



KitchenEssentials™

Water Level Logic Board

**SMART, RELIABLE
WATER LEVEL MONITORING
FOR COMMERCIAL APPLIANCES**

The Water Level Logic Board from Kitchen Brains® is an intelligent, solid-state solution for monitoring and controlling water levels in commercial kitchen appliances. Designed as an intermediate control board, it can function as a standalone unit or integrate seamlessly as a module within OEM control systems. Using conductivity probes to sense water presence, it replaces traditional mechanical float switches, eliminating common failure points caused by mineral buildup or mechanical fatigue. This compact, easy-to-integrate design provides precise and reliable feedback for rethermalizers, combi ovens, holding cabinets, steam tables, and water baths.

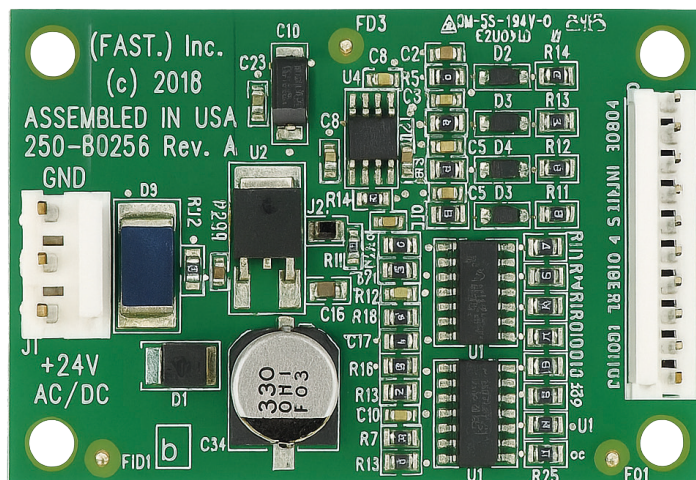
Monitors up to four conductivity probes placed at varying tank heights

AC signal injection minimizes electrode polarization and degradation

Four digital outputs for real-time process controller integration

Solid-state logic differentiates between air and liquid presence

Compact form factor allows for flexible installation as a standalone or OEM module



Power Input: 24V AC or DC operation for broad compatibility

Enhanced sensitivity for low-conductivity (pure water) applications

Resistant to electrical interference and stray EMF noise

Operates in high-humidity environments up to 158°F (70°C), 90% RH (non-condensing)

KitchenBrains®

Commercial Kitchen Intelligence

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Features & Benefits

Eliminate Mechanical Failures

Replaces traditional float switches prone to mineral buildup and corrosion, reducing downtime and maintenance costs.

Enhance Reliability with Solid-State Logic

Accurately detects water level changes using impedance differences, no moving parts, no wear, no drift.

Streamline Integration

Compact design and digital outputs allow seamless incorporation into new or existing OEM control platforms.

Ensure Process Consistency

Supports real-time logic control and feedback, ensuring optimal water levels for consistent cooking and holding performance.

Operates in Tough Conditions

Designed for high-temperature, humid commercial environments where reliability is critical.

Appliance Applications

- Rethermalizers
- Combi Ovens
- Holding Cabinets
- Steam Tables
- Water Baths

Specifications

Mechanical

- Maximum Ambient Temperature: 158°F (70°C)
- Relative Humidity: 90% max. (non-condensing)
- Approximate Weight: 5 oz

Electrical

- Power Input: 24V AC/DC
- Inputs: 4 Conductivity Probe Inputs (AC)
- Outputs: 4 Digital Outputs (for process controller)

