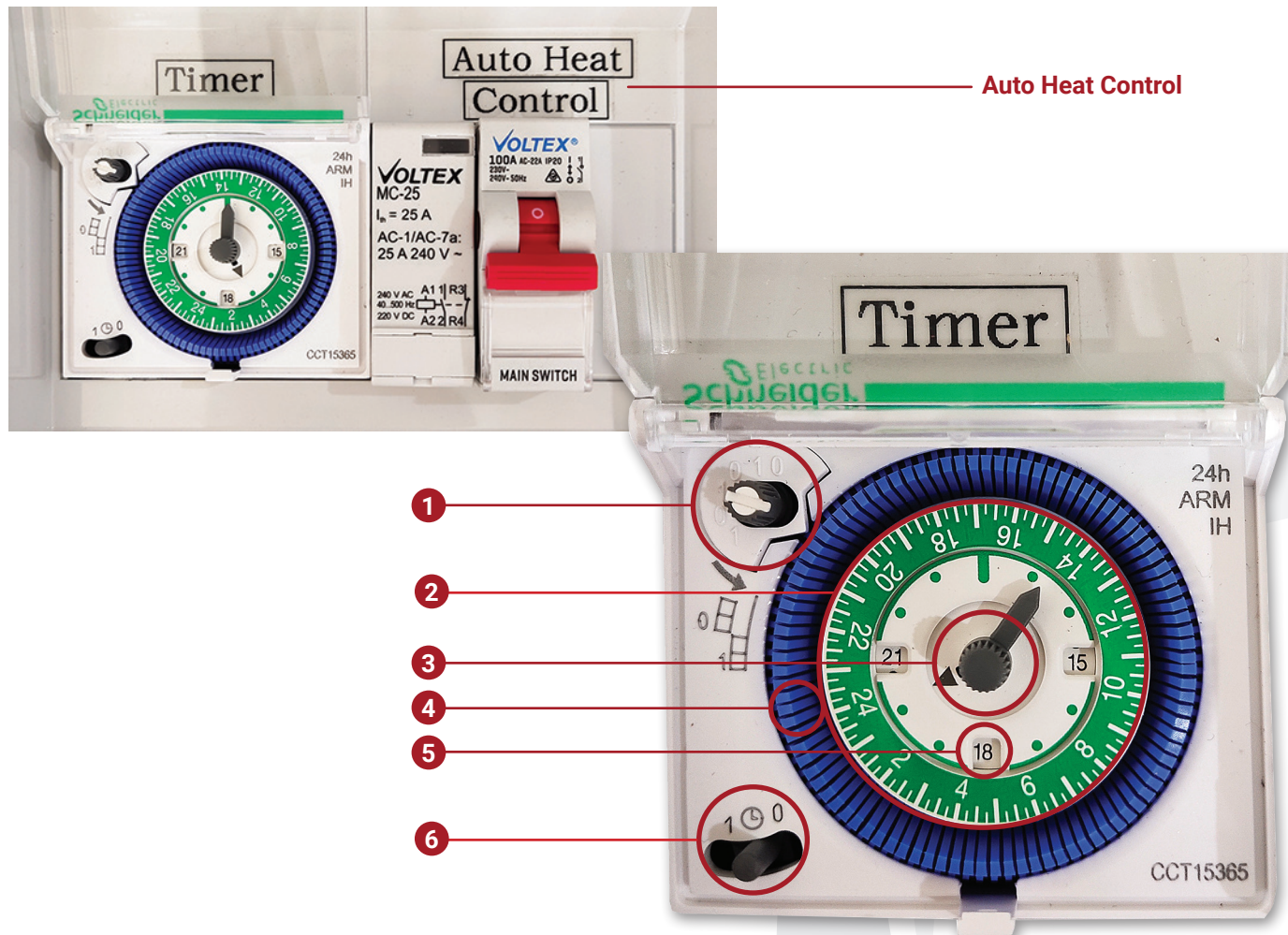




Interface

- 1 Temporary ON/OFF Override**
0 = Override **OFF** until the next scheduled switch ON time
1 = Override **ON** until the next scheduled switch OFF time
- 2 Segment Time Disk**
- 3 Dial for setting current time (both hours and minutes)**
- 4 ON/OFF switching segments for programming**
- 5 Morning/Afternoon (AM/PM) time display**
- 6 Permanent Override Switch**
1 = Permanent **ON** override
⊖ = Switch automatically as programmed
0 = Permanent **OFF**

Time Clock Panel



Filter Pump Socket

Auto Heat Control

Time Clock Operation Instructions

The time clock has a battery backup, so it retains the correct time even during power outages or when the power is turned off.

The timer is located behind the clear window—lift it open from the bottom to access the dial. The dial is marked from 1 to 24 (representing hours of the day). At the top of the dial, you'll see two symbols:

- **0 = OFF**
- **1 = ON**

To set the time to run the filter pump from 7:00am to 4:00pm, follow these steps:

1. **Rotate the dial downward** until the number 7 (for 7:00am) is at the top.
2. **Push the small pins** (located around the dial edge) to the **"1" (ON)** position from **7 to 16** (which represents 4:00pm). You may need to continue rotating the dial to expose all the numbers.
3. Leave all other pins in the **"0" (OFF)** position.

Note: This is a 24-hour clock. For reference: 13 = 1:00pm, 14 = 2:00pm, 15 = 3:00pm, 16 = 4:00pm, and so on.

The timer also has an **AUTO/MANUAL** switch:

- Set it to **AUTO** for normal scheduled operation.
- Set it to **MANUAL (1)** to override the schedule and turn the pump on continuously.

