

# Pressure Controller RPC15-IT

## OPERATION MANUAL

### Automatic Pressure Controller

Dear Client,  
Congratulations on your purchase of this Pressure Controller.

These controllers are developed and manufactured using the latest in technology and advanced electrical and motor parts. Every controller is factory tested so we therefore expect it to reach you in perfect condition. Please check the following points on receipt of your controller:

- (1) Is the controller exactly what you ordered? Please check the nameplate.
- (2) Has any damage occurred during shipment? Are any screws loose?

Take the time to read the instructions carefully before using this appliance. We strongly recommend that you keep this instruction manual in a safe place for future reference.



### Features

- Automatic Control of Pressure Pumps
- Manufactured in quality controlled environment to the highest standards
- IP65 Protection
- Fitted with Australian Plug - 1.5m cable
- 0.5m Pump Cable
- Power-Pump-Failure Indicator Lights
- Restart button

### Specifications

TYPE	POWER		PRESSURE SETTING	MAXIMUM			CONNECTION	
	Watts	Amps		Pressure	Power			Fluid Temp.
			ON	Bar	Amps	Kw	BSP	
RPC15-IT	240v	50hz	150kPa	10	10	1.1	60°C	25mm

Check the nameplate for your pump's specification as per the table list. Do not exceed the given specifications in the use of your controller.

## TROUBLE-SHOOTING GUIDE FOR PRESSURE CONTROLLER

Problem	Check first and rectify accordingly	Check Second
<b>The Pump does not start</b>	Incorrect Wiring - Circuit Breaker Tripped - Safety Switch Tripped - Power Cable Damaged - Plug not in Socket Properly - Pump Switch (if fitted) is Off - Pump has overheated - Voltage Fluctuation - Filter blocked - No water in tank - Loss of Prime - Blockage or Airlock in Pipework, for pumps with suction lift (drawing water from below-ground tank) ensure that pipework only rises to the pump, you must not have rise and fall as this will cause airlocks - Check foot valve is not blocked or faulty.	1. The Suction screen (where fitted) on the inlet of the RPC15 or the non-return valve may be blocked, remove the pressure controller and clean it out. If there is blockage we strongly recommend that a prefilter screen is fitted between the tank and the pump to prevent further problems. 2. Failing this there may be an electrical fault. This must be checked by an Authorized Service Agent.
<b>The Pump does not stop pumping</b>	Leaking Toilet Cistern (put dry paper on the back surface of the toilet bowl to test if it is running down the back continuously) or leaks in pipework, check all pipework for leaks, for underground pipework look for muddy areas, grass growing extra-well, soil soft underfoot - Fault in the pump that it cannot build up pressure sufficiently, contact supplier of pump	There may be a fault with the Pressure Controller, this must be checked by an Authorized Service Agent.
<b>The Pump starts pumping when no taps are in use</b>	Washing Machine in use or - Leaking Toilet Cistern (put dry paper on the back surface of the toilet bowl to test if it is running down the back continuously) or leaks in pipework, check all pipework for leaks, for underground pipework look for muddy areas, grass growing extra-well, soil soft underfoot?	Plastic Tank shavings or similar may be caught in the non-return valve in the bottom of the Pressure Controller. Try flushing it out by opening as many taps as possible all at once. If this does not work, remove the Pressure Controller from the pump and inspect the non-return valve (it is just inside the bottom inlet) and if any obstruction is obvious, remove it using tweezers or long-nosed pliers or similar. If it is not this, then the unit may be faulty and should be replaced.

## WARRANTY RECORD – FILL IN AND RETAIN THIS WITH YOUR ORIGINAL PURCHASE RECEIPT

PURCHASER NAME .....PHONE NO .....

DATE OF PURCHASE ..... /..... /..... DEALER/STORE NAME.....

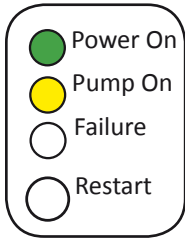
DEALER SUBURB/TOWN.....PHONE NO.....

MODEL NUMBER .....

### 12 Month Limited Warranty Conditions

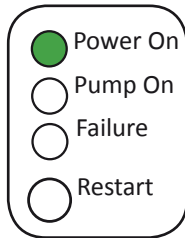
1. Warranty covers manufacturing defects within a 12 month period from the date of purchase that the Pressure Controller was purchased and used in mainland Australia only.
2. Faults arising due to: - Accidents, misuse, not following these instructions or power surges/spikes/brownouts will not be covered by this warranty
3. Warranty will be void if any tampering or removal of identification labels or electrical cables has occurred, or if any non-genuine parts have been fitted.
4. The costs of loss of livestock, damage to property, consequential losses or injury caused by the improper use or abuse of this appliance is not covered by this warranty.
5. Faults caused by incorrect installation or improper servicing will not be covered. In addition defects stemming from improper maintenance are not covered.
6. Warranty is void if this Pressure Controllers is used with a Home Generator power source.
7. Warranty is void if this Pressure Controllers is used for anything other than fresh, clean water.
8. The warranty period is from the date of original purchase.
9. For any warranty claim to be valid, an original proof of purchase must be supplied or an acceptable substitute, and the warranty record information above must be filled in, and presented for any warranty claim to be honored.
10. This warranty does not exclude any non-excludable rights according to Australian Law. However any condition that is made void by Australian Law does not void the remaining conditions, which shall stand unaltered.
11. In the case of warranty, if an exact replacement is not possible the closest equivalent product will be supplied at Ramdex Industries discretion.
12. In the case of Pressure Controller failure, you MUST:
  - i) Check the trouble shooting guide overleaf first
  - ii) Check thoroughly that the problem is the Pressure Controller, and ensure that it is not a problem with the pump.
  - iii) Then call Ramdex on 1300 726 339 and speak to the Warranty Department who will authorise repair or replacement, or you may return it to the original place of purchase, for a refund or a replacement.
13. This product is guaranteed as fit for the purpose of use stated on this instruction manual, and no other use.
14. Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure. If you (the purchaser) do not fall within the meaning of 'consumer' in the Australian Consumer Law some provisions of the Australian Consumer Law may not apply to you

