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RM7840L1018/U

Programmer Ctrl. LHL-LF&HF Proven Purge

Overview

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.

Features

- 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.

Product Specifications

Application	Programming Control
Dimensions (in.)	5 in. wide x 5 in. high x 5 1/4 in. deep with Q7800A Subbase x 6 3/32 in. deep with Q7800B Subbase
Dimensions (mm)	127 mm wide x 127 mm high x 133 mm deep with Q7800A Subbase x 155 mm deep with Q7800B Subbase
Weight (lb)	1 lb 13 oz
Weight (kg)	0.8 kg
Comments	LHL-LF&HF Proven
Frequency	50 Hz; 60 Hz (±10%)
Approvals, Underwriters Laboratories Inc.	Component Recognized, File No. MP268; Guide No. MCCZ.
Approvals, CSA	Certified, File No. LR95329-3.
Voltage	120 Vac (+10, -15%)
Shipping and Storage Temperature Range (F)	-40 F to +140 F
Shipping and Storage Temperature Range (C)	-40 C to +60 C
Approvals, Federal Communications Commission	FCC Part 15, Class B, Emissions.

Flame Establishing Period - Pilot	4 sec or 10 sec
Flame Establishing Period - Main	10 sec or 15 sec
Interlocks	Lockout
Preignition	Yes
PrePurge	Determined by ST7800A Purge Timer Card
PostPurge	15 sec
Early Spark Termination	Yes, 5 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.
AirFlow Check	User selectable
Second Stage Pilot Valve	Interrupted
Pilot Type	interrupted
Vibration	0.5 G environment
Approvals, Control Safety Devices	Acceptable: CSD-1
Approvals, Swiss RE	Acceptable
Approvals, Factory Mutual	Report No. OX4A5.AF.