

# Quanta-Flame Primary Control 5004-M-110

# 82

The 5004-M-110 flame safeguard is a direct replacement for most E-110 flame safeguard controllers. It is specifically designed to mount into existing 60-1386-2 and 60-1466-2 wiring sub bases.

The 5004-M-110 control includes an integrated program module and flame sensor amplifier. Scanner type, purge, and trial for ignition timing are made via dipperswitches or jumper selections.

## Replaces

The 5004-M-110 mounts directly into an existing 60-1466-2 or 60-1386-2 wiring sub-base. The 5004-M-110 interfaces to the annunciator QA 5004- 85 when additional annunciation is required. Existing flame sensors and scanners can be reused. An auxiliary connector is used for interface with Modbus communication or to provide a remote reset function.

| Amplifiers               | Programmers |
|--------------------------|-------------|
| EUV1-Standard UV         | EP160       |
| E1R1-Infrared            | EP161       |
| E1R2-Infrared            | EP170       |
| E1R3-Infrared            | EPD160      |
| ERT1-Flame Rectification | EPD161      |
|                          | EPD170      |
| Chassis                  | Dust Cover  |
| EB700                    | EC600       |

## Product Certifications:

UL Recognized: File No. E233069

## Specifications:

### Mechanical

Enclosure: 7" H by 5 7/10" W by 2 1/2" D

Shipping Weight: 2 lbs. for all models

Area Classification: NEMA 1

Temperature Range: 0° F to +140° F  
(-40° C to +60° C)

### Electrical

Voltage: 120 VAC 50/60Hz

Power Consumption: 2 VA

Load Ratings (pilot & main): 10 A (1/4 HP inductive)

Total Connected Load: 15 A (1800 VA)

Alarm Contact: 230 VAC, 2 A maximum

## Ordering Information

| Description   | Catalog Number |
|---|----------------|
| FSG Controller w/ Integral Display. Universal UV, IR, UV Self-Check, and Flame Rod Input. DIP switch selectable purge, PTFI time, RS-485 Modbus Communications. | 5004-M-110     |



5004-M-110 Flame Safeguard  
Rear view showing connector pins

Specs found here

