

Honeywell Programmer Control Cross Reference

CROSS REFERENCE

Honeywell has provided proprietary and/or “labelled” controls to certain Original Equipment Manufacturers (OEM) at their request. Proprietary controls are available only from the OEM, while “labelled” controls can, in some instances, be purchased directly from Honeywell. Where a control is available only from the OEM, we have placed a footnote in the “Replacement Control” column. Refer questions about a particular OEM control to the particular OEM (see list below):

Cleaver Brooks Div.
Aqua—Chem Inc.
ATTN: Parts Manager
P.O. Box 421
Milwaukee, WI 53201
414-577-2710

Lennox Industries Inc.
Lennox Parts Center
P.O. Box 7658
4251 121st Street
Urbandale, IA 50322
515-251-4440

Gordon-Piatt Energy Group
Parts Manager
C Street and Warehouse Road
Winfield, KS 67156
316-221-4470

Ray Burner Co.
Engineering & Sales Dept.
401 Parr Boulevard
Richmond, CA 94801
610-236-4272

Vapor Power International
661 S. County Line Road
Franklin Park, IL 60131
630-694-5500



CROSS REFERENCE DATA

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Table 1. HONEYWELL R4181 PROGRAMMER CROSS REFERENCE

| Device to be Replaced | 7800 Series Replacement ¹ | Prepurge | | | | | Interlocks | | | | | | MFEF | Spark Term | Postpurge | Modulation | Voltage | Frequency | Comments | | | |
|-----------------------|--------------------------------------|----------|----------------|--------|---------|---------|------------|---------|---------|-------------|---------|---------|------|------------|-----------|------------|-------------------|-----------|----------|------|------------|------------|
| | | Timing | Lo-Fire On-Off | Type | | | Start | Running | Lockout | Preignition | Hi-fire | Lo-fire | | | | | | | | PFEP | INTR Pilot | INTM Pilot |
| | | | | LHL | LHL PRV | OP Damp | | | | | | | | | | | | | | | | |
| R4181A1000 | RM7840G1014 | 40 | | LF PRV | | | X | X | | | X | 10 | X | | 15 | 4-wire | 120 208 240 | 60 | | | | |
| R4181A1018 | RM7840L1018 | 60 | | | X | X | X | | X | | 10 | | | | 15 | 4-wire | 120 208 240 | 60 | | | | |
| R4181A1026 | RM7840G1014 | 40 | | LF PRV | | X | X | | | X | 10 | | | X | 15, 30 | 4-wire | 120 208 240 | 60 | | | | |
| R4181A1034 | RM7840L1018 | 60 | | | X | X | X | | X | | 10 | | | X | 10, 15 | 4-wire | 120 208 240 | 60 | | | | |
| R4181A1042 | RM7840L1018 | 60 | | | X | | | X | X | | 10 | | | X | 10, 15 X | 4-wire | 120 | 60 | | | | |
| R4181A1059 | RM7840L1018 | 55 | | | X | | | X | X | | 7 | | | X | 10, 30 X | 4-wire | 120 | 60 | | | | |

¹ See Conversion Wiring Diagram in Modernization Wiring Information section.

Table 2. HONEYWELL R4127 PROGRAMMER CROSS REFERENCE

| Device to be Replaced | 7800 Series Replacement 1 2 3 4 5 7 8 9 10 11 12 13 14 | Prepurge | | | | Interlocks | | | | | | INTR Pilot | MFEF | Spark Term | Postpurge | Modulation | Voltage | Frequency | Comments | | | | |
|-----------------------|--|----------|----------------|------|---------|------------|-------|---------|---------|-------------|---------|------------|------|------------|-----------|------------|---------|-----------|----------|-------------------|------|-------------------------------|---------------------|
| | | Timing | Lo-Fire On-Off | Type | | | Start | Running | Lockout | Preignition | Hi-fire | | | | | | | | | Lo-fire | PFEP | INTM Pilot | |
| | | | | LHL | LHL PRV | Op Damp | | | | | | | | | | | | | | | | | |
| R4127A1007 | RM7840G1014 or RM7840L1018 | 30 | X | | | X | | | | | | | | | | | 15 | 15 | 3-wire | 120 208 240 | 60 | With R7253A | |
| R4127A1015 | RM7840G1014 or RM7840L1018 | 30 | X | | | X | | | | | | | | | | | | | | 120 208 240 | 60 | With Q535 and R7253A | |
| R4127A1023 | RM7840G1014 or RM7840L1018 | 30 | X | | | X | | | | | | | | | | | | | | 120 208 240 | 60 | With Q536 and R7253A | |
| R4127A1031 | RM7840G1014 or RM7840L1018 | 30 | X | | | X | | | | | | | | | | | | | | 120 208 240 | 60 | With Q535 | |
| R4127A1049 | RM7840G1014 or RM7840L1018 | 30 | X | | | X | | | | | | | | | | | | | | 120 208 240 | 60 | With Q536 | |
| R4127A1056 | RM7840G1014 or RM7840L1018 | 30 | X | | | X | | | | | | | | | | | | | | 120 208 240 | 60 | | |
| R4127A1064 | RM7840G1014 or RM7840L1018 | 30 | X | | | X | | | | | | | | | | | | | | 120 208 240 | 60 | | |
| R4127A1072 | None | 30 | X | | | X | | | | | | | | | | | | | | 120 208 240 | 50 | With Q535 international model | |
| R4127A1080 | RM7840G1014 or RM7840L1018 | 30 | X | | | X | | | | | | | | | | | | | | 120 208 240 | 60 | Produced in Canada | |
| R4127A1098 | RM7840G1014 or RM7840L1018 | 30 | X | | | X | | | | | | | | | | | | | | 120 208 240 | 60 | | |
| R4127A1106 | None | | | | | | | | | | | | | | | | | | | | | | International model |
| R4127A1114 | None | | | | | | | | | | | | | | | | | | | | | | |

See footnotes on page 6.

