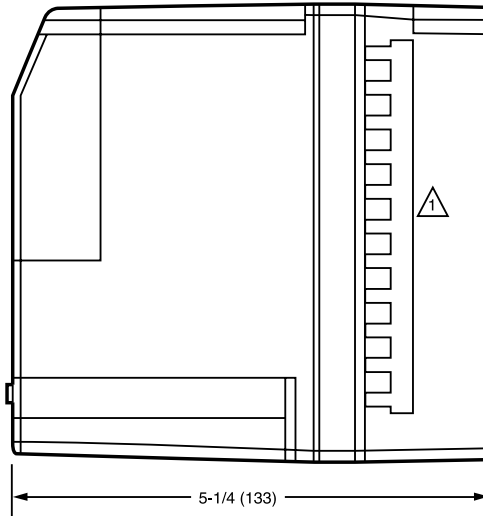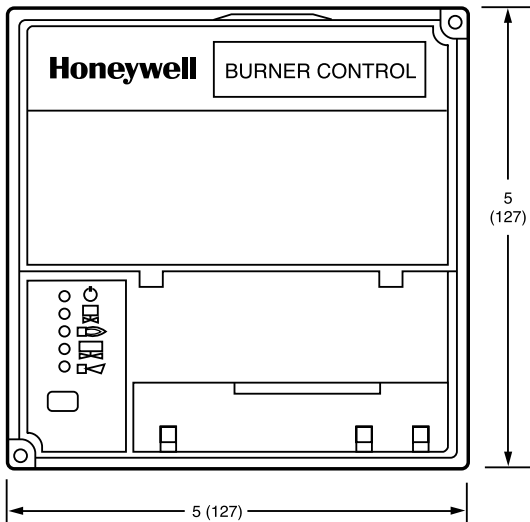# RM7824 On-Off Primary Control

24 Vdc microprocessor-based integrated burner control for automatically fired gas, oil or combination fuel single burner applications. Provides level of safety, functional capability and features beyond the capacity of conventional controls.

- For use with R7824C Amplifier with C7024E,F Flame Detectors and R7848A,B with C7015A Flame Detectors.
- Functions include automatic burner sequencing, flame supervision, system status indication, system or self-diagnostics and troubleshooting.
- Five LEDs provide sequence information.
- Selectable recycle or lockout on loss of flame airflow.
- Shutter drive output for use with dynamic self-check Flame detectors.
- Access for external electrical voltage checks.
- Plug-in flame amplifier.
- Nonvolatile memory retains history files and lockout status after loss of power.

Dimension Diagrams

$\triangle{1}$ REMOVE ONLY FOR TERMINAL TEST ACCESS.

M5872

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.
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. R7824 or R7848 Flame Signal Amplifier.

Product Number	Electrical Ratings, Power Supply (Vac)	Flame Establishing Period		Pilot Type	Description
		Main	**Pilot**		
RM7824A1006	24 Vdc, +7%/-8%. Load:500 VA Max.	Intermittent	4 sec or 10 sec	intermittent	Primary Control, 24 Vdc