

## RM7896 On-Off Primary Control with Pre- and Post-Purge



Microprocessor-based integrated full-function primary burner control for automatically fired gas, oil, or combination fuel single burner applications. Provides level of safety, functional capability and features beyond conventional controls.

### Dimension Diagrams

See diagram on page 696

**PostPurge:** 15 sec

**Ambient Temperature Rating:** -40 F to 140 F (-40 C to 60 C)

**PrePurge:** Determined by ST7800 Purge Timer Card

**Vibration:** 0.5 G environment

**Weight (lb):** 1 lb 15 oz (0.9kg)

### Approvals:

**Canadian Standards Association:** Certified, File No. LR95329-3.

**Factory Mutual:** Approved: Report No. J.I.OX4A5.AF.

- Functions include automatic burner sequencing, flame supervision, system status indication, system or self-diagnostics and troubleshooting.
- Subbase, amplifier and purge card are required for operation.
- Options include PC interface, keyboard display module, DATA CONTROLBUS™ MODULE, remote display module, first-out expanded annunciator, and COMBUSTION SYSTEM MANAGER™ software.
- 15 second postpurge.
- Five LEDs provide sequence information.
- Interchangeable plug-in flame amplifiers.
- Local or remote annunciation of operation and fault information.
- Nonvolatile memory retains history files and sequencing status after power loss.
- Optional remote reset capability.
- Optional report generation.
- Selectable recycle or lockout on loss of airflow or flame.
- Shutter drive output.
- Airflow switch check.
- Delayed main valve.

**FCC Emissions:** FCC Part 15, Class B, Emissions.

**Industrial Risk Insurers:** IRI Acceptable.

**Underwriters Laboratories, Inc:** Listed: File No. MP268, Guide No. MCCZ.

**Required Components:** Q7800A,B Universal Wiring Subbases. R7847, R7848, R7849, R7851, R7861, or R7886 Flame Signal Amplifier. ST7800 Plug-in Purge Timer Card.

Product Number	AirFlow Check	Electrical Ratings, Power Supply (Vac)	Electrical Ratings, Power Supply (Hz)	Flame Establishing Period		Delayed Main Valve	Interlocks	Pilot Type	Comments
				Main	Pilot				
RM7896A1012	—	120 Vac (+10/-15%)	50/60 Hz (±10%)	—	4 sec or 10 sec	No	selectable	intermittent	Includes Pre- and Post -Purge.
RM7896B1011	Dynamic	120 Vac (+10/-15%)	50/60 Hz (±10%)	—	4 sec or 10 sec	No	selectable	intermittent	Includes Pre- and Post -Purge.
RM7896C1010	—	120 Vac (+10/-15%)	50/60 Hz (±10%)	10 sec	4 sec or 10 sec	Yes	selectable	interrupted	Includes Pre- and Post -Purge.
RM7896D1019	Dynamic	120 Vac (+10/-15%)	50/60 Hz (±10%)	10 sec	4 sec or 10 sec	Yes	selectable	interrupted	Includes Pre- and Post -Purge.
RM7896D1027	Dynamic	120 Vac (+10/-15%)	50/60 Hz (±10%)	10 sec	4 sec or 10 sec	Yes	selectable	interrupted	Includes Pre- and Post -Purge.