

Genérico PC-12

Genérico Automatico Orange Pumps PC-12 Instruction Manual

Model: PC-12

INTRODUCTION

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your Genérico Automatico Orange Pumps PC-12 pressure kit. Please read these instructions thoroughly before use and retain them for future reference. The PC-12 is designed to automate the operation of water pumps up to 16 Amperes, providing consistent water pressure for various applications.

SAFETY INFORMATION

WARNING: Failure to follow these safety instructions may result in electric shock, fire, serious injury, or death.

- Always disconnect power before performing any installation, maintenance, or troubleshooting.
- Ensure all electrical connections are made by a qualified electrician and comply with local codes.
- Do not operate the device if it is damaged or if the electrical cable is frayed.
- This device is designed for use with water pumps. Do not use it for other liquids without consulting the manufacturer.
- Keep children and unauthorized personnel away from the installation area.
- The maximum water temperature for operation is 60°C.

PRODUCT OVERVIEW

The Automatico Orange Pumps PC-12 is a compact individual pressure kit designed to control water pumps. It features a 1-inch NPT male thread connection and includes a reset button. It provides dry-run protection for the pump.

Key Features:

- 1-inch threaded connections.
- Maximum amperage: 16 A.
- Voltage: 127 Volts.
- Dry-run protection.

- IP54 protection rating.
- Non-adjustable start pressure: 22.5 ± 2.5 psi.

Product Image:



Image: The Genérico Automatico Orange Pumps PC-12 pressure kit. This image displays the compact yellow and black unit, highlighting its electrical input and output connections, as well as the 1-inch NPT threaded ports for water flow. The reset button is also visible on the front panel.

SPECIFICATIONS

Specification	Value
Brand	Genérico
Model Number	PC-12
Manufacturer	Orange Pumps
Product Type	Compact Individual Pressure Kit
Voltage	127 Volts
Frequency	60 Hz
Maximum Amperage	16 A
Protection	Dry-run protection

IP Rating	IP54
Inlet/Outlet Connections	1" x 1" NPT Male Thread
Start Pressure	22.5 ± 2.5 psi (Non-adjustable)
Maximum Water Temperature	60°C
Maximum Operating Pressure	145 psi
Weight	1.1 kg (850 Grams)
Material	Plastic
Power Source	Corded Electric

SETUP AND INSTALLATION

- Mounting:** Securely mount the PC-12 unit in a vertical position, ensuring the water flow direction matches the arrows on the device. Choose a location protected from direct sunlight and freezing temperatures.
- Plumbing Connections:** Connect the PC-12 to your water pump's discharge line using the 1-inch NPT male threaded connections. Ensure all connections are watertight using appropriate sealing tape or compound. The unit should be installed between the pump's discharge and the first tap.
- Electrical Connections:** This step must be performed by a qualified electrician.
 - Connect the power supply cable (127 Volts, 60 Hz) to the designated input terminals on the PC-12.
 - Connect the water pump's power cable to the designated output terminals on the PC-12. Ensure the pump's maximum amperage does not exceed 16 A.
 - Verify all connections are secure and properly insulated.
- Priming the Pump:** Before starting, ensure your water pump is properly primed according to its own instruction manual. The PC-12 requires water flow to operate correctly.

OPERATING INSTRUCTIONS

- Initial Start-up:** After completing the installation and ensuring the pump is primed, connect the PC-12 to the main power supply. The unit will automatically detect the water pressure.
- Automatic Operation:** The PC-12 will automatically start the pump when the pressure drops below the preset start pressure (22.5 ± 2.5 psi), typically when a tap is opened. It will stop the pump when the water flow ceases (e.g., when the tap is closed) or if dry-run conditions are detected.
- Reset Button:** In case of a dry-run protection activation or other fault, the pump will stop. To restart, press the "Reset" button located on the unit. Ensure the water supply to the pump is restored before resetting.
- Indicator Lights (if applicable, assume common ones):** Observe any indicator lights on the unit. Typically, a green light indicates power, and a red light might indicate a fault or dry-run condition.

MAINTENANCE

The Genérico Automatico Orange Pumps PC-12 is designed for minimal maintenance. However, regular checks can ensure optimal performance and longevity.

- **Regular Inspection:** Periodically inspect the unit and all connections for any signs of leaks, corrosion, or damage. Ensure electrical cables are intact.
- **Cleaning:** Keep the exterior of the unit clean and free from dust and debris. Do not use harsh chemicals or abrasive cleaners.
- **Winterization (if applicable):** If the unit is installed in an area subject to freezing temperatures, disconnect it and drain all water to prevent damage from ice expansion.
- **No User-Serviceable Parts:** Do not attempt to open or repair the unit yourself. Refer all servicing to qualified personnel.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Pump does not start.	No power supply; Dry-run protection activated; Pump not primed; Faulty wiring.	Check power connection; Press the Reset button after ensuring water supply; Prime the pump; Check electrical connections.
Pump runs continuously.	Leak in the system; Faulty pressure sensor in PC-12; Small continuous flow.	Check for leaks in plumbing; Contact support if sensor is suspected; Ensure all taps are fully closed.
Pump cycles on and off frequently.	Small leak; Air in the system; Insufficient water supply.	Check for small leaks; Bleed air from the system; Ensure adequate water source.
Low water pressure.	Pump issue; Clogged filter; Insufficient water supply.	Check pump performance; Clean any filters in the system; Verify water source.

WARRANTY INFORMATION

The Genérico Automatico Orange Pumps PC-12 comes with a **1-year warranty** from the date of purchase. This warranty covers manufacturing defects under normal use. It does not cover damage caused by improper installation, misuse, neglect, freezing, or unauthorized repairs. Please retain your proof of purchase for warranty claims.

SUPPORT AND CONTACT

For technical assistance, warranty claims, or further information, please contact your retailer or the manufacturer's customer service. Always provide your product model number (PC-12) and proof of purchase when seeking support.
Manufacturer: Orange Pumps
Country of Origin: China

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question