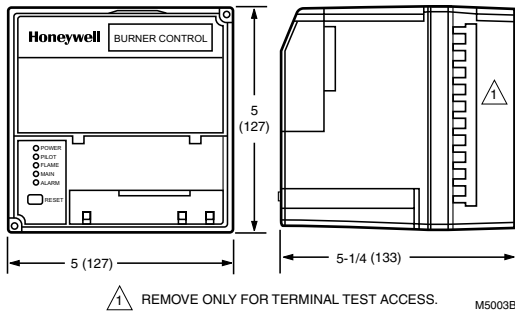


# Microprocessor Burner Controls

## RM7845 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

**Interlocks:** Lockout

**Preignition:** Yes

**PrePurge:** Determined by ST7800A Purge Timer Card

**PostPurge:** 15 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)

**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

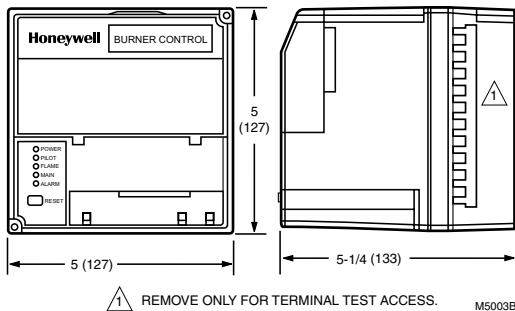
**Approvals, Factory Mutual:** Report No. 1V9AO.AF

Material Number	Flame Establishing Period - Main	Flame Establishing Period - Pilot	Comments
RM7845A1001/U	10 sec	4 sec or 10 sec	LHL-LF & HF Proven

## RM7885; EC7885 Manual Start Industrial Primary Control



Dimensions in inches (millimeters)



**Microprocessor-based integrated burner control for industrial semi-automatically fired gas, oil, coal, or combination fuel single burner applications. Provides level of safety, functional capability and features beyond conventional controls.**

- Functions include flame supervision, system status indication, system or self-diagnostics and troubleshooting.
- Adaptable to continuous firing, high-low or modulating firing rate for semi-automatic burner sequencing.
- Operates with the following: Torch-ignited main burner or torch-ignited pilot using S445A Start-Stop Station, or conventional knee or foot operated station.
- Direct-ignition oil burner or electrically ignited pilot, using S445A Start-Stop Station.
- Five LEDs provide sequence information.
- Nonvolatile memory.
- Flame signal check during standby.
- Shutter drive output.
- Compatible with existing Honeywell flame detectors.
- Terminal provided for external alarm to sound on flame failure.

**Application:** Semi Automatic Primary Control

**Required Components:** Q7800A, B Universal Wiring Subbases. R7847, R7848, R7849, R7851, R7852, R7861, or R7886 Flame Signal Amplifier.

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

**Pilot Type:** intermittent

**Vibration:** 0.5 G environment

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

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

**Approvals, Swiss RE:** Acceptable

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

Material Number	Voltage	Flame Establishing Period - Main	Flame Establishing Period - Pilot
RM7885A1015/U	120 Vac (+10, -15%)	Intermittent	15 min

Commercial/Industrial  
Combustion Controls