Table 2. HONEYWELL R4127 PROGRAMMER CROSS REFERENCE (Continued)

| Device to be Replaced | 7800 Series Replacement 1 2 3 4 5 7 8 9 10 11 12 13 14 | Prepurge | | | | Interlocks | | | | | INTR Pilot | MFEP | Spark Term | Postpurge | Modulation | Voltage | Frequency | Comments | | |
|-----------------------|--|----------|----------------|------|---------|------------|---------|---------|-------------|---------|------------|------|------------|-----------|------------|---------|-----------|----------|---------|--|
| | | Timing | Lo-Fire On-Off | Type | | | Running | Lockout | Preignition | Hi-Fire | | | | | | | | | Lo-Fire | |
| | | | | LHL | LHL PRV | Op Damp | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| R4127A1122 | RM7840G1014 or RM7840L1018 | 30 | X | | | | X | | | | | | | | | | | | | |
| R4127A1130 | RM7840G1014 or RM7840L1018 | 90 | X | | | | X | | | | | | | | | | | | | |
| R4127A1148 | RM7840G1014 or RM7840L1018 | 90 | X | | | | X | | | | | | | | | | | | | |
| R4127A1155 | RM7840G1014 or RM7840L1018 | 60 | | X | | | X | | | | | | | | | | | | | |
| R4127A1163 | None | 30 | X | | | | X | | | | | | | | | | | | | |
| R4127A1171 | RM7840G1014 or RM7840L1018 | 60 | | X | | | X | | | | | | | | | | | | | |
| R4127A1189 | RM7840G1014 or RM7840L1018 | 30 | X | | | | X | | | | | | | | | | | | | |
| R4127A1197 | RM7840G1014 or RM7840L1018 | 60 | | X | | | X | | | | | | | | | | | | | |
| R4127B1005 | RM7840G1014 or RM7840L1018 | 30 | X | | | | X | | | | | | | | | | | | | |
| R4127B1013 | RM7840G1014 or RM7840L1018 | 30 | X | | | | X | | | | | | | | | | | | | |
| R4127B1021 | RM7840G1014 or RM7840L1018 | 30 | X | | | | X | | | | | | | | | | | | | |

See footnotes on page 6.

Table 2. HONEYWELL R4127 PROGRAMMER CROSS REFERENCE (Continued)

| Device to be Replaced | 7800 Series Replacement 1 2 3 4 5 7 8 9 10 11 12 13 14 | Prepurge | | | | | Interlocks | | | | | PFEF | INTR Pilot | MFEP | Spark Term | Postpurge | Modulation | Voltage | Frequency | Comments | |
|-----------------------|--|-------------|----------------|------|---------|---------|------------|---------|---------|-------------|---------|------|------------|------|------------|-----------|------------|---------|-----------|-----------------------------------|---------|
| | | Timing | Lo-Fire On-Off | Type | | | Start | Running | Lockout | Preignition | Hi-fire | | | | | | | | | | Lo-fire |
| | | | | LHL | LHL PRV | Op Damp | | | | | | | | | | | | | | | |
| R4127B1039 | or | RM7840G1014 | 30 | X | | | | | X | X | | | | | | 15 | 3- wife | 120 | 60 | Ray Burner RC2A with R7254A, Q536 | |
| R4127B1047 | or | RM7840L1018 | 30 | X | | | | | X | X | | | | | | 15 | 3- wife | 120 | 60 | Ray Burner RC2B with R7254A, Q535 | |
| R4127B1054 | or | RM7840G1014 | 30 | X | | | | | X | X | | | | | | 15 | 3- wife | 120 | 60 | Ray Burner | |
| R4127C1003 | or | RM7840L1018 | 30 | X | | | | | X | X | | | | | | 15 | 3- wife | 120 | 60 | Ray Burner with R7255A | |
| FOOTNOTES: | | | | | | | | | | | | | | | | | | | | | |

1 Refer to conversion wiring diagrams in Modernization Wiring Information section.
 2 RM7840G meets current UL requirements.
 3 RM7840L meets current insurance requirements.
 4 See series ST7800A Plug-in Timers for prepurge timings available.
 5 R4127A,B,C Start Interlocks become RM7840 Preignition Interlocks.
 6 No longer available.
 7 Replacement controls are 120 Vac, 50/60 Hz.
 8 RM7840G1014 MFEP is 10, 15, or 30 seconds.
 9 RM7840L1018 MFEP is 10 or 15 seconds.
 10 RM7840G1014 and RM7840L1018 PFEF is 4 or 10 seconds.
 11 Select proper flame amplifier.
 12 Use with existing Honeywell Flame Detectors.
 13 With selectable air-flow switch check (AFSC).
 14 With selectable air-flow switch check (AFSC).
 15 Requires Q7800A or Q7800B Subbase.

Table 3. HONEYWELL BC7000 PROGRAMMER REPLACEMENT CROSS REFERENCE

| Device to be Replaced | Replacement | | | Prepurge | | Interlocks | | | | | | INTR Pilot | MFEF | Spark Term | Postpurge | Modulation | Voltage | Frequency | Comments | |
|-----------------------|-------------------|--|----------------------------|-----------------|--------|-------------------------|-------|---------|---------|-------------|---------|------------|------|------------------|-----------|------------|---------|-----------|----------|--|
| | Used With | Direct 1 3 4 5 | 7800 Series 1 2 3 4 5 6 | Purge Timer | Timing | Type | Start | Running | Lockout | Preignition | Hi-fire | | | | | | | | | Lo-fire |
| PM720G1197 | BC7000L1042 | Consult Original Equipment Manufacturer | | | 40 | LHL, LF Proven | | | X | X | X | X | 10 | X | 10, 15 | 15 | 4-wire | 120 | 60 | Proprietary to York-Shiple, LWCO annunciation on terminal 18" |
| PM720G1205 | BC7000L1042 | Consult Original Equipment Manufacturer | | | 40 | LHL, LF Proven | | | X | X | X | X | 10 | X | 10, 15 | 15 | 4-wire | 120 | 60 | Proprietary to York-Shiple, LWCO annunciation on terminal 18 |
| PM720G2005 | BC7000L1000 | R7140G2008 | RM7800G1018 | ST7800A 1047 | 40 | LHL, LF Proven | X | | | | | 10 | X | 10, 15, 30 | X | 15 | 4-wire | 120 | 60 | |
| PM720G2013 | BC7000L1000 | R7140G2008 | RM7800G1018 | ST7800A 1047 | 40 | LHL, LF Proven | X | | | | | 10 | X | 10* | X | 15 | 4-wire | 120 | 60 | 10 sec MFEF or intermittent pilot |
| PM720G2021 | BC7000L1000 | Consult Original Equipment Manufacturer | | | 60 | LHL, LF Proven | X | | | | | 7 | X | 13* | X | 30 | 4-wire | 120 | 60 | 13 sec MFEF or intermittent pilot proprietary to Lennox |
| PM720G2039 | BC7000L1000 | R7140G2008 | RM7800G1018 | ST7800A 1047 | 40 | LHL, LF Proven | X | | | | | 10 | X | 10, 15, 30 | X | 15 | 4-wire | 120 | 50 | |
| PM720L1022 | BC7000L1018 | Consult Original Equipment Manufacturer | | | 8 | LHL, HF-LF Proven | | | X | X | X | 7 | X | 8 | X | 4 | 4-wire | 120 | 60 | Proprietary to Cleaver Brooks |
| PM720L1030 | BC7000L1000 | R7140L2007 | RM7800L1012 | ST7800A 1039 | 30 | LHL, HF-LF Proven | | | X | X | X | 10 | X | 10, 15 | X | 15 | 4-wire | 120 | 60 | |
| PM720L1063 | BC7000L1034 | Consult Original Equipment Manufacturer | | | 10 | LHL, HF-LF Proven | | | X | X | X | 7 | X | 8 | X | 4 | 4-wire | 120 | 60 | Proprietary to Vapor Corporation |
| PM720L1089 | NEVER PRODUCED | | | | | | | | | | | | | | | | | | | |

See footnotes on page 10.

