# POOL+ MANAGER  INSTALLATION & SETUP GUIDE

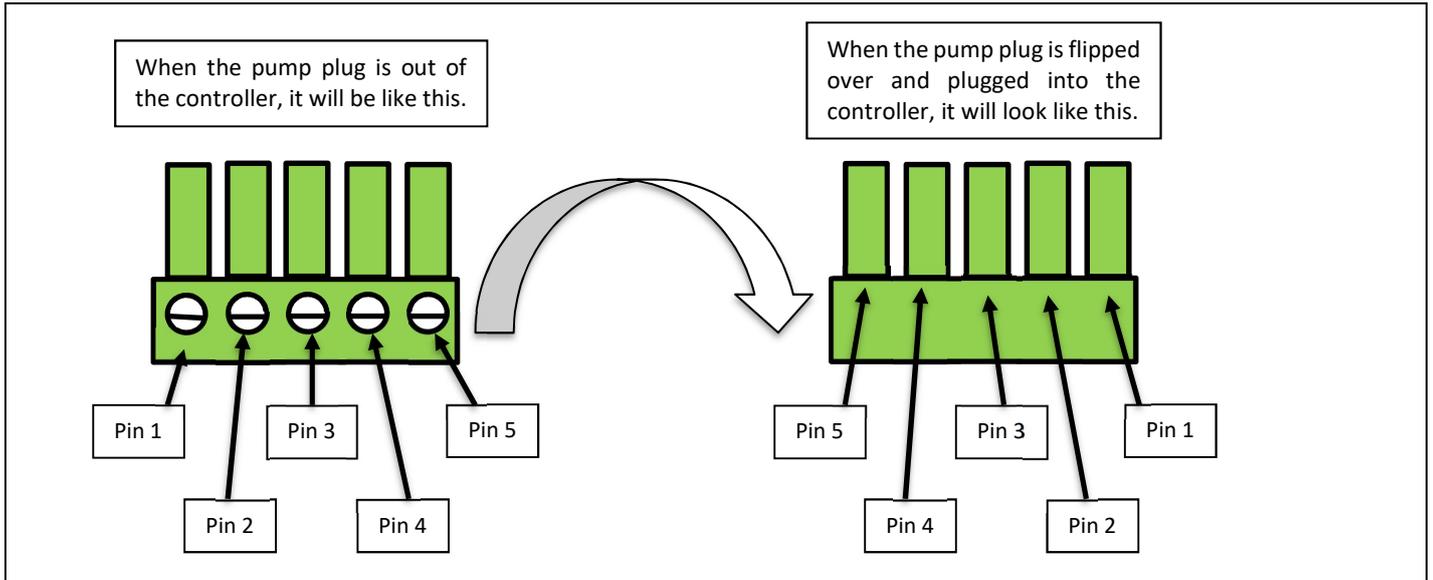| | |
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| INSTALLATION | **Master Controller & Expansion Unit/s Installation** <br><br> • Find a suitable location to mount the control box. **Ideally, as with all pool equipment, it should be installed out of direct weather** and no closer than 3 metres from the water's edge, at a minimum 600mm above ground. The power cable is 1.8m long and should be plugged directly into a general power outlet, not into an extension lead. <br> • Fix the mounting bracket to a solid structure via screws and wall plugs kit provided, and slide the controller on, locking into place. <br> • To remove unit, lift and gently pull away from mounting bracket. <br><br> ***Do Not turn the power on to the Master Controller or the Expansion Units until all the following criteria has been met.*** <br><br> • Install Pool sensor as per instructions on page 3 of the manual. <br> • Install Roof sensor (if option chosen) as per instructions on page 3 of the manual. <br> • If required, fit and install any Valves Actuators that are required to run the system. Plug the cable from the Valve Actuator/s into the Valve sockets located beneath the Master Controller (see diagram located on p4 of the manual for location). Up to 4 Valve Actuators can be installed and controlled. <br> • If a Gas Heater or Heat Pump is installed, then connect either the Heater Interlock cable or the Pump Call cable as per the instructions under HEATER CONTROL on p2 of the main instruction booklet. <br><br> REMEMBER: *If the heater's flow or pressure switch circuit is 240Vac, an external relay can be purchased separately and is to be **installed (KIT09) by a licensed electrician.*** <br><br> • Plug the communication cable from Expansion Unit 1 (if optioned) beneath the Master Controller. (see diagram on page 4] <br> • Plug the communication cable from Expansion Unit 2 (if fitted) beneath the Expansion Unit 1. (see diagram on p4) <br> • Plug in the Filtration Pump. If you have a variable speed pump, go to the next page to see the required wiring diagram for the brand/series of pump to be used. <br><br> *If the pump installed is a Reltech or Insnrg, a motor cable will need to be purchased separately.* <br><br> If the filtration pump is a single speed pump, plug directly into one of the power sockets located on either the Master Controller or on an Expansion Unit. The pump may be plugged into the Sanitiser outlet and the Sanitiser plugged into the controller power outlet. <br><br> • Plug all other appliance power cables that will be controlled by the POOL+ MANAGER into the power points located beneath the Controllers and ensure maximum current loads are not exceeded. |

# 5 PIN PUMP CONNECTION PLUG

When the pump plug is out of the controller, it will be like this.

