

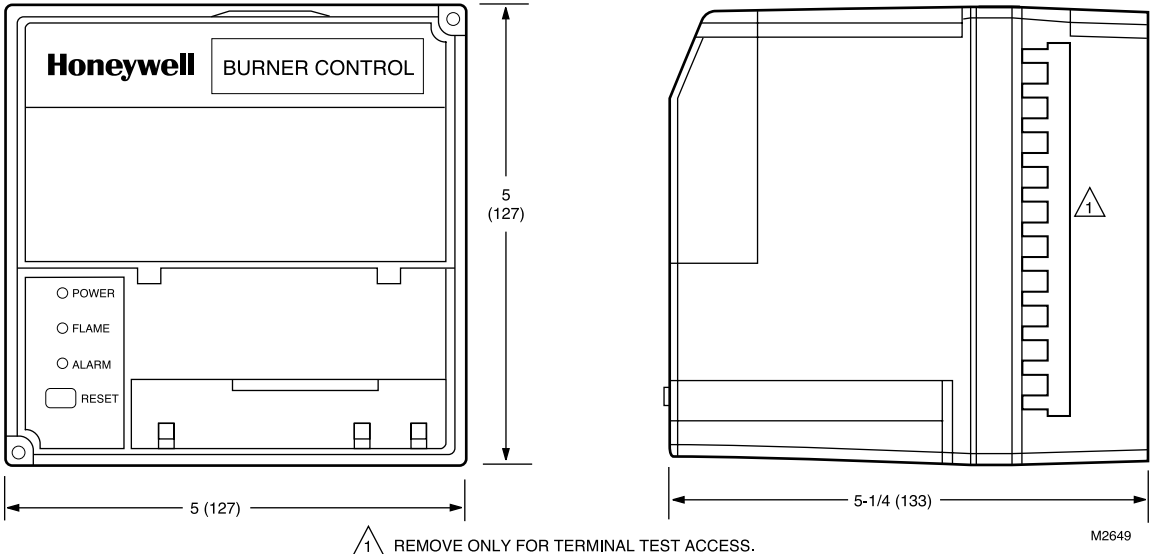
EC7823; RM7823 Flame Switch



Microprocessor-based integrated flame switch for detecting a flame using rectification, ultraviolet (UV) or infrared (IR) source. Provides level of safety, functional capability and features beyond conventional controls.

- Can be fitted with any 7800 Series Amplifier to provide relay action from two single pole, double throw (spdt) relays when flame is present or not present.
- RM7823A is a flame detector relay only. Suitable primary control must be used to provide safe-start check, safety lockout, load switching and other functions required in flame safeguard systems.
- Three LEDs to indicate power, flame and alarm.
- Access for external electrical voltage checks.
- Non-volatile memory.
- Shutter drive output.
- Compatible with existing Honeywell flame detectors.

Dimension Diagrams



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:
Factory Mutual: Approved: Report No. J.I.OY0A9.AF.

Industrial Risk Insurers: IRI Acceptable.
Required Components: Q7800A,B Universal Wiring Subbases. R7847, R7848, R7849, R7851, R7861, or R7886 Flame Signal Amplifier.

Product Number	Electrical Ratings, Power Supply (Vac)	Electrical Ratings, Power Supply (Hz)	Comments	Description
EC7823A1004	220-240 Vac (+10/-15%)	50/60 Hz (±10%)	two SPDT outputs	Flame Switch
RM7823A1016	120 Vac (+10/-15%)	50/60 Hz (±10%)	two SPDT outputs	Flame Switch