BurnerLogiX®
Flame Safeguard Control

YB110 & YB230

Now with valve proving & low gas pressure functionality

Fireye revolutionized burner control over three decades ago with the introduction of the Flame-Monitor™. Since then, our engineers have diligently refined and integrated these improvements into the advanced BurnerLogiX flame safeguard, now recognized as the new industry standard. Adapting to the latest agency certifications and market requirements, Fireye consistently develops burner controls that are not only more reliable, but also safer and more efficient, supporting heat inputs exceeding 2.5 MMBtu.

Moreover, the enhanced BurnerLogiX flame safeguard now incorporates valve proving and low gas pressure functionality. In the past, addressing potential leaks from main fuel valves required expensive long pipe runs. The updated functionality of BurnerLogiX offers a cost-effective alternative to this challenge.

Complemented by the upgraded Gen II chassis and the introduction of two new programmers (YP148 & YP184), distributors, OEMs, and installers can provide customers with a safer and more economical solution. This is particularly crucial in metropolitan areas where meeting stringent safety codes is paramount.

To ensure compliance with local codes, it is essential to install the latest upgrades to this already feature-rich flame safeguard system. Stay current with advancements in technology and safety standards to optimize the performance of the BurnerLogiX flame safeguard.

Flame-Monitor   BurnerLogiX

Features

Available in the YB-series BurnerLogiX

- **NEW!**

   Valve proving and low gas pressure functionality
- Gen II upgraded firmware
- Plug-in programmer modules including two new programmers, YP148 & YP184
- Error codes and lockouts for Evac Fail, Pres fail or LGP fail
- ModBus outputs for same lockout codes
- Readable on any ModBus HMI
- Readable on the available Fireye BLV512 or BLL510 displays
- UL372 agency certified
- Valve proving per NFPA 85 and other codes
- Expanded keypad functions
- Expanded programmer functions
- International approvals (some models)

Now with
VALVE PROVING

BurnerLogiX® Flame Safeguard Control

BurnerLogiX primary safety controls provide full function to basic control for all application needs. BurnerLogiX is a small and compact package filled with big features and huge benefits.

More Features

- Keypad configurable parameters
- Bright vacuum fluorescent display
- NEMA display mounting
- Smart LEDs provide status and lockout codes
- Keypad selectable languages
- Smaller footprint to save space, smaller than Fireye E110
- Din rail mounting
- Terminal block style wiring base
- Fuel valve proof of closure during standby and startup
- Enhanced communications, adjustable baud rates
- 4-20 mA test jack signal
- Additional inputs and outputs

Benefits

- Fewer programmer modules to inventory
- Variable parameters help resolve all applications
- Reduced downtime, pinpoint diagnostics
- Cabinet mounting space reduced by 40% to 50%
- Added safety during idle or off periods
- Easily adapts into most building management systems
- Improved turndown control from Plant Master

Differentiators

Size	Footprint reduced to 28 in^2 to 40 in^2 with terminal block wiring base
Display	LCD: expanded cold temperature to -25°C OLED: increased brightness, operates to -40°C
Expanded Keypad	Forward and reverse keys simplifies parameter selection
Smart LEDs	Provides status and lockout codes
Keypad Configurable Parameters	Reduced inventory
Terminal Block Wiring Base	Allows testing with control installed
Other	4-20 mA test jack signal Proof of closure during standby Able to provide YP138 function Additional inputs Additional output for secondary valve, igniter, etc Adjustable baud rates for modbus communications

For more information, please contact your local Fireye Distributor.

fireye.com

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