Table 3. HONEYWELL BC7000 PROGRAMMER REPLACEMENT CROSS REFERENCE (Continued)

| Device to be Replaced | | Replacement | | | Prepurge | | Interlocks | | | | | | Frequency | | | | | | | | | |
|-----------------------|-------------|--|----------------------------|-----------------|----------|-------------------------|------------|---------|---------|-------------|---------|---------|-----------|------------|------------|-----------|------------|-----------|------------|---------|-----------|---|
| Program Module | Used With | Direct 1 3 4 5 | 7800 Series 1 2 3 4 5 6 | Purge Timer | Timing | Type | Start | Running | Lockout | Preignition | Hi-fire | Lo-fire | PFFP | INTM Pilot | INTR Pilot | MFEF | Spark Term | Postpurge | Modulation | Voltage | Frequency | Comments |
| PM720L1097 | BC7000L1018 | Consult Original Equipment Manufacturer | | | 8 | LHL, HF-LF Proven | | X | X | X | X | X | X | X | X | 8 | | 4 | 4-wire | 120 | 50 | Proprietary to Cleaver Brooks |
| PM720L1105 | BC7000L1034 | Consult Original Equipment Manufacturer | | | 8 | LHL, HF-LF Proven | | X | X | X | X | X | X | X | X | 8 | | 4 | 4-wire | 120 | 50 | Proprietary to Vapor Corporation |
| PM720L1105 | BC7000L1034 | Consult Original Equipment Manufacturer | | | 8 | LHL, HF-LF Proven | | X | X | X | X | X | X | X | X | 8 | | 4 | 4-wire | 120 | 50 | Proprietary to Vapor Corporation |
| PM720L1113 | BC7000L1042 | Consult Original Equipment Manufacturer | | | 30 | LHL, HF-LF Proven | | X | X | X | X | X | X | X | X | 10, 15 | | 15 | 4-wire | 120 | 60 | Proprietary to York-Shipley, LWCO annunciation on terminal 18" |
| PM720L1121 | BC7000L1042 | Consult Original Equipment Manufacturer | | | 30 | LHL, HF-LF Proven | | X | X | X | X | X | X | X | X | 10, 15 | | 15 | 4-wire | 120 | 60 | Proprietary to York-Shipley, LWCO annunciation on terminal 18. energy saving prepurge (ESP) |
| PM720L1139 | BC7000L1000 | R7140L2007 | RM7800L1012 | ST7800A 1039 | 30 | LHL, HF-LF Proven | | X | X | X | X | X | X | X | X | 10, 15 | X | 15 | 4-wire | 120 | 60 | Reduced sensitivity to line noise |
| PM720L2004 | BC7000L1000 | None | RM7800E1010 | ST7800A 1039 | 30 | LHL, HF-LF Proven | | X | X | X | X | X | X | X | X | 10, 15 | X | 15 | 4-wire | 120 | 60 | Energy saving prepurge (ESP) |
| PM720L2012 | BC7000L1000 | R7140L2007 | RM7800L1012 | ST7800A 1039 | 30 | LHL, HF-LF Proven | | X | X | X | X | X | X | X | X | 10, 15 | X | 15 | 4-wire | 120 | 50 | |
| PM720L2020 | BC7000L1000 | R7140L2007 | RM7800L1012 | ST7800A 1021 | 10 | LHL, HF-LF Proven | | X | X | X | X | X | X | X | X | 10, 15 | X | 15 | 4-wire | 120 | 60 | |

See footnotes on page 10.

Table 3. HONEYWELL BC7000 PROGRAMMER REPLACEMENT CROSS REFERENCE (Continued)

| Device to be Replaced | Replacement | | | Prepurge | | Interlocks | | | | | | Voltage | Frequency | Comments | | | | | | |
|-----------------------|-------------|---|----------------------------|---|-----------|--------------------------|-------|---------|---------|-------------|---------|---------|-----------|----------|---------|------------|--------|------------|-----------|--|
| | Used With | Direct 1 3 4 5 | 7800 Series 1 2 3 4 5 6 | Purge Timer | Timing | Type | Start | Running | Lockout | Preignition | Hi-fire | | | | Lo-fire | INTR Pilot | MFEF | Spark Term | Postpurge | Modulation |
| PM720M2002 | BC7000L1000 | R7140M1007 | RM7800M1011 | ST7800A 1039 (30 seconds), ST7800A 1062 (90 seconds) | 30, 90 | On- Off, LF Proven | X | X | X | X | X | X | X | 10* | X | 15 | 2-wire | 120 | 60 | 10second MFEF or intermittent pilot |
| PM720M2010 | BC7000L1000 | R7140M1007 | RM7800M1011 | ST7800A 1013 (7 seconds) | 7 | | X | X | X | X | X | X | X | 10* | X | 15 | | 120 | 60 | 10second MFEF or intermittent pilot |
| PM720M2036 | BC7000L1000 | R7140M1007 | RM7800M1011 | ST7800A 1013 (7 seconds), ST7800A 1039 (30 seconds) | 7, 30 | | X | X | X | X | X | X | X | 10* | X | 15 | | 120 | 60 | 10second MFEF or intermittent pilot |
| PM720M2044 | BC7000L1000 | R7140M1007 | RM7800M1011 | ST7800A 1039 (30 seconds), ST7800A 1062 (90 seconds) | 30, 90 | On- Off, LF Proven | X | X | X | X | X | X | X | 10* | X | 15 | 2-wire | 120 | 50 | 10second MFEF or intermittent pilot |
| PM720M2051 | BC7000L1000 | R7140M1007 | RM7800M1011 | ST7800A 1013 (7 seconds), ST7800A 1039 (30 seconds) | 7, 30 | | X | X | X | X | X | X | X | 10* | X | 15 | | 120 | 50 | 10second MFEF or intermittent pilot |
| BC7000L100 | None | See Program Module for Current Replacements | | | | | | | | | | | | | | 12 | 50 | | | |
| BC7000L101 | None | Consult Original Equipment Manufacturer | | | | | | | | | | | | | | 12 | 50 | | | |
| BC7000L103 | None | Consult Original Equipment Manufacturer | | | | | | | | | | | | | | 12 | 60 | | | |
| BC7000L104 | None | Consult Original Equipment Manufacturer | | | | | | | | | | | | | | 12 | 60 | | | |

See footnotes on page 10.

