

Flame Safeguard Controller 5004-795

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The **Quanta-Flame 5004-795** is a state-of-the-art flame safeguard controller series designed for on-off single burner process heat applications. It monitors the burner flame and running interlocks to safely shut down the burner in the event of an unsafe operating condition.

- No re-wiring required when replacing an R4795 controller
- Operates with existing UV sensors and flame rods
- Model 5004-795-0-A-0 automatically resets when power is restored after an interruption

**Controller Functions**

The controller sequences the burner through purge, ignition, Pilot Trial for Ignition, Main Trial for Ignition, and “run” modes. It monitors the burner flame and running interlocks to safely shut down the burner in the event of an unsafe operating condition. LEDs are provided for status and diagnostics including: flame Proven, Limits Made, Combustion Air Present, Pilot Gas Valves Energized, Main Gas Valves Energized, Air Switch Fault, Flame Failure, Lockout, and Power.

- Features Include**
- Optional plug-in diagnostic display
  - Microcomputer burner control
  - DIP switch selectable purge time (7, 10, 17, 30, 37, 40, 47, 60, 67, 70, 77, 90, 97, 100, and 107) seconds.
  - Standard relay alarm contact
  - Pilot test mode
  - Selectable Trial for Ignition times (3, 5, 10, or 15) seconds
  - Selectable Interrupted or Intermittent Pilot
  - Selectable Recycle or Non-Recycle modes
  - Every unit interfaces to ultraviolet or flame rod sensors
  - Easy control panel mounting

**Replaces**

The 5004-795 series controllers are a direct replacement for most Honeywell R4795 controls.

**Product Certifications:**  
**UL Recognized:** File No. E233069

**Specifications:**  
**Mechanical**  
Enclosure: 5" H by 5" W by 1 3/4" 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)

Fan Output 15 A (1/3 HP inductive)

Total Connected Load: 15 A (1800 VA)

Alarm Contact: 230 VAC, 2 A maximum

Ordering Information

Description	Catalog Number
UV scanner or flame rod input. Purge and TFI time selectable	5004-795-0000
UV scanner or flame rod input. Purge and TFI time selectable; Automatic Reset (w/ new controller only)	5004-795-0-A-00



5004-795 Flame Safeguard  
Rear view showing connector pins

Specs found here

