

Microprocessor Burner Controls

RM7800 Programmers

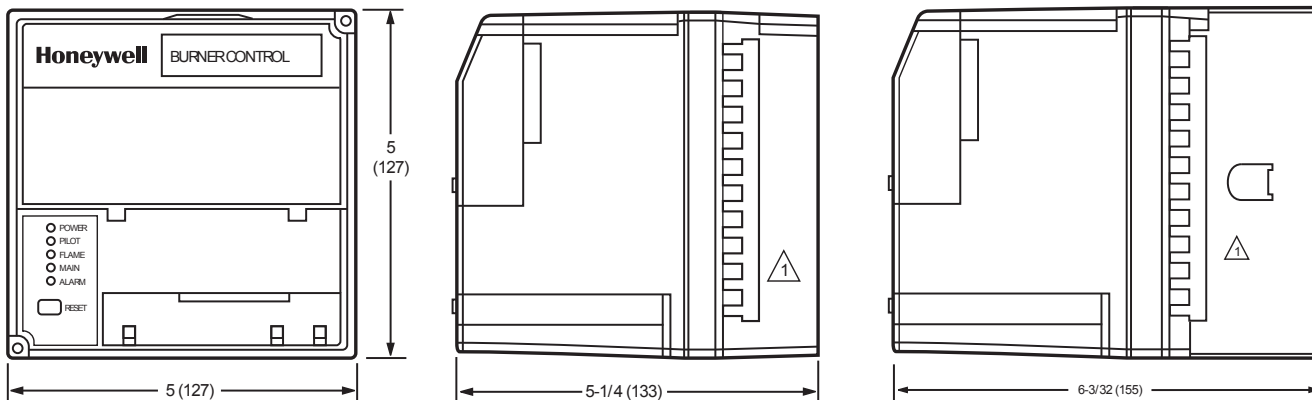


Microprocessor-based integrated burner control for automatically fired gas, oil, coal or combination fuel single burner applications.

Provides safety, functional capability and features beyond conventional controls.

- Functions include automatic burner sequencing, flame supervision, system status indication, system or self-diagnostics and trouble shooting
- Access for external electrical voltage checks
- Application flexibility and communication interface capability through Modbus™
- Five LEDs provide sequence information
- 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
- Includes Keyboard Display Module
- SIL3 Capable in a properly designed Safety Instrumental System when using amplifiers R7847B,C; R7849B; R7851B,C; R7852B; R7861A and R7886 with their appropriate flame detectors

Dimensions in inches (millimeters)



REMOVE ONLY FOR TERMINAL TEST ACCESS.

MODULE WITH SUBBASE

M15518A

Application: Programming Control
Ambient Temperature Range: -40 F to +140 F (-40 C to +60 C)
Vibration: 0.5 G environment
Frequency: 50 Hz; 60 Hz (±10%)
Pilot Type: interrupted
Early Spark Termination: Yes, 5 sec
Preignition: Yes
PrePurge: Determined by ST7800A Purge Timer Card
PostPurge: 15 sec
AirFlow Check: User selectable
Weight: 1 lb 10 oz (0.7 kg)

Approvals
Canadian Standards Association: Certified, File No. LR95329-3.
Federal Communications Commission: FCC Part 15, Class A, Emissions.
Factory Mutual: Report No. 1V9AO.AF.
Swiss RE (formerly IRI): Acceptable
Underwriters Laboratories, Inc: Component Recognized, File No. MP268; Guide No. MCCZ.
Required Components: Q7800A,B Universal Wiring Subbases. R7847, R7849, R7851, R7852, R7861, or R7886 Flame Signal Amplifier. ST7800A Plug-in Purge Timer Card.



Product Number	Voltage	Flame Establishing Period		Second Stage Pilot Valve	Interlocks	Comments
		Main	Pilot			
RM7800E1010/U	120 Vac (+10, -15%)	10 sec or 15 sec	4 sec or 10 sec	Interrupted	Lockout	Includes S7800 Display, LHL-LF&HF Proven
RM7800G1018/U	120 Vac (+10, -15%)	10 sec, or 15 sec, or 30 sec, or Intermittent	4 sec or 10 sec	selectable	Running	Includes S7800 Display, LHL-LF Proven
RM7800L1012/U	120 Vac (+10, -15%)	10 sec or 15 sec	4 sec or 10 sec	Interrupted	Lockout	Includes S7800 Display, LHL-LF&HF Proven
RM7800L1053/U	120 Vac (+10, -15%)	10 sec or Intermittent	4 sec or 10 sec	Intermittent	Lockout	Includes S7800 Display, LHL-LF&HF Proven
RM7800M1011/U	120 Vac (+10, -15%)	10 sec or Intermittent	4 sec or 10 sec	Intermittent	Running	Includes S7800 Display, On/Off-LF proven

Commercial/Industrial
Combustion Controls