FOOTNOTES:

- 1 4 or 10 second PFEP.
- 2 With S7800A1001 Keyboard Display Module.

3 Select proper amplifier:

| <u>Old Amplifier:</u> | <u>Replacement Amplifier:</u> |
|-----------------------|-------------------------------|
| R7247A1005 | R7847A1033 |
| R7247A1021 | R7847A1025 |
| R7247B1003 | R7847B1031 |
| R7247C1001 | R7861A1026 See Note 5 |
| R7248A1004 | R7848A1008 |
| R7248B1028 | R7848B1006 |
| R7249A1003 | R7849A1023 |
| R7476A1007 | R7886A1001 |

- 4 With Selectable Airflow Switch Check.
- 5 Use with existing flame detectors, EXCEPT C7012E,F—Replace with C7061A,F and appropriate R7861 Amplifier.

Table 4. HONEYWELL R4140 PROGRAMMER CROSS REFERENCE.

| Device to be Replaced | Replacement | | | Purge Timer | Prepurge | | Interlocks | | | | | | INTR Pilot | MFEF | Spark Term | Postpurge | Modulation | Voltage | Frequency | Comments |
|-----------------------|---|--------------------------|-------------|-------------|-------------------|------|------------|---------|---------|-------------|---------|---------|------------|------|------------|-----------|------------|---------|-----------|---|
| | Direct | 7800 Series 2 6 7 8 9 | | | Timing | Type | Start | Running | Lockout | Preignition | Hi-fire | Lo-fire | | | | | | | | |
| | | None | 2, 6, 7 | | | | | | | | | | | | | | | | | |
| R4140D1004 | None | None | None | 30 | | X | X | | | | | | | 10 | X | 55 | 4- wire | 120 | 60 | Maxon special sequence for postpurge pilot systems. Uses special Q520A1196. |
| R4140E1001 | None | None | None | 31 | | X | X | | | | | | | 3 | | 15 | 4- wire | 120 | 60 | For direct spark ignition systems |
| R4140G1007 | R7140G1000 | RM7840G1014 | RM7840G1014 | 60 | HL, LF Proven | X | X | | X | X | X | | | 10 | X | 16 | 4- wire | 120 | 60 | |
| R4140G1015 | R7140G1000 | RM7840G1014 | RM7840G1014 | 60 | LHL, LF Proven | X | X | | X | X | X | | | 10 | X | 16 | 4- wire | 120 | 60 | |
| R4140G1023 | Consult Original Equipment Manufacturer | | | 72 | LHL, LF Proven | X | X | | X | X | X | | | 10 | X | 16 | 4- wire | 120 | 60 | Proprietary to Cleaver Brooks CB20 |
| R4140G1031 | R7140G2008 1 | RM7840G1014 | RM7840G1014 | 60 | LHL, LF Proven | X | X | | X | X | X | | | 10 | X | 16 | 4- wire | 120 | 60 | |
| R4140G1049 | R7140G2008 1 | RM7840G1014 | RM7840G1014 | 60 | LHL, LF Proven | X | X | | X | X | X | | | 10 | X | 16 | 4- wire | 120 | 60 | |
| R4140G1056 | R7140G2008 1 | RM7840G1014 | RM7840G1014 | 60 | LHL, LF Proven | X | X | | X | X | X | | | 10 | X | 16 | 4- wire | 120 | 60 | |
| R4140G1064 | R7140G2008 1 | RM7840G1014 | RM7840G1014 | 60 | LHL, LF Proven | X | X | | X | X | X | | | 10 | X | 16 | 4- wire | 120 | 60 | |
| R4140G1072 | R7140G2008 1 | RM7840G1014 | RM7840G1014 | 60 | LHL, LF Proven | X | X | | X | X | X | | | 10 | X | 16 | 4- wire | 120 | 60 | |
| R4140G1080 | R7140G2008 1 | RM7840G1014 | RM7840G1014 | 60 | LHL, LF Proven | X | X | | X | X | X | | | 10 | X | 16 | 4- wire | 120 | 60 | |
| R4140G1098 | None | None | None | 60 | LHL, LF Proven | X | X | | X | X | X | | | 10 | X | 16 | 4- wire | 240 | 50 | International model |
| R4140G1106 | R7140G1000 | RM7840G1014 | RM7840G1014 | 60 | LHL, LF Proven | X | X | | X | X | X | | | 10 | X | 16 | 4- wire | 120 | 60 | |

See footnotes on page 16.

Table 4. HONEYWELL R4140 PROGRAMMER CROSS REFERENCE. (Continued)

