

# 7800 SERIES Relay Modules

## EC7895A,C; RM7895 On-Off Primary Control with Prepurge



Microprocessor-based integrated 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

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

**Electrical Ratings, Power Supply (Hz):** 50/60 Hz (±10%)

**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.1V9AO.AF.

- Functions include automatic burner sequencing, flame supervision, system status indication, system or self-diagnostics and troubleshooting.
- Subbase, amplifier, and prepurge timer 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.
- Five LEDs provide sequence information.
- Interchangeable plug-in flame amplifiers.
- Optional 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 relight or lockout on loss of flame.
- Airflow switch check.

**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)	Flame Establishing Period		Delayed Main Valve	Interlocks	Pilot Type	Comments
			Main	Pilot				
EC7895A1010	No	220-240 Vac (+10/-15%)	—	4 sec or 10 sec	No	selectable	intermittent	—
EC7895C1000	No	220-240 Vac (+10/-15%)	10 sec	4 sec or 10 sec	Yes	selectable	interrupted	—
RM7895A1014	—	120 Vac (+10/-15%)	—	4 sec or 10 sec	No	selectable	intermittent	—
RM7895A1048	—	120 Vac (+10/-15%)	—	4 sec or 10 sec	No	selectable	intermittent	Includes ignition cut-out during PFEP
RM7895B1013	Dynamic	120 Vac (+10/-15%)	—	4 sec to 10 sec	No	selectable	intermittent	—
RM7895C1012	—	120 Vac (+10/-15%)	10 sec	4 sec or 10 sec	Yes	selectable	interrupted	—
RM7895C1020	—	120 Vac (+10/-15%)	10 sec	10 sec	Yes	selectable	interrupted	Includes ignition cut-out during PFEP
RM7895D1011	Dynamic	120 Vac (+10/-15%)	10 sec	4 sec or 10 sec	Yes	selectable	interrupted	—
RM7895E1002	—	120 Vac (+10/-15%)	—	15 sec or 30 sec	Yes	selectable	intermittent	Higher Flame Sensor Voltage for Infra Red Heater Applications
RM7895F1001	Dynamic	120 Vac (+10/-15%)	10 sec	15 sec or 30 sec	Yes	selectable	interrupted	Higher Flame Sensor Voltage for Infra Red Heater Applications