

## General Description:

Intelligent Digital Pump Controller Manual  
(up to 1.5 kW 230v).

This intelligent digital pump controller is designed to provide reliable and simple operation for various user needs. It features a pressure sensor that offers fast response, high accuracy, and a digital display of pressure and current readings.

Can be retrofitted onto any single phase pump up to 1.5 kW  
Option of either Press Control Mode or Pressure Switch Mode

## Key Features:

**Plug & Play** – Can be fitted to any brand pump as required

**Energy Efficiency** – Built to save power, operate efficiently, and be environmentally friendly

## Operating Modes:

This controller supports the following two modes:

- **(F1) Press Control Mode** – Optimised for water flow management with adjustable start pressure
- **(F2) Pressure Switch Mode** – Allows you to set start and stop pressures\*

*\*Pressure tank is required for F2 mode sized to suit application*

## Protective Functions:

- **Overload Protection (OL):** Prevents damage from excessive load
- **Dry-Running Protection (UL):** Safeguards the pump when there's no water
- **Overpressure Warnings:** Alerts you when the pressure exceeds safe levels
- **Sensor Malfunction Alerts (PE):** Warns if the pressure sensor is not functioning properly
- **Pipe Water Shortage Protection:** Protects the system in case of insufficient water supply



## Applications:

- **Domestic Water Supply:** Maintains steady water pressure throughout the home.
- **Garden and farm irrigation:** Controls pump function for efficient watering of lawns, crops, or landscaped areas.
- **Tank-to-tank water movement:** Used for shifting water between storage tanks or reservoirs.
- **Cleaning applications:** Suitable for powering systems like vehicle wash bays or equipment rinsing setups.
- **Low-pressure areas:** Boosts water flow in systems where pressure is naturally

## Technical Specifications:

Rated Voltage: 110-220V

Frequency: 50Hz

Maximum Power / Maximum Working Current: 1.5kW / 16(8)A

Maximum Working Pressure: 10 bar

Start Pressure / Stop Pressure Adjustment Range: 0.5-4.5 bar / 1-8 bar

Minimum Start Flow: 1 L/min

Factory Default Start: 1.5 Bar for FJP Series, 2.2 Bar for FMS Series

Water Inlet / Outlet Thread Size: R1" / 25mm

Maximum Operating Temperature: 40°C

IP Rating: IP65