| Device to be Replaced | Replacement | | Prepurge | | Interlocks | | | | | | INTR Pilot | MFEF | Spark Term | Postpurge | Modulation | Voltage | Frequency | Comments | | | |
|-----------------------|---|----------------------------|--------------------------|--------|-------------------|-------|---------|---------|-------------|---------|------------|------|------------|-----------|------------|---------|-----------|----------|------------------------------------|------|------------|
| | Direct | 7800 Series 2 6 7 8 9 | Purge Timer | Timing | Type | Start | Running | Lockout | Preignition | Hi-fire | | | | | | | | | Lo-fire | PFEP | INTM Pilot |
| | | | | | | | | | | | | | | | | | | | | | |
| R4140G1114 | None | None | | 70 | LHL, LF Proven | X | X | | | X | 10 | X | 10, 30, 60 | X | 25 | 4-wire | 120 | 60 | | | |
| R4140G1122 | None | None | | 70 | LHL, LF Proven | X | X | | | X | 10 | X | 10, 30, 60 | X | 25 | 4-wire | 208 | 60 | | | |
| R4140G1130 | R7140G2008 ₁ | RM7840G1014 ₁ | ST7800A1054 | 60 | LHL, LF Proven | X | X | | | X | 10 | X | 10, 15 | X | 16 | 4-wire | 120 | 60 | | | |
| R4140G1148 | R7140G2008 ₁ | RM7840G1014 ₁ | ST7800A1054 | 60 | "LHL, LF Proven | X | X | | | X | 10 | X | 10, 15 | X | 16 | 4-wire | 120 | 60 | | | |
| R4140G1155 | None | EC7850A1122 | ST7800A1054 | 60 | LHL, LF Proven | X | X | X | X | X | 5 | X | 5 | X | 15 | 4-wire | 240 | 50 | Proprietary to Gordon-Platt Energy | | |
| R4140G1163 | R7140G2008 ₁ | RM7840G1014 ₁ | ST7800A1054 | 60 | LHL, LF Proven | X | X | | | X | 10 | X | 10 | X | 16 | 4-wire | 120 | 60 | | | |
| R4140G1171 | R7140G2008 _{1 3} | RM7840G1014 _{1 3} | ST7800A1062 (90 seconds) | 70 | LHL, LF Proven | X | X | | | X | 10 | X | 10, 30, 60 | X | 25 | 4-wire | 120 | 60 | | | |
| R4140G1189 | R7140L1009 | RM7840L1018 | ST7800A1054 | 60 | LHL, HF-LF Proven | X | X | X | X | X | 10 | X | 10 | X | 15 | 4-wire | 120 | 60 | Gordon-Platt Energy GP201 | | |
| R4140G1197 | None | EC7850A1122 | ST7800A1054 | 60 | LHL, LF Proven | X | X | | | X | 5 | X | 5, 10, 15 | X | 16 | 4-wire | 240 | 50 | International model | | |
| R4140L1006 | R7140L1009 | RM7840L1018 | ST7800A1054 | 60 | LHL, HF-LF Proven | | | X | X | X | 10 | X | 10, 15 | X | 16 | 4-wire | 120 | 60 | | | |
| R4140L1014 | R7140L1009 | RM7840L1018 | ST7800A1054 | 60 | LHL, HF-LF Proven | | | X | X | X | 10 | X | 10, 15 | X | 16 | 4-wire | 120 | 60 | | | |
| R4140L1022 | Consult Original Equipment Manufacturer | | | 72 | LHL, HF-LF Proven | | | X | X | X | 10 | X | 10, 15 | X | 15 | 4-wire | 120 | 60 | Cleaver Brooks CB40 | | |
| R4140L1030 | R7140L1009 | RM7840L1018 | ST7800A1054 | 60 | LHL, HF-LF Proven | | | X | X | X | 10 | X | 10, 15 | X | 16 | 4-wire | 120 | 60 | With nonrotatable timer | | |
| R4140L1048 | None | EC7850A1122 | ST7800A1047 (40 seconds) | 45 | LHL, HF-LF Proven | | | X | X | X | 10 | X | 2.5, 10 | X | 15 | 4-wire | 220 | 50 | International model | | |

See footnotes on page 16.

Table 4. HONEYWELL R4140 PROGRAMMER CROSS REFERENCE. (Continued)

| Device to be Replaced | Replacement | | | Prepurge | | Interlocks | | | | | INTR Pilot | MFEF | Spark Term | Postpurge | Modulation | Voltage | Frequency | Comments | |
|-----------------------|--|--------------------------|------------------------------------|----------------|-----------------------|------------|---------|---------|-------------|---------|------------------|-----------|------------|-------------------|------------|---------|--|----------|---------|
| | Direct | 7800 Series 2 6 7 8 9 | Purge Timer | Timing | Type | Start | Running | Lockout | Preignition | Hi-fire | | | | | | | | | Lo-fire |
| | 2, 6, 7 | RM7840L1018 | ST7800A1054 | 60 | LHL, HF- LF Proven | | X | X | X | X | | | | | | | | | X |
| R4140L1055 | R7140L1009 | RM7840L1018 | ST7800A1054 | 60 | LHL, HF- LF Proven | | X | X | X | X | X | 10, 30 | | "15 4- wire | 120 | 60 | | | |
| R4140L1063 | Consult Original Equipment Manufacturer | | | 9.5 | LHL, HF- LF Proven | | X | X | X | X | 8 | | | 3.5 2- wire | 120 | 60 | Vapor Corporation | | |
| R4140L1071 | None | RM7840L1018 | ST7800A1054 | 60 | LHL, HF- LF Proven | | X | X | X | X | 10, 15, 30 | X | X | 15 4- wire | 240 | 50 | International model | | |
| R4140L1089 | R7140L1009 | RM7840L1018 | ST7800A1054 | 60 | LHL, HF- LF Proven | | X | X | X | X | 10 | X | X | 15 4- wire | 120 | 60 | Gordon-Platt Energy GP301 | | |
| R4140L1097 | R7140L1009 | RM7840L1018 | ST7800A1054 | 60 | LHL, HF- LF Proven | | X | X | X | X | 10, 15 | X | X | 15 4- wire | 120 | 60 | | | |
| R4140L1105 | R7140L1009 | RM7840L1018 | ST7800A1054 | 60 | LHL, HF- LF Proven | | X | X | X | X | 10, 15 | X | X | 16 4- wire | 120 | 60 | | | |
| R4140L1113 | None | EC7850A1122 | ST7800A1054 | 60 | LHL, HF- LF Proven | | X | X | X | X | 5, 10, 15 | X | X | 15 4- wire | 240 | 50 | International model | | |
| R4140L1121 | Consult Original Equipment Manufacturer | | | 5.5 | LHL, HF- LF Proven | | X | X | X | X | | | | 8 | | | ICI Model | | |
| R4140L1139 | R7140L1009 | RM7840L1018 | ST7800A1054 | 60 | LHL, HF- LF Proven | | X | X | X | X | 10, 15 | X | X | 15 4- wire | 120 | 60 | | | |
| R4140L1147 | R7140L1009 | RM7840L1018 | ST7800A1054 | 60 | LHL, HF- LF Proven | | X | X | X | X | 10, 15, 30 | X | X | 15 4- wire | 120 | 60 | | | |
| R4140L1154 | None | EC7850A1122 | Check R4140 for purge timing | Select able | LHL, HF- LF Proven | | X | X | X | X | 5, 10 | X | X | 15 4- wire | 240 | 50 | Approved by Australian Gas Association | | |
| R4140L1162 | Consult Original Equipment Manufacturer | | | 60 | LHL, HF- LF Proven | | X | X | X | X | 5, 15 | X | X | 16 4- wire | 120 | 60 | Fulton Special | | |
| R4140L1170 | None | EC7850A1122 | ST7800A1054 | 60 | LHL, HF- LF Proven | | X | X | X | X | 5, 10 | X | X | 15 | 240 | 50 | | | |

See footnotes on page 16.

