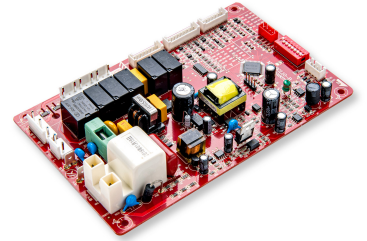


Premix Condensing Boiler Electronic Controller

This is an electronic control board designed for premix condensing boilers. It ensures precise control of boiler functions through multiple relay outputs, sensor inputs, and a microcontroller.



Product Overview

High-Efficiency Boiler Control System

This advanced electronic controller is engineered for premix condensing boilers, providing precise thermal regulation through an adaptive PID algorithm. It features a robust, waterproof shell design and supports versatile ignition and fan configurations for seamless integration. With built-in safety mechanisms including anti-freezing and life protection, it ensures reliable and efficient operation in demanding heating environments.

Technical Specifications

Power Supply Design	Wide voltage switching power supply
Combustion Compatibility	Full Premix, Brushless DC Fan Support

Safety & Protection

Safety Mechanisms

- Anti-freezing protection
- Overheat temperature protection
- Comprehensive life protection
- Sealed waterproof shell

System Compatibility

Ignition Support	Single needle integrated flame sense, Double needle ignition
Sensor Inputs	Compatible with various water flow and water pressure detection sensors

Key Components

Hardware Overview

Component	Specification
Model	MZ-BGL10-B
Fuse Rating	10A 277VAC
Operating Temperature	Up to 105°C