

Low Pressure Standalone System Controller

This controller is designed for use in low-pressure, stand-alone systems. It provides control and monitoring functions to ensure efficient and reliable operation.



Overview

System Overview

The Low Pressure Standalone System Controller is a comprehensive management solution designed to optimize the operation of water heating and distribution setups. It provides precise monitoring of water temperature and levels, while automating critical tasks like water loading and heating cycles. Built for efficiency and reliability, this controller ensures safe and consistent performance in various low-pressure applications.

Technical Specifications

Dimensions	210 mm x 145 mm x 40 mm
Self Power Consumption	3 W
Temperature Measurement Accuracy	2 °C
Temperature Measurement Range	0 - 99°C

Power Ratings

Max Pump Power

600 W

Controlled Pump

Electrical Heating Wire Power

800 W

Heating Wire

Auxiliary Electrical Booster

2000 W

Standard Booster

3000 W

Optional Booster

Valve Parameters

Compatible Valve Types	DC 12V, AC 220V, Pressurized, Un-pressurized
Pressurized Valve Operation Range	0.02 Mpa - 0.8 Mpa

System Functions

Core Operations

- Time display
- Water temperature display
- Water level display
- Auto mode
- Water level pre-setup
- Manual water loading
- Temperature controlled water loading
- Timing water loading
- Water loading when tank is lack of water
- Compulsive water loading
- Increasing water pressure during loading
- Manual heating
- Timing heating
- Hot water circulation
- Hot water pipe insulation
- Low pressure protection
- Collector tube protection