

Microprocessor Burner Controls

RM7800 Programmers with VPS



Integrated burner control for gas, oil, coal or combination fuel single burner uses. With Valve Proving Feature. RM7800L comes standard with S7800A1142 Keyboard Display.

- Functions include automatic burner sequencing, flame supervision, system status indication, system or self-diagnostics and trouble shooting.
- Access for external electrical voltage checks.
- Application flexibility and communication interface capability.
- Five LEDs provide sequence information. Power LED blinks fault code on Lockout.
- Five function Run/Test Switch.
- Interchangeable plug-in flame amplifiers.
- Local or remote annunciation of operation and fault information (optional).
- Nonvolatile memory retains history files and lockout status after loss of power.
- Compatible with existing Honeywell flame detectors.
- RM7800 comes with S7800A1142 Keyboard Display Module.
- Keyboard required to setup Valve Proving Feature and change post purge time.

Application: Programming Control w/VPS

Preignition: Yes

PrePurge: Determined by ST7800A Purge Timer Card

PostPurge: programmed with S7800A1142 display

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.

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

AirFlow Check: User selectable

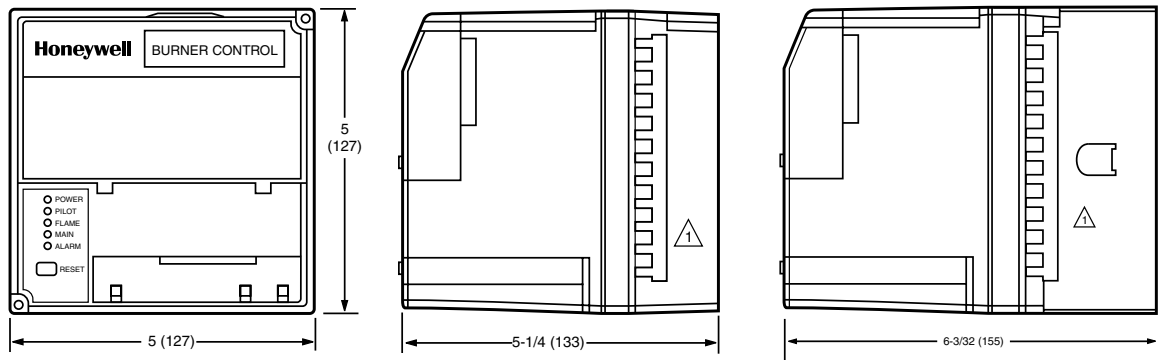
Pilot Type: interrupted

Vibration: 0.5 G environment

Shipping and Storage Temperature Range: -40°F to $+140^{\circ}\text{F}$ (-40°C to $+60^{\circ}\text{C}$)

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)

Dimensions in inches (millimeters)



REMOVE ONLY FOR TERMINAL TEST ACCESS.

MODULE WITH SUBBASE

M15518B

Material Number	Voltage	Flame Establishing Period - Main	Flame Establishing Period - Pilot	Second Stage Pilot Valve	Interlocks	Comments
RM7800L1087/U	120 Vac (+10, -15%)	10 sec or 15 sec	4 sec or 10 sec	Interrupted	Lockout	Includes S7800A1142 Display, LHL-LF & HF Proven

Commercial/Industrial
Combustion Controls