

7800 SERIES Relay Modules

RM7888 PLC Adaptable Primary Control



Microprocessor-based integrated burner control for industrial process semi-automatically fired gas, oil, coal, or combination fuels for single and multiple 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)

Vibration: 0.5 G environment

Weight (lb): 1 lb 10 oz (0.7kg)

Approvals:

Canadian Standards Association: Certified

- Functions include automatic burner startup sequencing, five user select-able run sequences, four line-voltage sequence control inputs, flame supervision, system status indication, system or self-diagnostics and troubleshooting.
- Requires a relay module, subbase, and amplifier for operation.
- Options include PC interface, keyboard display module, DATA CONTROLBUS™ MODULE, remote display mounting, first-out expanded annunciator, and COMBUSTION SYSTEM MANAGER™ software.
- Use with master system control which determines purge timing and confirms air supply and air flow.
- Nonvolatile memory retains history files and sequencing status after power loss.
- Optional remote reset capability.
- Five LEDs provide sequence information.
- Interchangeable plug-in flame amplifiers.
- Local or remote annunciation of operation and fault information.

Factory Mutual: Approved.

Required Components: Q7800A,B Universal Wiring Subbases. R7847, R7848, R7849, R7851, R7861, or R7886 Flame Signal Amplifier.

Product Number	Electrical Ratings, Power Supply (Vac)	Electrical Ratings, Power Supply (Hz)	Flame Establishing Period		Pilot Type	Comments	Description
			Main	Pilot			
RM7888A1019	120 Vac (+10/-15%)	50/60 Hz (±10%)	15 sec	4 sec or 10 sec	selectable	Selectable sequences	Primary Control, Semi-Automatic
RM7888A1027	120 Vac (+10/-15%)	50/60 Hz (±10%)	15 sec	4 sec or 10 sec	selectable	For 10 sec DSI applications, selectable sequences	Primary Control, Semi-Automatic