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### Important: Keep this document

This 2 zone programmer is designed to provide ON/OFF control for 2 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

Day	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

Day	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

Day	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.

- 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.

## 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 the **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**.

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

## 7. 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 **COPY Holiday** 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.

### 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, **ZONE 1 Boost** for Zone 1, **ZONE 2 Boost** 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 **ZONE 1 ADV.** for Zone 1 and **ZONE 2 ADV.** 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 **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 required.

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.



### 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 **OK** button for 5 seconds.

Press either the **+** or **-** buttons to select the **ON** or **AUTO** mode.

Press the **OK** button.



### 13. Keypad lock and unlock



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.

### 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 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 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.



### 15. 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.