Flame Safeguard Controller 5004-890

The **Quanta-Flame 5004-890** is a state-of-the-art flame safeguard controller series designed for on-off single burner process heat applications. The primary difference between these controllers and the 5004-795 series controllers is the 890 series controllers lack blower motor terminals. The 5004-890 series controllers monitor 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 RA890 controller.
- Operates with existing UV sensors and flame rods.
- 5004-890A model resets automatically when power is restored to the controller after an interruption.

Controller Functions

The controller sequences the burner through purge, ignition, pilot, and main flame. It monitors the burner flame and running interlocks to safely shut down the burner in the event of an unsafe operating condition.

Features include:

- Optional plug in diagnostic display
- Microcomputer burner control
- Standard relay alarm contact
- Pilot Test Mode
- Selectable Trial for Ignition times (3, 5, 10, or 15)
- Selectable Interrupted or Intermittent Pilot
- Selectable Recycle or Non-Recycle modes
- Every unit interfaces to ultraviolet or flame rod sensors

Replaces

The 5004-890 controllers are direct replacements for most Honeywell RA890 controls. They operate with the existing Q270 wiring bases, C7027A UV scanners or flame rods.

The 5004-890 replaces the following models of Honeywell controls:

- RA890F-1288
- RA890G-1260
- RA890F-1031
- RA890G-1047
- RA890F-1056
- RA890G-1062
- RA890F-1072

- RA890G-1112
- RA890G-1120
- RA890G-1179
- RA890G-1187
- RA890F-1262
- RA890F-1437
- RA890F-1510

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

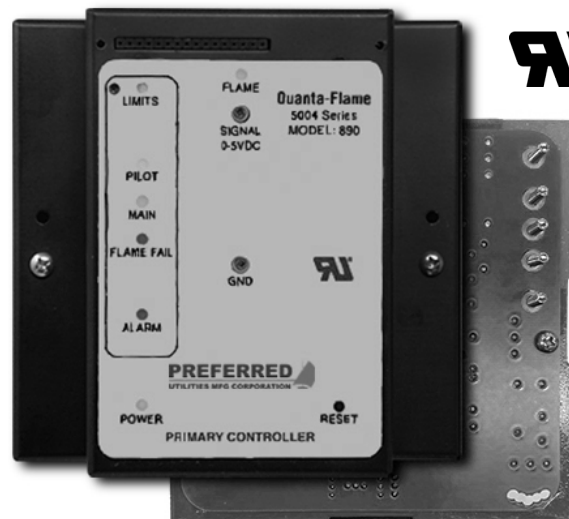|	
Voltage:	120 VAC 50/60Hz
Power Consumption:	2 VA
Load Ratings (pilot & main):	10 A (1/4 HP inductive)
Total Connected Load:	15 A (1800 VA)
Alarm Contact:	230 VAC, 2 A maximum

Ordering Information

Description	Catalog Number
UV scanner or flame rod input. Purge and TFI time selectable	5004-890-0000
UV scanner or flame rod input. Purge and TFI time selectable; Automatic Reset (w/new controller only)	5004-890-0A00

5004-795 Flame Safeguard
Rear view showing connector pins

Specs found here