

Electromechanical Burner Controls

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.

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

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

Electrical Connections: Terminals in Q795 Wiring Subbase

Frequency: 50 Hz; 60 Hz

Temperature Range: -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

Product Number	Voltage	Flame Failure Response Time (sec)	Alarm Relay Switching	Purging Time	Safety Switch Timing	Description
R7795A1001	120 Vac	3 sec nominal	120Vac Output for Alarm	Determined by Plug-in Purge Timer	Electronic - 10 seconds, Mechanical - 15 seconds	Full Function Primary Safety Control, Intermittent Pilot, Ultraviolet
R7795B1009	120 Vac	3 sec nominal	120Vac Output for Alarm	Determined by Plug-in Purge Timer	Electronic - 10 seconds, Mechanical - 15 seconds	Full Function Primary Safety Control, Intermittent Pilot, Rectification
R7795C1007	120 Vac	3 sec nominal	120Vac Output for Alarm	Determined by Plug-in Purge Timer	Electronic - 10 seconds, Mechanical - 15 seconds	Full Function Primary Safety Control, Interrupted Pilot, Ultraviolet
R7795D1005	120 Vac	3 sec nominal	120Vac Output for Alarm	Determined by Plug-in Purge Timer	Electronic - 10 seconds, Mechanical - 15 seconds	Full Function Primary Safety Control, Interrupted Pilot, Rectification