BurnerPRO
Flame Safeguard Control

BP110 & BP230

The Fireye BurnerPRO is a compact microprocessor based primary flame safeguard control for single burner commercial heating and process equipment applications.

The BurnerPRO is a compact microprocessor based primary flame safeguard control for single burner applications. The control is designed to provide the proper burner sequencing, ignition and continuous flame monitoring for commercial heating and process equipment firing oil and gas fuels.

BurnerPRO is for use in non-permanent operations that requires burner recycle at least once every 24 hours. The BurnerPRO is applicable for on/off, multistage, or modulating burners used in steam or hot water generating small to medium sized boilers. The seven smart LEDs provide operating status and lockout information in the event of a safety shutdown.

A complete BurnerPRO system includes the BP110/230 chassis equipped with the type of flame amplifier required for the application, appropriate flame detector, wiring base and optional alphanumeric display. The BurnerPRO comes in either (110VAC) or 230VAC (50/60Hz) models for greater flexibility in your application.

60-2981-1

Wiring Base
Open base with terminal block and knockouts w/ grounding finger, 4.2"L x 4.2"W x 1.22"H

BP500

Test Unit for BurnerPRO
Simple convenient means for field testing the Fireye BurnerPRO controls.

Features & Benefits

- **Low cost FSG control.**
- **Easy to install, easy to operate.**
- **110VAC and 230VAC options.**
- **Preprogrammed operational timings necessary for the safe operation of the burner system.**
- **Programmable operational timings option via BurnerPRO Wizard software.**
- **Flame rod and UV scanners compatiable.**
- **Modbus and/or valve proving options.**
- **7 smart LED indicate the status, flame quality and reason for lockout.**
- **Typical applications: Process Burners, Pilot Burners, Duct Burners, Industrial Gas Burners, Refinery Applications, Low NOx Burners, Waste Gas Units and Incinerators.**
- **Fireye BurnerPRO flame safeguard controls are used for commercial heating and process equipment firing oil and gas fuels.**

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Specifications

Supply Voltage:	BP110UV 110 VAC (+20%, -15%) 50/60Hz BP230UV 230 VAC (+10%, -15%) 50/60Hz
Power Consumption:	7 VA
Temperature Rating:	Operating -40°C to +60°C (-40°F to 140°F) Storage -50°C to +85°C (-58°F to 185°F)
Relative Humidity:	90% R.H. (Non-Condensing)
Status Indication:	Multiple LED indication for fan, open/close damper, auto, ignition, flame, alarm and fault codes.
Protection Category:	IP40 (except wiring base)
Dimensions:	4.0" (102mm) L x 4.0" (102mm) W x 4.4" (112mm) H (without base) 4.15" (105mm) L x 4.15" (105mm) W x 5.0" (127mm) H (with base)
Weight:	2.5 lbs (1.13kg)

Flame Detection

UV90L-1   **UV5-1**   **UV1AL-3 or 6**   **Flame Rod**

Compatibility Chart

Part Number	Compatibility	Zero Purge	Modbus	VP
BP230UVFR-S1	LFL1.322	with links	no	no
BP230UVFR-S2	LFL1.333 TMG 740-1/2/3 model 32-32	with links	no	no
BP230UVFR-S3	LFL1.335 TMG 740-1/2/3 model 45-54	with links	no	no
BP230UVFR-S4	LFL1.635	with links	no	no
BP230UVFR-S1M	LFL1.322	with links	read only	no
BP230UVFR-S2M	LFL1.333	with links	read only	no
BP230UVFR-S3M	LFL1.335	with links	read only	no
BP230UVFR-S4M	LFL1.635	with links	read only	no
BP230UVFR-SxM	LFL1.xxx	via modbus or links	read / write	no
BP230UVFR-SxMP	LFL1.xxx	via modbus	read / write	yes

Part Number	Compatibility	Zero Purge	Modbus	VP
BP110UVFR-S1	LFL1.322-110v	with links	no	no
BP110UVFR-S2	LFL1.333-110v	with links	no	no
BP110UVFR-S3	LFL1.335-110v	with links	no	no
BP110UVFR-S4	LFL1.635-110v	with links	no	no
BP110UVFR-S1M	LFL1.322-110v	with links	read only	no
BP110UVFR-S2M	LFL1.333-110v	with links	read only	no
BP110UVFR-S3M	LFL1.335-110v	with links	read only	no
BP110UVFR-S4M	LFL1.635-110v	with links	read only	no
BP110UVFR-SxM	LFL1.xxx-110v	via modbus or links	read / write	no
BP110UVFR-SxMP	LFL1.xxx-110v	via modbus	read / write	yes

For more information, please contact your local Fireye Distributor.

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