



Mk8 MM Controller

12.1" capacitive multi-touch screen

Touchscreen

# Complete Boiler Management

## Control more with software unlocks

Access codes unlock advanced features without the inconvenience of hardware changes or added modules:

- ✓ Autoflame water level management
- ✓ Analogue water level (requires Autoflame water level)
- ✓ TDS/Top blowdown
- ✓ Bottom blowdown
- ✓ Draught control
- ✓ Direct Modbus connectivity
- ✓ First out annunciation
- ✓ Fully metered, cross-limited control
- ✓ Steam flow & water flow metering

The Mk8 MM Controller is a Micro-Modulating system that offers comprehensive control over industrial and commercial boiler/burners.

- Manage virtually all boiler processes from a single 12.1" multi-touch screen interface without any added modules.
- Ideal for steam and water boilers (watertube or firetube), kilns and steam generators. Designed for oil, natural gas or both fuels.
- Linkageless servomotor system and automated flame safeguard create conditions for unmanned boilerhouse.
- Modbus connectivity allows for remote monitoring and management.

### Standard features

Screen size	12.1"
Capacitive multi-touch screen	✓
Flame safeguard	✓
Air/fuel ratio control	✓
IBS/lead-lag sequencing	✓
Scheduling	✓
Commissioning	✓
VSD management	✓
Reporting/graphing	✓
FGR (Flue Gas Recirculation)	✓

Channels	5 servos 2 VSD
Lockout/error logging	Most recent 128 errors/ lockouts
Number of fuel curves	4
VPS gas valve proving (UL353)	✓
Outside temperature	✓
Login security	✓
Back up commissioning data via IR port	✓

Boiler log entries	1,000
Dual fuel support	✓
Air pressure monitoring & proving (UL 353)	✓
Oil pressure monitoring	✓
Fuel flow metering	✓
Golden start facility	✓
Commissioning points	20
Customizable graphics	✓
Dual IR and/or UV	✓
Multi-language display	✓
Metric or imperial units	✓
UL, CE, AGA approvals	✓
On-board technical manual	✓

### Unlock with software access codes

Autoflame water level management	✓
Analogue water level (requires Autoflame water level)	✓
Steam/heat flow metering	✓
TDS/Top blowdown	✓
Bottom blowdown	✓
Draught control	✓
Fully metered, cross-limited combustion control	✓
Direct Modbus connectivity	✓
First out annunciation	✓

### Enabled with additional modules

Indirect Modbus connectivity	Requires DTI
O2 trim	Requires I/O module
Three parameter (O2, CO2, & CO) trim	Requires EGA
Emissions monitoring & reporting	Requires EGA

Below is a small sample of the screens accessible through the Mk8 MM