Getting Started

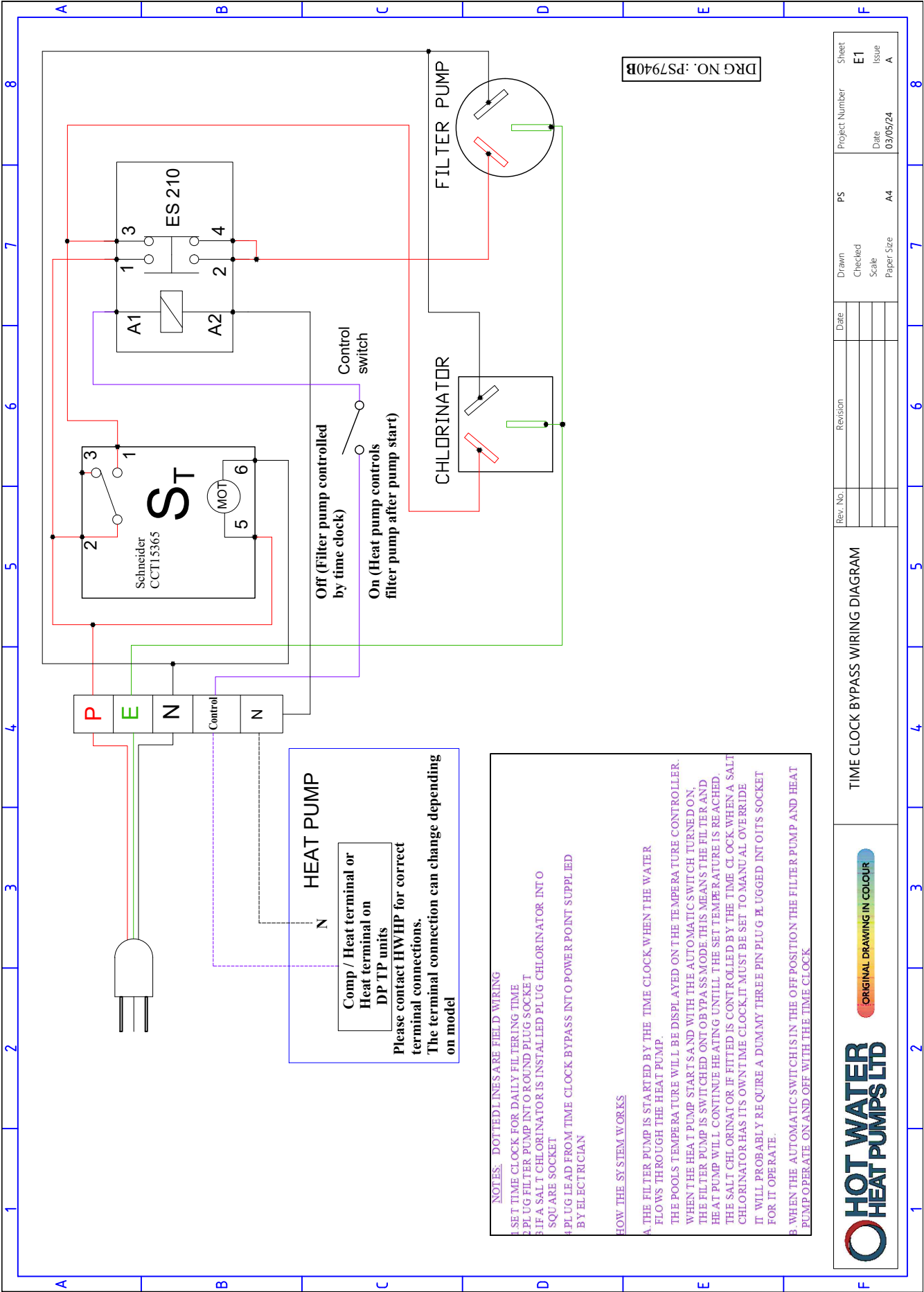
1. **Plug the filter pump** into the **square socket** (as shown above).
2. If fitted, **plug the salt chlorinator** into the **round socket** (as shown above) .
3. **Turn on the power** at the wall to the **TCBP unit**.
4. Switch the **Heat Pump Isolator** to the ON position.
5. Turn the **Auto Heat** switch to the **ON** position (as shown above)
6. **Set the timer** to our normal **filtering time** (not heating time – the automatic system controls heating times as needed). You may also use the **manual override** if preferred.
7. The **filter pump will activate the heat pump**. Once the heat pump has started, you can return the **manual override switch** to **AUTO**.

The system is now in **Auto Heat mode**: the filter pump and heat pump will continue running automatically until the pool reaches the desired temperature.

How the System Works

- When the **filter pump starts**, water flow triggers the **heat pump** to begin operating. The **pool temperature** will then appear on the **heat pump's temperature controller**.
- **Set the desired temperature** on the controller following the instructions in the heat pump manual.
- With the **Auto Heat switch OFF**:
 - The **heat pump** and **chlorinator** (if fitted) will operate **only during the timer's active period**, and only **if heating is required** during that time.
- With the **Auto Heat switch ON**:
 - When the timer activates the system, the **filter pump, heat pump, and chlorinator** all start.
 - If the **heat pump still requires heating** after the timer switches off, the **filter pump and the heat pump will continue running**, but the **chlorinator will turn off**.
 - This allows the pool to continue heating **outside normal filtering hours**, while still maintaining chlorine levels during the scheduled filtering time.

Once the **heat pump reaches the set temperature and stops**, the **filter pump** will also **shut off automatically**.



DRG NO.: PS7940B



ORIGINAL DRAWING IN COLOUR

TIME CLOCK BYPASS WIRING DIAGRAM

Rev. No.	Revision	Date

Drawn	Checked	Scale	Paper Size

Project Number	PS	Date	Issue

Sheet	E1		