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› [Pedrollo Easy Press-1 Electronic Pressure Controller \(Art.50066/115\) User Manual](#)

Pedrollo Easy Press-1

Pedrollo Easy Press-1 Electronic Pressure Controller User Manual

Model: Art.50066/115

1. INTRODUCTION

The Pedrollo Easy Press-1 is an electronic pressure controller designed for single-phase electric pumps. This device automates the starting and stopping of the pump based on water demand (opening and closing of taps). It incorporates microprocessor logic to protect the pump from dry running, offering both automatic and manual reset functions. Furthermore, it safeguards the electric pump against frequent starts caused by minor leaks in the system. This manual provides essential information for the safe and efficient installation, operation, and maintenance of your Easy Press-1 controller.

2. SAFETY INFORMATION

Please read all safety instructions carefully before installation and operation. Failure to follow these instructions may result in electric shock, fire, serious injury, or property damage.

- **Electrical Safety:** Always disconnect power before performing any electrical connections or maintenance. Ensure all wiring complies with local electrical codes.
- **Professional Installation:** Installation should be performed by qualified personnel only.
- **Water Pressure:** Do not exceed the maximum operating pressure specified for the device.
- **Temperature Limits:** Operate the device only within the specified minimum and maximum operating temperatures.
- **Protection:** The device has an IP65 protection rating, meaning it is protected against dust and low-pressure water jets. However, it should not be submerged.

3. PRODUCT OVERVIEW

The Pedrollo Easy Press-1 is an orange-colored electronic unit with integrated pressure sensors and control logic. It features clear indicators for its operational status.



Figure 1: Pedrollo Electronic Pressure Controller. This image displays the general appearance of a Pedrollo electronic pressure controller, an orange unit with a blue label. The label indicates "EASY PRESS II Electronic", along with indicators for "POWER" and "STATUS", and a "START/STOP" button. Technical markings include "MADE IN ITALY Max 10 bar IP 65 CE PEDROLLO". Please note that while this image shows "EASY PRESS II", the manual refers to the "Easy Press-1" model.

3.1. Components and Indicators

- **Power Indicator:** (Green LED) Illuminates when the device is powered.
- **Status Indicator:** (Red LED) Indicates operational status or fault conditions, such as dry running.
- **Start/Stop Button:** Used for manual pump control and resetting after a dry-run protection event.
- **Inlet/Outlet Connections:** Threaded connections for integration into the water system.

4. TECHNICAL SPECIFICATIONS

Parameter	Value
Model	Easy Press-1 (Art.50066/115)

Parameter	Value
Power Supply Voltage	230 Volt (single-phase)
Frequency	50/60 Hz
Maximum Current	10/16 A
Protection Rating	IP 65
Maximum Operating Pressure	10 bar
Minimum Operating Temperature	0 °C
Maximum Operating Temperature	65 °C
Connections	1-inch male threads
Minimum Intervention Pressure	1.5 bar
Dimensions (L x H x D)	174 x 221 x 174 mm
Weight	4.5 kg
Material	Cast Iron

5. INSTALLATION

Proper installation is crucial for the safe and efficient operation of the Easy Press-1. It is highly recommended that installation be carried out by a qualified technician.

5.1. Mounting Location

- Install the device in a vertical position, ensuring the flow direction arrows on the unit match the water flow.
- Choose a location protected from direct sunlight, frost, and excessive humidity.
- Ensure adequate ventilation around the unit.

5.2. Hydraulic Connections

1. Connect the inlet of the Easy Press-1 to the pump outlet.
2. Connect the outlet of the Easy Press-1 to the water distribution system.
3. Use appropriate sealing materials (e.g., PTFE tape) on the 1-inch male threaded connections to prevent leaks.
4. Ensure all connections are tight but do not overtighten.

5.3. Electrical Connections

1. **WARNING:** Ensure the main power supply is disconnected before making any electrical connections.
2. Connect the main power supply (230V, 50/60Hz) to the designated input terminals of the Easy Press-1.
3. Connect the single-phase electric pump to the designated output terminals of the Easy Press-1.
4. Ensure proper grounding for both the Easy Press-1 and the electric pump.
5. Verify all connections are secure and insulated according to electrical standards.

6. OPERATION

6.1. Initial Start-up

1. After completing all hydraulic and electrical connections, ensure the pump is primed (filled with water) if required by the pump manufacturer.
2. Open a tap in the system to allow water to flow.
3. Restore power to the Easy Press-1. The green POWER indicator should illuminate.
4. The pump will start automatically and run until the system is pressurized and the tap is closed.
5. Close the tap. The pump should stop after a few seconds.

6.2. Normal Operation

The Easy Press-1 operates automatically:

- When a tap is opened, the pressure in the system drops, and the Easy Press-1 starts the pump.
- When the tap is closed, the pressure rises, and the Easy Press-1 stops the pump after a short delay.

6.3. Dry-Run Protection and Automatic Reset

If the pump runs without water (dry running), the Easy Press-1 will detect this condition and stop the pump to prevent damage. The red STATUS indicator will illuminate.

- **Automatic Reset:** The device will attempt to restart the pump periodically (e.g., every 15-30 minutes) to check if water has returned. If water is detected, normal operation resumes.
- **Manual Reset:** To manually reset the device after a dry-run event, press the START/STOP button. Ensure the water supply to the pump has been restored before attempting a manual reset.

7. MAINTENANCE

The Pedrollo Easy Press-1 is designed for minimal maintenance. However, regular checks can ensure its longevity and optimal performance.

- **Visual Inspection:** Periodically inspect the unit for any signs of damage, leaks, or corrosion.
- **Cleanliness:** Keep the exterior of the unit clean and free from dust and debris. Use a soft, damp cloth for cleaning; do not use abrasive cleaners or solvents.
- **Connections:** Check hydraulic and electrical connections periodically to ensure they remain tight and secure.
- **Winterization:** In areas prone to freezing temperatures, ensure the unit and associated piping are drained or protected from frost to prevent damage.

8. TROUBLESHOOTING

This section provides solutions to common issues you might encounter with your Easy Press-1 controller.

Problem	Possible Cause	Solution
Pump does not start when tap is opened.	No power supply. Dry-run protection activated. Faulty wiring.	Check power connection and circuit breaker. Check water supply to pump; press START/STOP button to reset. Verify all electrical connections are secure. Consult a qualified technician.

Problem	Possible Cause	Solution
Pump runs continuously.	Leak in the system. Tap not fully closed. Pressure sensor malfunction.	Inspect plumbing for leaks and repair. Ensure all taps are completely closed. Contact technical support.
Pump starts and stops frequently (short cycling).	Small leak in the system. Check valve issue. Insufficient water supply.	Inspect plumbing for minor leaks and repair. Check the pump's check valve for proper function. Ensure adequate water supply to the pump.
Red STATUS indicator is on.	Dry-run protection activated.	Check water supply to the pump. Once water is restored, press the START/STOP button to manually reset, or wait for automatic reset.

9. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation provided at the time of purchase or contact your authorized Pedrollo dealer. Keep your proof of purchase for warranty claims.

For technical assistance, spare parts, or service, please contact Pedrollo customer support or an authorized service center. Contact details can typically be found on the manufacturer's official website or through your retailer.