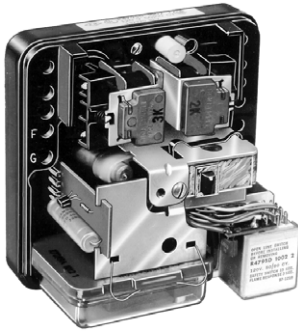


R4795 Primary Controls



Provide solid state, electronic flame safeguard protection for commercial and industrial single or dual fuel burners.

- Use with rectification or ultraviolet type flame detectors depending on the interchangeable, plug-in amplifier being used.
- Recycle once after flame failure in attempt to re-establish pilot before lockout.
- Include manual push-to-reset safety switch in a dust-resistant enclosure.
- Includes spdt alarm contacts.

Dimensions, Approximate: 5 in. high, 5 in. wide, 4 3/4 in. deep, (127 mm high, 127 mm wide, 121 mm deep)

Product Number	Electrical Ratings		Description	Includes
	Power Supply (Vac)	Frequency (Hz)		
R4795A1016	120 Vac	50/60 Hz	120V 50/60 Hz less Amplifier and Prepurge Timer	female quick-connects
R4795A1040	220 Vac	50/60 Hz	220V 50/60 Hz less Amplifier and Prepurge Timer	female quick-connects

Alarm Relay Switching: SPDT

Safety Switch Timing: 15 sec nominal

Connections: Alarm contacts: male quick-connect terminals.

Purging Time: Determined by Plug -in Purge Timer

Temperature Ratings: -20 F to +105 F @50 Hz,
-20 F to +115 F @ 60 Hz
(-29 C to +40 C @ 50 Hz, -29 C to +46 C @ 60 Hz)

Approvals:

Canadian Standards Association: CSA Certified: 120V models only, includes -40 F models-File No. LR1620

Factory Mutual: Approved: Report No. 18774

Industrial Risk Insurers: Acceptable

Underwriters Laboratories, Inc: UL Listed:120V w/ 30, 60, 90 sec prepurge timers, includes -40 F models-File No.MP268, Guide No. MCCZ; UL Comp. Recg.:120V w/ 7, 10 sec prepurge timers, includes -40 F models-File No.MP268, Guide No.MCCZ

Required Components: Mounting Base: Q270A1024;

Plug-in Amplifier: R7289A1004, R7289A1012, R7290A1001, R7290A1019;

Plug-in Purge Timer: ST71A1000 (7 sec), ST71A1042 (10 sec), ST71A1018 (30 sec), ST71A1026 (60 sec), ST71A1034 (90 sec).

Accessories:

123514A Flame Simulator, Rectification Type Flame Amplifiers

123514B Flame Simulator, Simulates C7027, C7035, C7044

R7795 Primary Controls



Provide solid state, electronic flame safeguard protection for commercial and industrial single or dual fuel burners.

- Include flame signal amplifiers that are color-coded: purple for ultraviolet and green for rectification.
- Require a plug-in prepurge timer of 1.5, 7, 10, 30, 60, or 90 seconds.
- mount on a Q795A Wiring subbase with two captive screws.
- Include line voltage airflow switch to prove airflow from the start of prepurge through the run period.
- Prevent start-up with lockout if flame or a flame simulating failure exists.

- Require manual reset after safety switch lockout.
- Field-selectable recycle or lockout on flame failure.

Dimensions, Approximate: 5 in. high, 5 in wide, 5 1/4 in. deep. (127 mm high, 127 mm wide, 133.5 mm deep)

Application: Provides Flameout Protection plus Automatic control of Commercial and Industrial Gas and Oil Burners

Alarm Relay Switching: 120Vac Output for Alarm

Safety Switch Timing: Electronic - 10 seconds, Mechanical - 15 seconds

Connections: Terminals in Q795 Wiring Subbase

Purging Time: Determined by Plug -in Purge Timer

Temperature Ratings: -40 F to +135 F (-40 C to +57 C)

Approvals:

Canadian Standards Association: Certified: File No. LR1620-681

Factory Mutual: Approved: Report No. J.I.OK389.AF

Industrial Risk Insurers: Acceptable

Underwriters Laboratories, Inc: Component Recognized: File No. MP268, Guide No. MCCZ

Required Components: ST795 Prepurge Timer and Q795 Wiring Subbase

Accessories:

123514A Flame Simulator, Rectification Type Flame Amplifiers

123514B Flame Simulator, Simulates C7027, C7035, C7044

Product Number	Flame Failure Response Time	Electrical Ratings		Description
		Power Supply (Vac)	Frequency (Hz)	
R7795A1001	3 sec nominal	120 Vac	50/60 Hz	Full Function Primary Safety Control, Intermittent Pilot, Ultraviolet
R7795B1009	3 sec nominal	120 Vac	50/60 Hz	Full Function Primary Safety Control, Intermittent Pilot, Rectification
R7795C1007	3 sec nominal	120 Vac	50/60 Hz	Full Function Primary Safety Control, Interrupted Pilot, Ultraviolet
R7795D1005	3 sec nominal	120 Vac	50/60 Hz	Full Function Primary Safety Control, Interrupted Pilot, Rectification