



United Technologies

Combustion Control Specialists

NXM2G

DELIVERING SUSTAINABILITY THROUGH INNOVATION

Fireeye NXM2G Applicable Systems

- Closed loop commercial boilers that use gas, oil, propane and/or LPG for building or process heating
- Single or multiple boiler configurations
- Compatible with existing controls and operations; operates with existing BMS systems
- Dynamic and self adjusting
- Single Stage, Multi-Stage, or Modulating boilers

NX-M2G SPECIFICATIONS

- Supply Voltage: 120V AC / 60Hz
- Rated Current: 50mA
- Relay Switch Cap: 2A at 120V AC (resistive)
- Fuse Rating: 1.6A @ 120V AC
- Dimensions: 6.9" W x 7.9" H x 2.1" D
- Sensors: Plug in Digital T-Sensors (2)
- Sensor Range: 131°F to 257°F
- Weight : 3.6 pounds
- Environment: NEMA 1/IP11
- Min/Max Temp: 32°F to 125°F



Fireeye NXM2G

Intelligent Boiler Load Controller



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CONNECTING YOUR BUSINESS TO THE TECHNOLOGY RESOURCES YOU NEED

HOW M2G WORKS

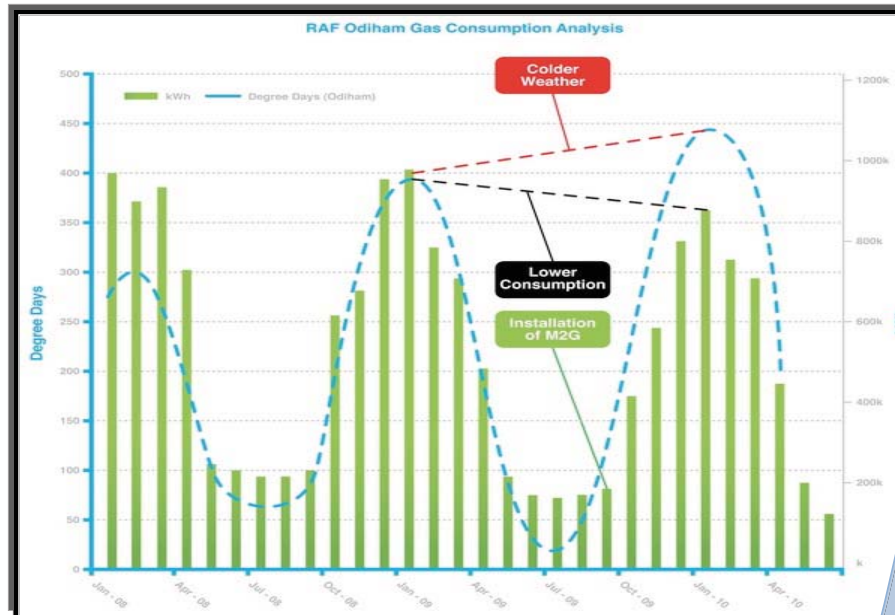
M2G is an intelligent boiler load optimization controller and has been specifically designed to prevent boiler dry cycling by differentiating between a genuine demand for heat from a demand resulting from standby losses from the boilers.

An M2G is fitted to each boiler and constantly measures and analyzes the temperature profile of each boiler in real time via digital sensors fitted to each boiler's supply and return lines. This enables the M2G with the ability to identify and prevent the boiler from standby cycling and more importantly allows the boiler to fire immediately if there is a genuine demand for heat.

If a BMS is in place, the M2G integrates with it, taking its "Stop/Start" signal directly from the BMS. Just as importantly, it recalculates the values every time the boiler reaches its required set point temperature. This allows the system to adapt to BMS variable set-points and does not conflict with other existing controls.

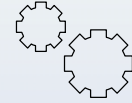
M2G PRODUCT CAPABILITIES

- INTEGRATES WITH EXISTING CONTROLS
- IMPROVES THE ENERGY EFFICIENCY OF EACH BOILER
- REDUCE HEAT COSTS AND CO2 EMISSIONS BY BETWEEN 10% AND 25%
- TYPICAL PAYBACKS ARE BETWEEN 6 MONTHS AND 3 YEARS
- CAN BE RETROFITTED TO EXISTING BOILERS, OR INSTALLED WITH NEW BOILERS
- COMPATIBLE WITH GAS, OIL AND LPG FIRED BOILERS
- REQUIRES NO MAINTENANCE OR SEASONAL CALIBRATION
- BACKED BY 5 YEAR WARRANTY



Reduce Energy Costs

The M2G is specifically designed to reduce energy costs by intelligently controlling boiler cycling. The added controls ultimately reduce standby cycling and thermal losses which contributes to 10-25% reduction in energy costs



Reduce Maintenance

The M2G Intelligent Load Controller reduces boiler cycling. By reducing boiler operating cycles, the boiler stays ON when it turns ON and Stays OFF unless there is true heating demand. Reducing boiler cycling reduces mechanical wear and long term maintenance costs



Return on Investment

The simplicity of the M2G system coupled with the significant savings that can be achieved contributes to the quick Return on Investment (ROI) of the system. Typical payback period ranges from 6 Mo – 3 years depending on energy usage.