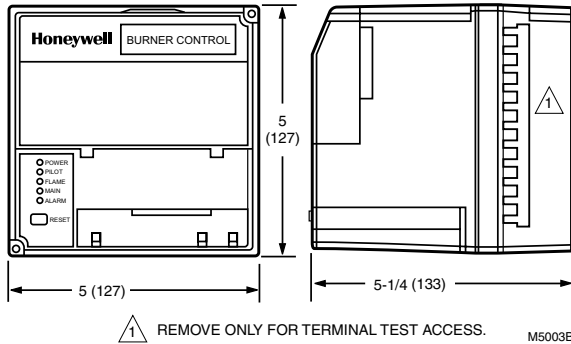


Microprocessor Burner Controls

RM7840 Programmers



Dimensions in inches (millimeters)



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.
- Nonvolatile memory retains history files and lockout status after loss of power.
- Compatible with existing Honeywell flame detectors.

Application: Programming Control

Preignition: Yes

PrePurge: Determined by ST7800A Purge Timer Card

PostPurge: 15 sec

Early Spark Termination: Yes, 5 sec

Required Components: Q7800A, B Universal Wiring Subbases. R7847, R7848, R7849, R7851, R7852, R7861, or R7886 Flame Signal Amplifier. ST7800A Plug-in Purge Timer Card.

Voltage: 120 Vac (+10, -15%)

Frequency: 50 Hz; 60 Hz ($\pm 10\%$)

AirFlow Check: User selectable

Pilot Type: interrupted

Vibration: 0.5 G environment

Shipping and Storage Temperature Range: -40°F to +140°F (-40°C to +60°C)

Approximate Dimensions: 5 in. wide x 5 in. high x 5 1/4 in. deep with Q7800A Subbase x 6 3/32 in. deep with Q7800B Subbase (127 mm wide x 127 mm high x 133 mm deep with Q7800A Subbase x 155 mm deep with Q7800B Subbase)

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

Approvals, Underwriters Laboratories Inc.: Component Recognized, File No. MP268; Guide No. MCCZ.

Approvals, CSA: Certified, File No. LR95329-3.

Approvals, Control Safety Devices: Acceptable: CSD-1

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

Approvals, Swiss RE: Acceptable

Approvals, Factory Mutual: Report No. OX4A5.AF.



Commercial/Industrial
Combustion Controls

Material Number	Interlocks	Second Stage Pilot Valve	Flame Establishing Period - Main	Flame Establishing Period - Pilot	Comments
RM7840E1016/U	Lockout	Interrupted	10 sec or 15 sec	4 sec or 10 sec	LHL-LF & HF Proven
RM7840G1014/U	Running	selectable	10 sec, or 15 sec, or 30 sec, or Intermittent	4 sec or 10 sec	LHL-LF Proven
RM7840L1018/U	Lockout	Interrupted	10 sec or 15 sec	4 sec or 10 sec	LHL-LF & HF Proven
RM7840L1026/U	Lockout	Intermittent	10 sec or Intermittent	4 sec or 10 sec	LHL-LF & HF Proven
RM7840M1017/U	Running	Intermittent	10 sec or Intermittent	4 sec or 10 sec	On/Off-LF Proven