Table 4. HONEYWELL R4140 PROGRAMMER CROSS REFERENCE. (Continued)

| Device to be Replaced | Replacement | | Prepurge | | Interlocks | | | | | | PFEF | INTM Pilot | INTR Pilot | MFEP | Spark Term | Postpurge | Modulation | Voltage | Frequency | Comments |
|-----------------------|---------------------|--------------------------|-----------------------------|--------|----------------------|-------|---------|---------|-------------|---------|------|------------|------------|-----------|------------|-----------|------------|---------|----------------------------------|----------------|
| | Direct | 7800 Series 2 6 7 8 9 | Purge Timer | Timing | Type | Start | Running | Lockout | Preignition | Hi-fire | | | | | | | | | | |
| R4140M1004 | R7140M1007 1 | RM7840M1017 1 | ST7800A1039 (30 seconds) | 31 | On-Off | X | X | | | | 10 | X | | 10 | 15 | | 120 | 60 | | |
| R4140M1012 | R7140M1007 1 | RM7840M1017 1 | ST7800A1039 (30 seconds) | 31 | On-Off | X | X | | | | 10 | X | | 10 | 15 | | 120 | 60 | | |
| R4140M1020 | R7140M1007 1 4 5 | RM7840M1017 1 4 | ST7800A1047 (40 seconds) | 42 | On-Off, LF Proven | X | X | | | X | 10 | X | | 10 | 15 | | 120 | 60 | Isolated damper motor contact | |
| R4140M1038 | R7140M1007 1 4 5 | RM7840M1017 1 4 | ST7800A1047 (40 seconds) | 42 | On-Off, LF Proven | X | X | | | X | 10 | X | | 10 | 15 | | 120 | 60 | Isolated damper motor contact | |
| R4140M1046 | R7140M1007 1 4 5 | RM7840M1017 1 4 | ST7800A1062 (90 seconds) | 96 | On-Off, LF Proven | X | X | | | X | 10 | X | | 10 | 25 | | 120 | 60 | Isolated damper motor contact | |
| R4140M1053 | R7140M1007 1 4 5 | RM7840M1017 1 4 | ST7800A1062 (90 seconds) | 96 | On-Off, LF Proven | X | X | | | X | 10 | X | | 10 | 25 | | 120 | 60 | Isolated damper motor contact | |
| R4140M1061 | R7140M1007 | None | | 31 | On-Off, LF Proven | X | X | | | | 10 | X | | 5, 10 | 15 | | 240 | 50 | International model | |
| R4140M1079 | R7140M1007 | RM7840M1017 | ST7800A1062 | 90 | On-Off, LF Proven | "X" | | | | X | 10 | X | | 10 | 25 | | 120 | 60 | Gordon-Platt Energy GP101 | |
| R4140M1087 | None | None | | 31 | On-Off | X | X | | | | 10 | X | | 5, 10, 15 | 15 | | 240 | 50 | International model | |
| R4140M1095 | Never produced | | | | | | | | | | | | | | | | | | | Never produced |
| R4140M1103 | R7140M1007 1 | RM7840M1017 1 | ST7800A1039 (30 seconds) | 31 | On-Off | X | X | | | | 10 | X | | 10, 30 | 15 | | 120 | 60 | | |
| R4140M1111 | R7140M1007 1 | RM7840M1017 1 | ST7800A1039 (30 seconds) | 31 | On-Off | X | X | | | | 10 | X | | 10, 30 | 15 | | 120 | 60 | | |
| R4140M1129 | Never produced | | | | On-Off, LF Proven | | | | | | | | | | | | | | | |
| R4140M1137 | Never produced | | | | On-Off, LF Proven | | | | | | | | | | | | | | | |
| R4140M1145 | R7140M1007 1 4 5 | RM7840M1017 1 4 | ST7800A1047 (40 seconds) | 42 | On-Off, LF Proven | X | X | | | X | 10 | X | | 10 | 15 | | 120 | 60 | Isolated damper motor contact | |
| R4140M1152 | R7140M1007 1 4 5 | RM7840M1017 1 4 | ST7800A1047 (40 seconds) | 42 | On-Off, LF Proven | X | X | | | X | 10 | X | | 10 | 15 | | 120 | 60 | Isolated damper motor contact | |

See footnotes on page 16.

Table 4. HONEYWELL R4140 PROGRAMMER CROSS REFERENCE. (Continued)

| Device to be Replaced | Replacement | | | Prepurge | | Interlocks | | | | | | INTR Pilot | MFEF | Spark Term | Postpurge | Modulation | Voltage | Frequency | Comments | | |
|-----------------------|----------------------------------|--------------------------|-----------------------------|----------|----------------------|------------|---------|---------|-------------|---------|---------|------------|------|------------|-----------|------------|---------|-----------|--|------|------------|
| | Direct | 7800 Series 2 6 7 8 9 | Purge Timer | Timing | Type | Start | Running | Lockout | Preignition | Hi-fire | Lo-fire | | | | | | | | | PFEP | INTM Pilot |
| | | | | | | | | | | | | | | | | | | | | | |
| R4140M1160 | R7140M1007 4 5 | RM7840M1017 | ST7800A1062 (90 seconds) | 96 | On-Off, LF Proven | X | | X | | X | 10 | X | 10 | X | 25 | | 120 | 60 | Isolated damper motor contact | | |
| R4140M1178 | R7140M1007 4 5 | RM7840M1017 | ST7800A1062 (90 seconds) | 96 | On-Off, LF Proven | X | | X | | X | 10 | X | 10 | X | 25 | | 120 | 60 | Isolated damper motor contact | | |
| R4140M1186 | R7140M1007 1 5 | RM7840M1017 | ST7800A1047 (40 seconds) | 42 | On-Off, LF Proven | X | | | | X | 10 | X | 10 | X | 15 | | 120 | 60 | | | |
| R4140M1194 | R7140M1007 1 5 | RM7840M1017 | ST7800A1062 (90 seconds) | 96 | On-Off, LF Proven | X | | | | X | 10 | X | 10 | X | 15 | | 120 | 60 | | | |
| R4140M1202 | None | None | | 31 | On-Off, LF Proven | X | | | | X | 5 | X | 5, | 10 | 15 | | 240 | 50 | Approved by Australian Gas Association | | |
| R4140M1210 | Consult Original Manufacturer | | | 31 | On-Off, LF Proven | X | | | | X | 10 | X | 10 | X | 25 | | 120 | 60 | Fulton Special | | |
| R4140P1007 | None | RM7896C1010 | ST7800A1062 | 90 | On-Off | X | | | | | 10 | X | 15 | | 15 | | 120 | 60 | Gordon Platt GP001 | | |
| R4140Y1005 | None | RM7895A1014 | ST7800A1013 | 7 | On-Off | X | | | | | 10 | X | 15 | | 15 | | 120 | 60 | | | |
| R4140Y1013 | None | RM7895A1014 | ST7800A1013 | 7 | On-Off | X | | | | | 4 | X | 15 | | 15 | | 120 | 60 | | | |
| R4140Y1021 | None | RM7895A1014 | ST7800A1039 | 30 | On-Off | X | | | | | 10 | X | 15 | | 15 | | 120 | 60 | | | |
| R4140Y1039 | None | RM7895A1014 | ST7800A1039 | 30 | On-Off | X | | | | | 4 | X | 15 | | 15 | | 120 | 60 | | | |
| R4140Y1047 | None | RM7895A1014 | ST7800A1054 | 60 | On-Off | X | | | | | 10 | X | 15 | | 15 | | 120 | 60 | | | |
| R4140Y1054 | None | RM7895A1014 | ST7800A1054 | 60 | On-Off | X | | | | | 4 | X | 15 | | 15 | | 120 | 60 | | | |
| R4140Y1062 | None | RM7895A1014 | ST7800A1062 | 90 | On-Off | X | | | | | 10 | X | 15 | | 15 | | 120 | 60 | | | |
| R4140Y1070 | None | RM7895A1014 | ST7800A1062 | 90 | On-Off | X | | | | | 4 | X | 15 | | 15 | | 120 | 60 | | | |

