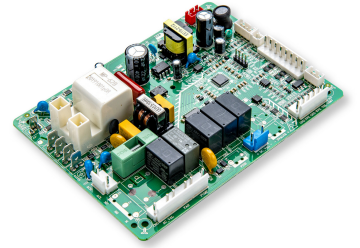


# Combi Boiler Controller Module

This is a controller module for combi boilers. It manages heating and hot water functions by providing control signals for valves, fans, pumps, and safety features within the boiler system.



## Overview

### Advanced Combi Boiler Control

This Combi Boiler Controller Module is engineered for high-performance heating and hot water management. Featuring a wide voltage switching power supply design and atmospheric combustion scheme, it ensures reliable operation across various conditions. The unit integrates advanced safety mechanisms, including anti-freezing and temperature protection, alongside a PID-based thermostatic algorithm for fast, consistent hot water delivery.

## Technical Specifications

### Design & Build

Sealed • Waterproof Shell • Built-in Ignitor

Voltage Compatibility	220V AC and DC
Protection Mechanisms	Multiple Fault Protection, Anti-Freezing, Temperature Protection, Life Protection
Control Algorithms	PID fast thermostatic algorithm

## Compatibility & Integration

### Compatible Sensors

- Water flow detection sensors
- Water pressure detection sensors
- Ion fire detection system

Valve Support	High-pressure gas valves
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## Key Components

### Internal Component Metrics

<b>400 V</b> Capacitor Voltage	<b>22 uF</b> Capacitance	<b>10 A</b> Relay Current Rating
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