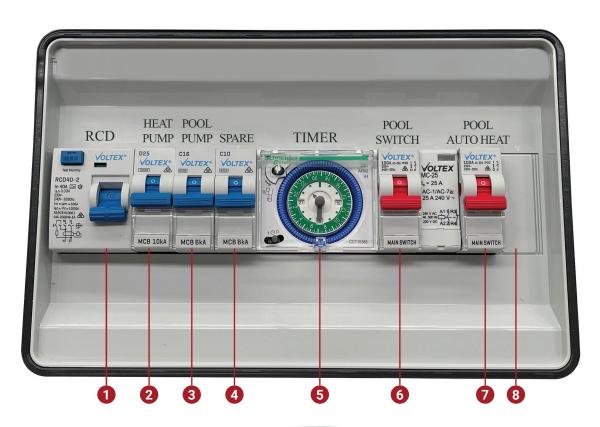


# **Pool Management System**





- **Earth Leakage Breaker** Residual Current Device
- 2 Heat Pump Circuit Breaker
- 3 Filter Pump and Chlorinator Circuit Breaker
- **Spare Circuit Breaker** This circuit breaker is for extra electrical needs such as lights, etc.

- 5 The Time Clock See overleaf for instructions
- **6** Control Switch The switch turns on the filter pump and chlorinator
- **7** Pool Auto Heat Overrides the time clock device
- 8 Spare Expansion Slots



# **Pool Management System**

## **Time Clock Operation**

The time clock has a built-in battery backup, allowing it to keep the correct time even during power outages. The **time clock is the unit with the clear window**. To access the timer, **lift the window open from the bottom**. The timer dial is numbered **1–24** to represent the hours of the day. At the top of the dial, you will see a "0" (off) and a "1" (on) indicator.

### **Setting the Operating Times**

To program the filter pump to turn ON at 7:00am and turn OFF at 4:00pm, follow these steps:

- 1. Rotate the dial **downwards** until the number **7** is at the indicator.
- 2. Push the pins between 7 and 1 (position "ON").
- 3. Continue rotating the dial to expose additional numbers and keep pushing the pins to the **1 (ON)** position up to **16**, which corresponds to **4:00pm**.
- 4. All other pins should remain in the **0 (OFF)** position.

**24-hour clock reminder:** 13 = 1:00pm, 14 = 2:00pm, 15 = 3:00pm, 16 = 4:00pm, and so on.

#### Auto/Manual Switch:

The timer includes an Auto/Manual switch

- Leave the switch in the **Auto**  $\Theta$  position for normal operation.
- Use the 1 (Manual ON) position only when temporarily overriding the timer.

### **Getting Started**

- 1. Plug the Filter Pump into the round plug socket.
- 2. Plug the Salt Chlorinator (if fitted) into the square plug socket.
- 3. Turn the power **ON** at the wall to supply the TCBP unit.
- 4. Turn the **Heat Pump Isolator** to the **ON** position.
- 5. Turn the **Auto Heat** switch to the **ON** position.
- 6. Set the Time Clock to the normal filtering times (not heating times—heating is controlled automatically).
- 7. The **Filter Pump** will now activate the **Heat Pump**. Once the Heat Pump is running, return the **Manual Override** (if used) to **AUTO**. The system will now remain in **Auto Heat** mode, meaning the Filter Pump and Heat Pump will continue to operate until pool reaches the set temperature.

## **Earth Leakage Breaker (RCD)**

This device serves as the main isolating switch for single-phase units. It detects earth leakage caused by moisture or electrical faults and disconnects power to ensure user safety.

- Press the test button **once per month**.
- The unit should switch OFF immediately.
- Reset the RCD by switching it back **ON** after testing.



# **Pool Management System**

## **How the System Works**

- 1. When the **Filter Pump** starts, **water flow** activates the **heat pump**. The pool's current temperature will be displayed on the **Heat Pump**'s temperature controller.
- 2. Adjust the temperature controller to the desired pool temperature following the Heat Pump instructions.
- 3. Auto Heat OFF:
  - The **Heat Pump** and **Chlorinator** (if fitted) will both start and stop according to the Time clock, provided the Heat Pump is calling for heat at that time.

### 4. Auto Heat ON:

- · When the Time Clock activates the system, the Filter Pump, Heat Pump, and Chlorinator all start.
- If the Time Clock switches off while heating is still required, the **Chlorinator stops**, but the **Filter Pump and Heat Pump continue running** until the pool reaches the set temperature.
- · Once the Heat Pump stops heating, the Filter Pump switches off automatically.

