requried.

Press the [OK] button.
The programmer is now switched OFF for the selected number of days.

By pressing the [OK] button again, this will cancel the holiday mode, thereby returning the programmer to the normal settings.
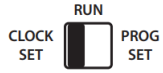
Backlight mode selection

 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

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.

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 the [OK] button to confirm.

Press either the [+] or [−] buttons to increase or decrease the desired

frost protection setpoint.

Press the [OK] button to select.

Both HOT WATER and HEATING 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.

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.

EPH Controls Ireland
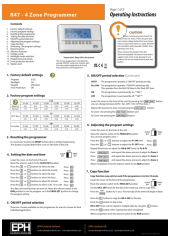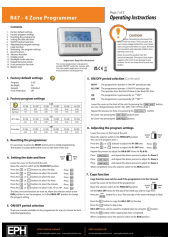**technical@ephcontrols.com www.ephcontrols.com**
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Documents / Resources

	EPH CONTROLS R47 4 Zone Programmer [pdf] Instruction Manual R47 4 Zone Programmer, R47 4, Zone Programmer, Programmer
	EPH CONTROLS R47 4 Zone Programmer [pdf] Instruction Manual R47 4 Zone Programmer, R47, 4 Zone Programmer, Zone Programmer, Programmer
	EPH CONTROLS R47 4 Zone Programmer [pdf] User Manual R47 4 Zone Programmer, R47 4, Zone Programmer, Programmer

References

- **EPH** [Home Page - EPH Controls](#)
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