See footnotes on page 16.

FOOTNOTES:

- 1 R4140 Start Interlocks become Pre-Ignition Interlocks (must remain closed throughout Purge).
- 2 4 or 10 second PFEF
- 3 60 second MFEF is not available with replacement device.
- 4 Spring return Firing Rate Motor (damper motor).
- 5 Remove Jumpers J1 and J2.
- 6 Select proper amplifier:

| | |
|---------------|---------------|
| Old Amplifier | New Amplifier |
| R7247A1005 | R7847A1033 |
| R7247A1021 | R7847A1025 |
| R7247B1003 | R7847B1031 |
| R7247C1001 | R7861A1026 |
| R7248C1004 | R7848A1008 |
| R7248B1028 | R7848B1006 |
| R7249A1003 | R7849A1023 |
| R7476A1007 | R7886A1001 |
- 7 With Selectable Airflow Switch Check (AFC).
- 8 Used with existing flame detectors—EXCEPT C7012E.F.—Replace with C7061A.F. and appropriate 7861 Flame Amplifier.
- 9 Requires Q7800A or Q7800B Wiring Subbase.

Table 5. HONEYWELL R 4150 PROGRAMMER CROSS REFERENCE.

| Device to be Replaced | Replacement | | Prepurge | | Interlocks | | | | PFEP | INTM Pilot | INTR Pilot | MFEF | Spark Term | Postpurge | Modulation | Voltage | Frequency | Comments |
|-----------------------|-------------------------|---------------------------------|-------------|--------|------------|-------|---------|---------|------|------------|------------|------|------------|-----------|------------|---------|-------------------------------------|----------|
| | Direct 1, 2, 6, 7, 8 | 7800 Series 1, 2, 6, 7, 8, 9 | Purge Timer | Timing | Type | Start | Running | Lockout | | | | | | | | | | |
| R4150A1007 | None | RM7840M1017 | ST7800A1039 | 30 | On-Off | X | X | | | | 10 | X | 15 | 15 | 120 | 60 | Includes R7257 Amplifier. | |
| R4150A1015 | None | RM7840M1017 | ST7800A1039 | 30 | On-Off | X | X | | | | 10 | X | 15 | 15 | 120 | 50 | | |
| R4150A1023 | None | RM7840M1017 | ST7800A1039 | 30 | On-Off | X | X | | | | 10 | X | 15 | 15 | 120 | 60 | | |
| R4150A1031 | None | RM7840M1017 | ST7800A1039 | 30 | On-Off | X | X | | | | 10 | X | 15, 30 | X | 120 | 60 | Kewanee label. | |
| R4150A1049 | International Model | | | 30 | On-Off | X | X | | | | 10 | X | 5 | X | 200 | 60 | Includes R7257 International model. | |
| R4150A1056 | None | RM7840M1017 | ST7800A1039 | 30 | On-Off | X | X | | | | 15 | X | 15 | X | 120 | 60 | | |
| R4150A1064 | None | RM7840M1017 | ST7800A1039 | 30 | On-Off | X | X | | | | 10 | X | 15, 30 | X | 120 | 60 | | |
| R4150A1072 | International Model | | | 30 | On-Off | X | X | | | | 10 | X | 15 | X | 200 | 60 | International model. | |
| R4150A1080 | None | RM7840M1017 | ST7800A1039 | 30 | On-Off | X | X | | | | 10 | X | 15, 30 | X | 120 | 60 | Kewanee label. | |
| R4150A1098 | Never Produced | | | | | | | | | | | | | | | | Never produced | |
| R4150A1106 | None | RM7840M1017 | ST7800A1039 | 30 | On-Off | X | X | | | | 15 | X | 5 | X | 120 | 60 | | |
| R4150A1114 | None | RM7840M1017 | ST7800A1054 | 60 | On-Off | X | X | | | | 10 | X | 15 | X | 120 | 60 | | |
| R4150A1122 | None | RM7840M1017 | ST7800A1062 | 90 | On-Off | X | X | | | | 10 | X | 15 | X | 120 | 60 | | |
| R4150A1130 | None | RM7840M1017 | ST7800A1054 | 60 | On-Off | X | X | | | | 10 | X | 15, 30 | X | 120 | 60 | | |
| R4150A1148 | None | RM7840M1017 | ST7800A1062 | 90 | On-Off | X | X | | | | 10 | X | 15, 30 | X | 120 | 60 | | |
| R4150A1155 | None | RM7840M1017 | ST7800A1062 | 90 | On-Off | X | X | | | | 10 | X | 15, 30 | X | 120 | 60 | Kewanee label. | |
| R4150A1163 | None | RM7840M1017 | ST7800A1039 | 30 | On-Off | X | X | | | | 15 | X | 15 | X | 120 | 60 | | |
| R4150A1171 | None | RM7840M1017 | ST7800A1062 | 90 | On-Off | X | X | | | | 15 | X | X | X | 120 | 60 | | |
| R4150A1189 | None | RM7840M1017 | ST7800A1062 | 90 | On-Off | X | X | | | | 15 | X | 15 | X | 120 | 60 | | |
| R4150A1197 | None | RM7840M1017 | ST7800A1039 | 30 | On-Off | X | X | | | | 10 | X | 15 | X | 120 | 50 | International model | |
| R4150A1205 | International Model | | | 37 | On-Off | X | X | | | | 10 | X | 2 | X | 220 | 50 | International model | |
| R4150A1213 | International Model | | | 37 | On-Off | X | X | | | | 10 | X | 5 | X | 220 | 50 | International model | |
| R4150A1221 | International Model | | | 37 | On-Off | X | X | | | | 10 | X | 5 | X | 240 | 50 | International model | |
| R4150A1239 | None | RM7840M1017 | ST7800A1062 | 90 | On-Off | X | X | | | | 15 | X | 15 | X | 120 | 60 | | |

See footnotes on page 22.