Pin 1
Pin 2
Pin 3
Pin 4
Pin 5

When the pump plug is flipped over and plugged into the controller, it will look like this.

Pin 5
Pin 4
Pin 3
Pin 2
Pin 1

| | Pin 1 | Pin 2 | Pin 3 | Pin 4 | Pin 5 |
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| THERALUX (TVS PRO & THERAFLO) <br><br> RELTECH | Common <br> Black Wire | Speed <br> Red Wire | Speed <br> Brown Wire | Speed <br> Green Wire | Speed <br> White Wire |
| THERALUX (THERAFLO S-SERIES) 485 <br><br> RELTECH 485 | Not Used | Not Used | A <br><br> Green Wire | B <br><br> White Wire | 0 V <br><br> Black Wire |
| PENTAIR VS/F | Not Used | Not Used | A <br> Yellow Wire | B <br> Green Wire | Not Used |
| DAB | IN 0 <br> Red Wire | Not Used | Negative <br> Black Wire | Positive <br> Brown Wire | Not Used |
| INSNRG | Not Used | Not Used | A <br> Orange Wire | B <br> White/Orange Striped Wire | Not Used |

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| SETUP | **This sequence must be followed:**<br><br>• Turn the controller on at the power point, **wait for 20 seconds** before turning the power onto the **first** Expansion Unit. **Wait a further 20 seconds** before turning on the second Expansion Unit, if fitted.<br><br>This sequence is to ensure that the Master Controller recognises the Expansion Units in the correct order. Do this within the first 2mins while the Master Controller is actively scanning. The WiFi Indicator should be slowly FLASHING<br><br>Go to APP GUIDE – next page<br><br>If setting up though the controller start at the **Installer menu** and follow through each section.<br><br>• Enter the menu as described in the manual move ↑ or ↓ to highlight Installer Menu and press Enter.<br><br>Move through the Installer Menu options until 6.10 Expansion Unit is highlighted, press Enter.<br><br>You are looking to ensure that the Master Controller has recognised that there is Expansion boxes connected.<br>Press Enter, then use the ↑ or ↓ buttons to change the number of Expansion Units required: 0, 1, or 2.<br><br>Once the amount you require is displayed, press Enter to accept.<br>Press Enter to accept NO for Resetting the Expansion addresses.<br><br>• Once returned to Installer Menu, move to highlight 6.1 Appliances. Press Enter.<br><br>Move through the power sockets, valves and VF contact to assign appliances to them. Sockets 3-5 are Expansion Units 1 and sockets 6-8 are Expansion Unit 2.<br><br>• From there it will be a case of moving down through the rest of the Installer Menu options, entering what is attached to the system and how it works in conjunction with everything else.<br><br>Once everything within the system has been assigned, you can then move back to the main menu and work through entering Filtration Times, Temperature Settings, Timers, and Lights.<br><br>*If you don't go through the Installer Setup first, the Main Menu will be limited.*<br><br>Once the App has been installed and the QR code scanned, all settings can be changed via the App on a phone. |

# POOL+ MANAGER A2  APP GUIDE

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| **GETTING SET UP** | Before downloading the App for the POOL+ MANAGER controller, please ensure that the controller has been turned on, the WIFI indicator is slowly flashing, and the setup phone *is connected to the 2.4 G home WiFi (setup will not work using 5 G)*<br><br>• *Download the POOL+ MANAGER App*<br>• *Scan the QR code on the front of this page or rear of main controller*<br>• *Add the home WiFi password in Device Setup*<br>• *You are now ready to set up appliances*<br><br>**DEVICE:** there are several options that may be utilised.<br><br>• **QR Code**: Scan or Share:<br>  **Scan** – You can use this option to scan the QR code for the controller if your phone doesn't ask for the QR code to be scanned at initial startup of the App.<br>  **Share** – A simple way to add users that have downloaded the App.<br><br>• **WiFi Connection**: Setup – Enter Network Password<br><br>• **Installer Menu**: Lock Access to the Installer Menu:<br>  The Installer Menu can be locked once the system is set up to prevent equipment settings accidently being altered by users who may not know how the system works or needs to be set up. Doing this will only enable people with the password to have access to the Installer Menu options. Once locked, the Installer Menu options won't be visible in the menu screen.<br>  When you have locked the Installer Menu you will be asked to enter the password to unlock the Installer Menu options. Once unlocked the Installer Menu options will be visible to allow alteration.<br><br>• **Device Information**: You can type the device name here and see all relevant connection information and available UPDATES. |
| **ADDITIONAL INFORMATION** | When completed the App will display all settings currently set in your controller. From here you can select or alter any of the settings that are currently active in your Master Controller. |