

Installation Instructions

General Information

The PC Premium is manufactured from weather resistant materials and is designed for operation in full sun and rain. However all equipment will benefit from protection from both the sun and weather in that it will maintain its new appearance for a much longer period. The PC Premium Power Supply needs to be in a well ventilated area as it is air-cooled. Installing the unit in a hot & closed shed or box may lead to overheating and the operation of the internal protective thermal cut-out.

Note that insect intrusion (particularly ants) can cause problems with all equipment – the owner should ensure that the pool equipment area is maintained as free of insects as possible. Insect intrusion is not covered under the warranty.

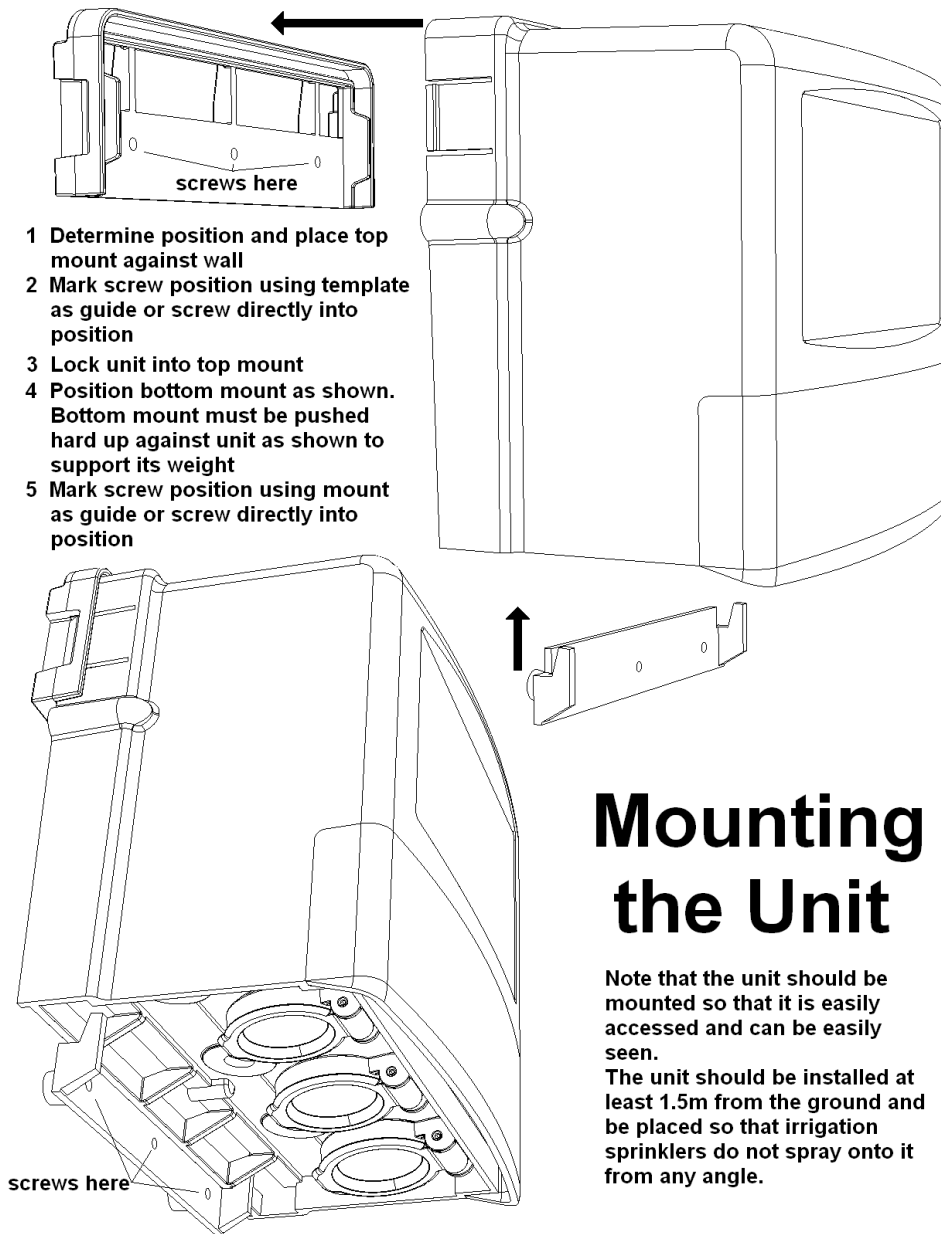
When installing a PC Premium unit in conjunction with a Heatpump or Gas Heater there are special considerations to stop acid corrosion of the heat exchanger. If the PC Premium unit is to be installed below water level or the use of a peristaltic pump or venturi system is required there are also special considerations. Please refer to the manual downloadable from www.reltech.com.au.

For most installations please refer to Installation Diagram 1.

Installing the PC Premium Power Supply

Choose a location for the PC Premium Power Supply close enough to the Cell/Housing and filtration pump so that both may be connected/disconnected easily. The PC Premium Power Supply should not be mounted in areas where chemicals are stored (eg acid and chlorine) as vapours from these chemicals are corrosive and may damage the electronic controls within the unit. Also ensure that the PC Premium Power Supply can be connected to the mains power outlet of the pool area. Note that this outlet must meet the current applicable Australian Standard at the time of installation.

The PC Premium Power Supply should be mounted vertically at least 1.5m above the ground and be at least 3 metres from the pool water. A simple mounting kit (2 x screws/wall plugs) is provided for mounting against a brick wall or post. The mounts are to allow some clearance between the mounting surface and the PC Premium Power Supply. Please note that the rear of the PC Premium Power Supply is aluminium – this can react and corrode when in contact with lime. The mounts are designed to prevent this.



Mounting the Unit

Note that the unit should be mounted so that it is easily accessed and can be easily seen.

The unit should be installed at least 1.5m from the ground and be placed so that irrigation sprinklers do not spray onto it from any angle.

A mounting template has been provided with this unit. When mounting to a post drill a pilot hole before attaching mounts and screws. **Note that the unit is not secure until the bottom mount is installed.**

The socket outlet in the base of the PC Premium Power Supply marked PUMP is dedicated to the filtration pump only. Do not use a double adaptor to connect another pump as this can overload the system and void warranty.

Installing/Connecting the PC Premium Cell

The Cell/Housing assembly should be plumbed into the pool return line after all other accessories (and prior to any heating take-offs). Note any water flow direction on the Cell/Housing. Remember that the Cell will need to be removed from the Housing periodically for cleaning – do not place it where its removal can be difficult/obstructed.

The Cell Cable is connected to the Cell Connector under the PC Premium Power Supply. Ensure that the 3 connections (2 for Cell Power and 1 for Gas Sensing) are colour matched and not loose. An unmatched connection is likely to damage the Cell and a loose connection is likely to cause arcing which may damage the entire system.

Pool Light Outlet: units with light power outlets have 1 or 2 outlets in the bottom of the PC Premium Power Supply. This is a controlled 240Vac outlet suitable for pool lights up to 150W. Simply plug in the pool light power supply.

Acid Dosing (optional): units with an Acid Dosing System (ADS) have an Injection Fitting and Feed Valve which must be installed. The Injection Fitting should be plumbed into the pump suction line. The chemical drum/s should be mounted away from the pool equipment to avoid possible corrosion problems.

The Feed Valve should be mounted on a wall or post close enough to allow connection to the PC Premium Power Supply (connector under unit).

Note that there are special requirements for some installations, see all Installations Diagrams. The feed tube, NRV and In-line Filter are then attached as shown in the diagrams.

