RM7840 Programmers with VPS

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. With Valve Proving Feature. S7800A1142

Application: Programming Control w/VPS
Dimensions, Approximate: 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 (127 mm wide x 127 mm high x 133 mm deep with Q7800A Subbase x 155 mm deep with Q7800B Subbase)
Ambient Temperature Range: -40 F to +140 F (-40 C to +60 C)
Vibration: 0.5 G environment
Frequency: 50 Hz; 60 Hz (±10%)
Pilot Type: interrupted
Early Spark Termination: Yes, 5 sec
Preignition: Yes
PrePurge: Determined by ST7800A Purge Timer Card
PostPurge: programmed with S7800A1142 display
AirFlow Check: User selectable
Second Stage Pilot Valve: selectable

Keyboard Display required to program VPS and change postpurge required to program VPS and change postpurge.
- Functions include automatic burner sequencing, flame supervision, system status indication, system or self-diagnostics and trouble shooting
- Access for external electrical voltage checks
- Application flexibility and communication interface capability through Modbus™
- Five LEDs provide sequence information
- Power LED blinks fault code on Lockout
- Five function Run/Test Switch
- Interchangeable plug-in flame amplifiers
- Local or remote annunciation of operation and fault information using the S7800 Keyboard Display (optional)
- Nonvolatile memory retains history files and lockout status after loss of power
- Compat ble with existing Honeywell flame detectors
- S7800A1142 Keyboard required to setup Valve Proving Feature and change post purge time
- SIL3 Capable in a properly designed Safety Instrumental System when using amplifiers R7847B,C; R7849B; R7851B,C; R7852B; R7861A and R7886 with their appropriate flame detectors

Weight: 1 lb 10 oz (0.7 kg)
Approvals
Federal Communications Commission: FCC Part 15, Class A, Emissions
Factory Mutual: See table
Underwriters Laboratories, Inc: See table
Required Components: Q7800A,B Universal Wiring Subbases. R7847, R7849, R7851, R7852, R7861, or R7886 Flame Signal Amplifier. ST7800A Plug-in Purge Timer Card.

| Product Number | Voltage | Flame Establishing Period | | Interlocks | Comments | Factory Mutual | Underwriters Laboratories, Inc |
		Main	Pilot				
EC7840L1014/U	220 to 240 Vac (+10, -15%)	10 sec or 15 sec	4 sec or 10 sec	Lockout	Requires S7800A1142 Display, LHL-LF&HF Proven	—	—
RM7840G1022/U	120 Vac (+10, -15%)	10 sec, or 15 sec, or 30 sec, or Intermittent	4 sec or 10 sec	Running	Requires S7800A1142 Display, LHL-LF Proven	Report No. 1V9AO.AF	Component Recognized, File No. MP268; Guide No. MCCZ
RM7840L1075/U	120 Vac (+10, -15%)	10 sec or 15 sec	4 sec or 10 sec	Lockout	Requires S7800A1142 Display, LHL-LF&HF Proven	Report No. 1V9AO.AF	Component Recognized, File No. MP268; Guide No. MCCZ

Honeywell 767