## INDICATOR LIGHTS FUNCTION



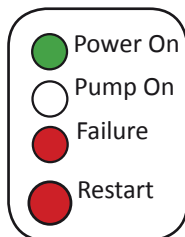
### OPERATING

The single operating steps of the system are displayed by indicator lights on a small panel at the front of the control box. Two of these will light up when the pressure controller is connected to the electrical power supply: Power On (green) and Pump on (Yellow) indicating that the circuit is powered up and the pump is operating. The pump will continue to operate for some time, so that pressure can be established in the system.



### STAND BY MODE

At this point, the pump will be shut off and switched to the standby condition (green light on) ready to respond to the various monitoring and control signals generated by the system. Whenever a tap or a valve is opened at any point of use, the pump will be activated with a few seconds by the pressure controller and continues to run as long as the relative outlet remains open, or until the pressure builds back up. When the outlet is closed, the pump will continue to operate to build back up to full pressure then the pressure controller will shut off the pump, and revert to the standby condition.



### ERROR MODE

Any irregular operating conditions, such as a no water (loss of prime or empty rainwater tank) or blocked inlet line etc, is recognised by the pressure controller and indicated by a FAILURE light (red). The pump will shut off immediately. Once the cause of trouble has been removed, you need only press the red RESTART button to restore normal operation. Refer to the trouble shooting for other problems. In the event of a power cut the pressure controller will reset and restart automatically when the power is restored.

**WARNING ! Do not use Pressure Controller with Home Generator power as premature failure will occur. This is not covered by Warranty. Use a Pressure Switch in this situation.**

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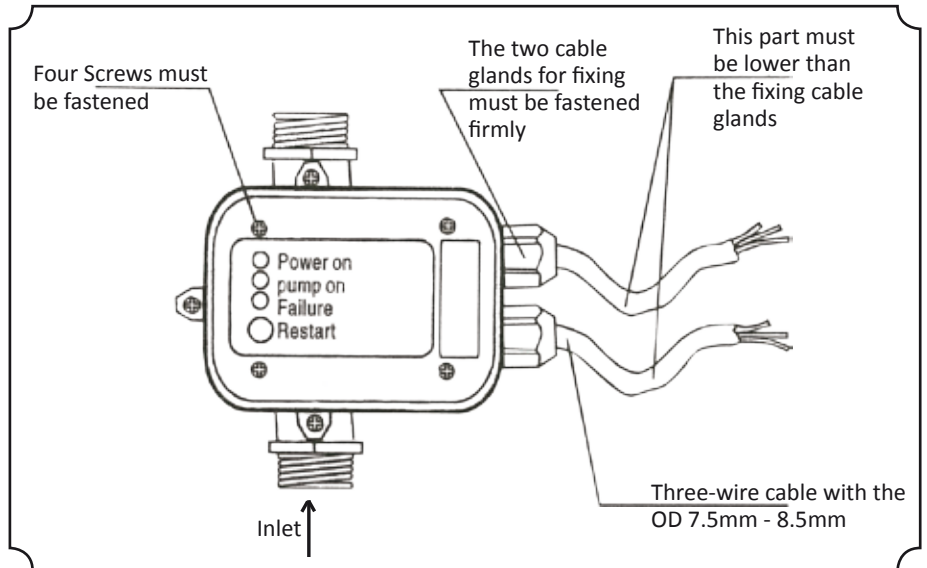
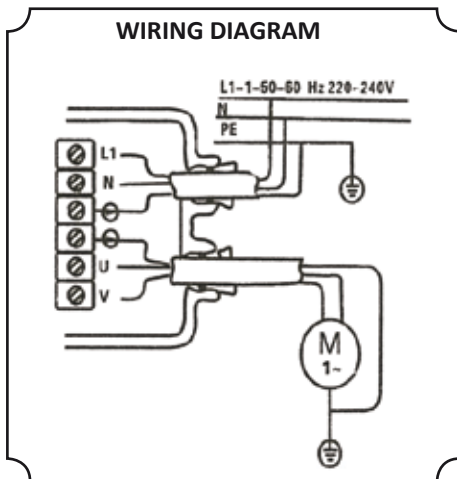
Manufactured in Taiwan for Ramdex Industries, Lytton, QLD, 4178. Phone 1300 726 339

