

Microprocessor Burner Controls

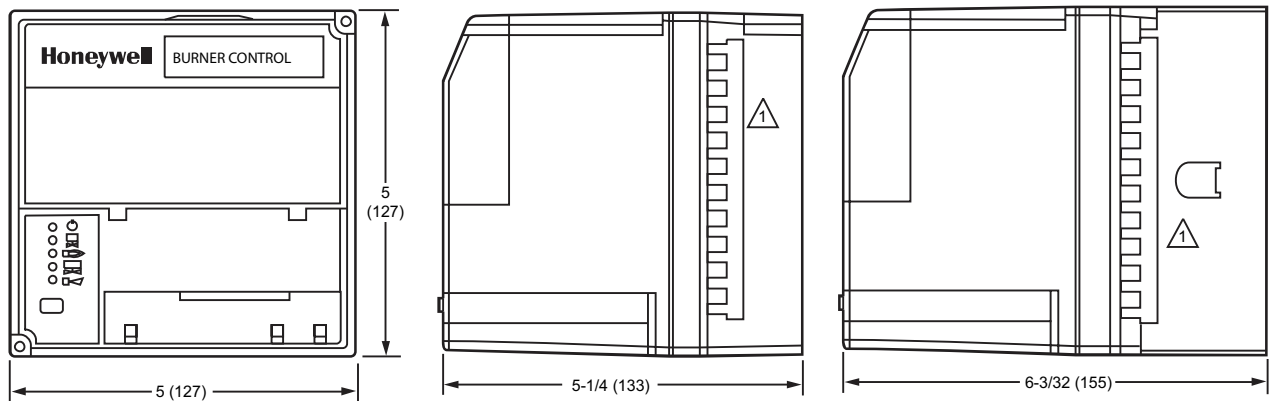
EC7830; EC7850; RM7830; RM7850 Programming Control meeting European Community Timings



Microprocessor-based integrated burner control for full modulation applications. Provides 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 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.

Dimensions Diagram



REMOVE ONLY FOR TERMINAL TEST ACCESS.

M15532A

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 ($\pm 10\%$)
Pilot Type: interrupted
Early Spark Termination: Yes, 5 sec
Preignition: Yes
PrePurge: Determined by ST7800A Purge Timer Card
Interlocks: Lockout

AirFlow Check: selectable
Second Stage Pilot Valve: Intermittent
Weight: 1 lb 10 oz (0.7 kg)
Approvals:
Factory Mutual: Report No. J.I.1V9AO.AF.
Industrial Risk Insurers: IRI Acceptable
Required Components: Q7800A,B Universal Wiring Subbases. R7847, R7848, R7849, R7851, R7861, or R7886 Flame Signal Amplifier. ST7800 Plug-in Purge Timer Card.

Product Number	Voltage	Flame Establishing Period		PostPurge	Comments	Gastec/European
		Main	Pilot			
EC7830A1033	220 - 240 Vac (+10, -15%)	3 sec or 5 sec or intermittent	3 sec or 5 sec	2 sec	On/Off Power Burner	GASTEC: CE-63AP3070/1, Approved to EN298.
EC7830A1041	220 - 240 Vac (+10, -15%)	3 sec or 5 sec or intermittent	3 sec or 5 sec	30 sec	On/Off Power Burner	GASTEC: CE-63AP3070/1, Approved to EN298.
EC7830A1066	220 - 240 Vac (+10, -15%)	3 sec or 5 sec or intermittent	3 sec or 5 sec	15 sec	On/Off Power Burner	GASTEC: CE-63AP3070/1, Approved to EN298.
EC7850A1064	220 - 240 Vac (+10, -15%)	3 sec or 5 sec or intermittent	3 sec or 5 sec	30 sec, dynamic damper check	LHL-LF&HF Proven	GASTEC: CE-63AP3070/1, Approved to EN298.
EC7850A1072	220 - 240 Vac (+10, -15%)	3 sec or 5 sec or intermittent	3 sec or 5 sec	2 sec	LHL-LF&HF Proven	GASTEC: CE-63AP3070/1, Approved to EN298.
EC7850A1080	220 - 240 Vac (+10, -15%)	3 sec or 5 sec or intermittent	3 sec or 5 sec	30 sec	LHL-LF&HF Proven	GASTEC: CE-63AP3070/1, Approved to EN298.
EC7850A1122	220 - 240 Vac (+10, -15%)	3 sec or 5 sec or intermittent	3 sec or 5 sec	15 sec	LHL-LF&HF Proven	GASTEC: CE-63AP3070/1, Approved to EN298.
RM7830A1003	120 Vac (+10, -15%)	3 sec or 5 sec or intermittent	3 sec or 5 sec	2 sec	—	—
RM7830A1011	120 Vac (+10, -15%)	3 sec or 5 sec or intermittent	3 sec or 5 sec	15 sec	—	—