

# 7800 SERIES Relay Modules

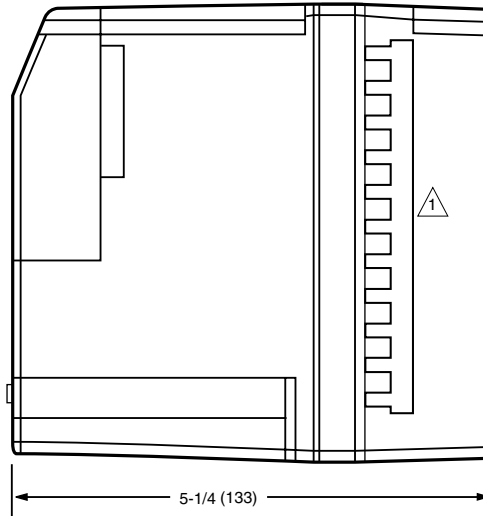
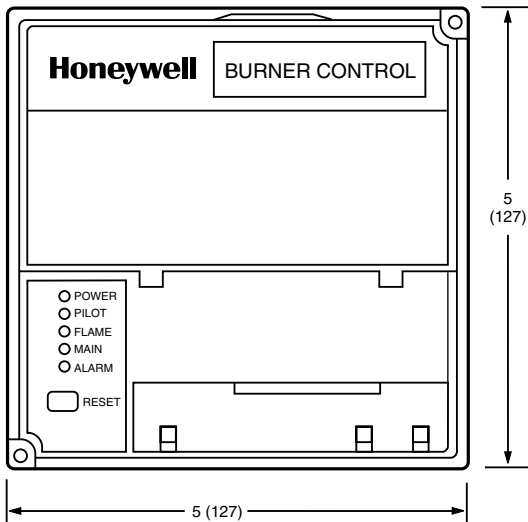
## RM7840 Programmers



**Microprocessor-based integrated burner control for automatically fired gas, oil, coal or combination fuel single burner applications. Provides safety, functional capability and features beyond conventional controls.**

- Functions include automatic burner sequencing, flame supervision, system status indication, system or self-diagnostics and troubleshooting.
- Access for external electrical voltage checks.
- Application flexibility and communication interface capability.
- Five LEDs provide sequence information.
- Five function Run/Test Switch.
- Interchangeable plug-in flame amplifiers.
- Local or remote annunciation of RM7840 operation and fault information.
- Non-volatile memory retains history files and lockout status after loss of power.
- Compatible with existing Honeywell flame detectors.

### Dimension Diagrams



⚠ REMOVE ONLY FOR TERMINAL TEST ACCESS.

M5003A

**Early Spark Termination:** Yes, 5 sec

**Preignition:** Yes

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

**PostPurge:** 15 sec

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

**Vibration:** 0.5 G environment

**Weight (lb):** 1 lb 13 oz (0.8kg)

**Approvals:**

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

**Control Safety Devices:** Acceptable: CSD-1.

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

**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		Interlocks	Pilot Type	Second Stage Pilot Valve	Comments
				Main	Pilot				
RM7840E1016	selectable	120 Vac (+10/-15%)	50/60 Hz (±10%)	10 sec or 15 sec	4 sec or 10 sec	Lockout	interrupted	interrupted	LHL-LF/HF Proven, Energy Saving Purge
RM7840G1014	selectable	120 Vac (+10/-15%)	50/60 Hz (±10%)	10 sec, 15 sec, 30 sec or Intermittent	4 sec or 10 sec	Running	interrupted	selectable	LHL-LF Proven
RM7840L1018	selectable	120 Vac (+10/-15%)	50/60 Hz (±10%)	10 sec or 15 sec	4 sec or 10 sec	Lockout	interrupted	interrupted	LHL-LF/HF Proven
RM7840L1026	selectable	120 Vac (+10/-15%)	50/60 Hz (±10%)	10 sec, or 15 sec, or Intermittent	4 sec or 10 sec	Lockout	interrupted	Intermittent	LHL-LF/HF Proven
RM7840M1017	selectable	120 Vac (+10/-15%)	50/60 Hz (±10%)	10 sec or Intermittent	4 sec or 10 sec	Running	interrupted	Intermittent	On/Off LF Proven