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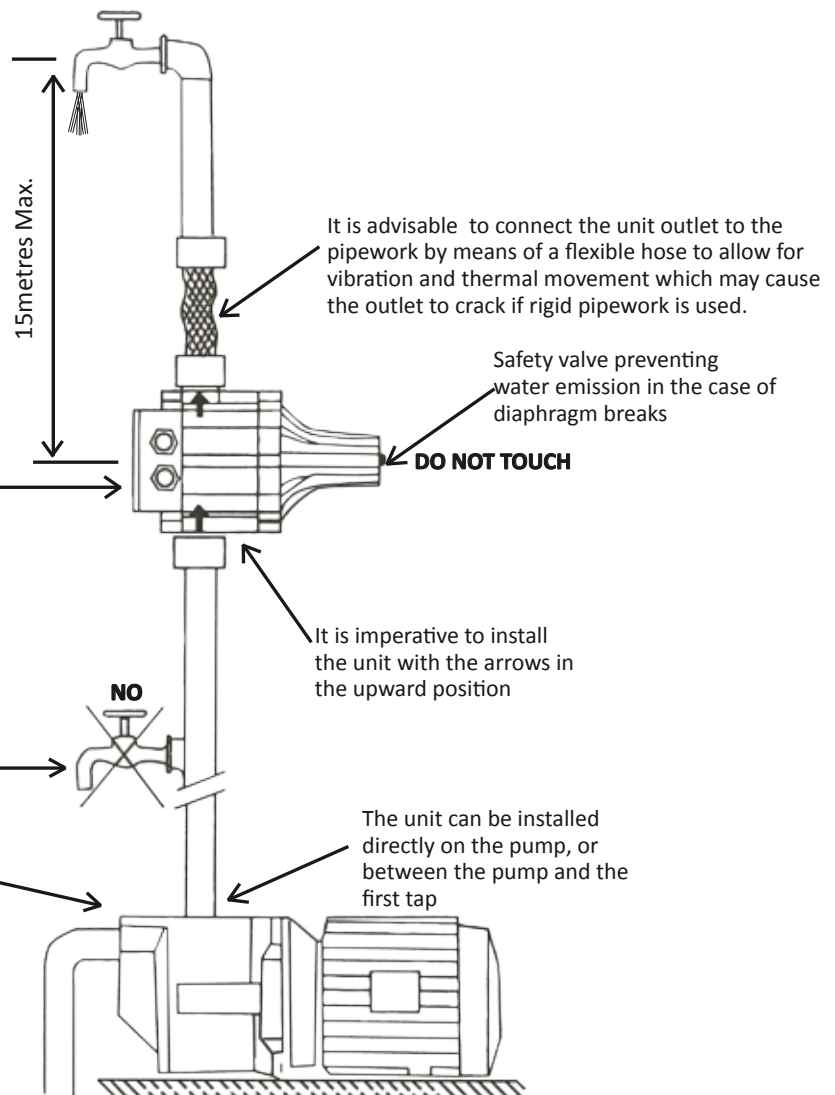
**SAFETY FIRST:** All electrical work must be performed by a Licensed Electrician or a suitably Certified & Trained person in accordance with relevant electricity regulations. A RCD Safety Switch must be included in the electrical circuit. We also recommend that a surge protector be used to protect against electrical surges. Damage caused by electrical surges is not covered by the warranty.

**DO NOT TAMPER WITH OR TAKE THE ELECTRONIC BOARD OUT OF THE CONTROL BOX.**

The wiring diagram shows correct connection. Wrong connection will destroy the whole electronic circuit and it is not covered by warranty. Cable use for connection must be a three-core with earthwire. It must have an outer diameter of 7.5mm min and 8.5mm max. When installed the cable must be lower than the position of the cable glands connected to the power as shown below. This is to allow moisture to drip off safely. The four screws on the panel board and the two cable glands must be firmly fastened to avoid water entering the control box and damaging the electronic circuit.



If the column of water (vertical lift) between the pump and the highest tap exceeds 15 metres the unit cannot be installed directly on the pump. It has to be raised until the column of water between the unit and the highest tap does not exceed 15m  
 ie. If column of water is 20m in vertical height from the pump, then the unit must be placed 5m higher than the pump



The unit is equipped with a check valve to prevent the pipeline from losing pressure

It is advisable to connect the unit outlet to the pipework by means of a flexible hose to allow for vibration and thermal movement which may cause the outlet to crack if rigid pipework is used.

Safety valve preventing water emission in the case of diaphragm breaks

**DO NOT TOUCH**

It is imperative to install the unit with the arrows in the upward position

No taps can be installed between the pump and the controller unit

The unit can be installed directly on the pump, or between the pump and the first tap

**PUMP PRESSURE**

The Unit is pre-set by the manufacturer at a restarting pressure as per specification for each model. The pressure produced by the pump must be normally 0.8 bar higher than the pre-set pressure.

Before starting the unit check suction and ensure that the pump is primed.