Table 5. HONEYWELL R 4150 PROGRAMMER CROSS REFERENCE. (Continued)

| Device to be Replaced | Replacement | | Prepurge | | Interlocks | | | | PFP | INTM Pilot | INTR Pilot | MFEP | Spark Term | Postpurge | Modulation | Voltage | Frequency | Comments |
|-----------------------|-------------------------|---------------------------------|-----------------------------|--------|-------------------------|-------|---------|---------|-----|------------|------------|------|------------|-----------|------------|---------|---|----------|
| | Direct 1, 2, 6, 7, 8 | 7800 Series 1, 2, 6, 7, 8, 9 | Purge Timer | Timing | Type | Start | Running | Lockout | | | | | | | | | | |
| R4150A1247 | None | RM7840M1017 | ST7800A1039 | 30 | On-Off | X | X | | | | 10 | X | 15 | 15 | 120 | 60 | | |
| R4150A1254 | None | RM7840M1017 | ST7800A1062 | 90 | On-Off | X | X | | | | 10 | X | 15 | 20 | 120 | 60 | | |
| R4150A1262 | International Model | | | 30 | On-Off | X | X | | | | 10 | X | 15 | 15 | 220 | 50 | International model | |
| R4150A1270 | None | RM7840M1017 | ST7800A1039 | 30 | On-Off | X | X | | | | 30 | X | 15 | 15 | 120 | 60 | | |
| R4150A1288 | None | RM7840M1017 | ST7800A1047 (40 seconds) | 35 | On-Off | X | X | | | | 10 | X | 15 | 15 | 120 | 60 | 5 second stabilization before PFEF. | |
| R4150A1296 | International Model | | | 30 | On-Off | X | X | | | | 10 | X | 15 | 15 | 220 | 50 | International model. Ignition on 3 secs before pilot valve. | |
| R4150B1005 | None | RM7840M1017 | ST7800A1039 | 30 | On-Off | X | X | | | | 10 | X | 15 | 15 | 120 | 60 | R7258A included | |
| R4150B1013 | Never Produced | | | | | | | | | | | | | | | | Never produced | |
| R4150C1003 | None | RM7840M1017 | ST7800A1039 | 30 | On-Off | X | X | | | | 10 | X | 15 | 15 | 120 | 60 | R7259A included | |
| R4150C1011 | Never Produced | | | | | | | | | | | | | | | | | |
| R4150C1029 | None | RM7840M1017 | ST7800A1039 | 30 | On-Off | X | X | | | | 10 | X | 10 | 15 | 120 | 60 | R7259A included | |
| R4150D1001 | Never Produced | | | | | | | | | | | | | | | | Never produced | |
| R4150E1008 | None | None | | 30 | | X | X | | | | 3 | | 15 | | 120 | 60 | For direct spark ignition applications | |
| R4150F1006 | International Model | | | | | | | | | | | | | | | | International - Japan | |
| R4150F1014 | International Model | | | | | | | | | | | | | | | | International - Japan | |
| R4150G1004 | R7140G2008 | RM7840G1014 | ST7800A1054 (60 seconds) | 50 | LHL, LF Proven | X | X | | | | 9 | X | 15 | 8 | 120 | 60 | 3-wire | |
| R4150G1012 | R7140M1007 4, 5 | RM7840M1017 | ST7800A1062 (90 seconds) | 72 | On-Off, LF Proven | X | X | | | | 13 | X | 15 | 15 | 120 | 60 | | |

See footnotes on page 22.

Table 5. HONEYWELL R 4150 PROGRAMMER CROSS REFERENCE. (Continued)

| Device to be Replaced | Replacement | | Purge Timer | Prepurge | | Interlocks | | | | | PFP | INTM Pilot | INTR Pilot | MFEP | Spark Term | Postpurge | Modulation | Voltage | Frequency | Comments |
|-----------------------|---|---------------------------------|-----------------------------|----------|----------------------|------------|---------|---------|-------------|---------|-----|------------|------------|-----------|------------|------------|------------|---------|------------------------------|----------|
| | Direct 1, 2, 6, 7, 8 | 7800 Series 1, 2, 6, 7, 8, 9 | | Timing | Type | Start | Running | Lockout | Preignition | Hi-fire | | | | | | | | | | |
| R4150G1020 | R7140G2008 | RM7840G1014 | ST7800A1054 (60 seconds) | 50 | LHL, LF Proven | X | X | | | | X | 9 | X | 10 | 8 | 3- wire | 120 | 60 | Kewanee label | |
| R4150G1038 | International Model | | | 50 | LHL, LF Proven | X | X | | | | X | 9 | X | 15 | 8 | 3- wire | 220 | 50 | International model | |
| R4150G1046 | R7140G2008 | RM7840G1014 | ST7800A1054 (60 seconds) | 50 | LHL, LF Proven | X | X | | | | X | 9 | X | 10 | 8 | 3- wire | 120 | 60 | | |
| R4150G1053 | Consult Original Equipment Manufacturer | | | 72 | LHL, LF Proven | X | X | | | | X | 10 | X | 10, 15 | 9 | 3- wire | 120 | 60 | Cleaver Brooks CB2 | |
| R4150G1061 | Consult Original Equipment Manufacturer | | | 72 | LHL, LF Proven | | | X | X | | X | 10 | X | 10, 15 | 15 | 3- wire | 120 | 60 | Cleaver Brooks CB4, CB4-1 | |
| R4150G1079 | R7140M1007 | RM7840M1017 | ST7800A1062 (90 seconds) | 72 | LHL, LF Proven | X | X | | | | X | 13 | X | 15 | 15 | | 120 | 60 | | |
| R4150G1087 | Consult Original Equipment Manufacturer | | | 72 | LHL, LF Proven | X | X | | | | X | 10 | X | 10, 15 | 15 | 4- wire | 120 | 60 | Cleaver Brooks CB2-1 | |
| R4150G1095 | Never Produced | | | | | | | | | | | | | | | | | | Never produced | |
| R4150G1103 | R7140G2008 | RM7840G1014 | ST7800A1054 | 60 | LHL, LF Proven | X | X | | | | X | 10 | X | 10, 30 | 15 | 3- wire | 120 | 60 | | |
| R4150G1111 | R7140G2008 | RM7840G1014 | ST7800A1054 | 60 | LHL, LF Proven | X | X | | | | X | 10 | X | 15 | 15 | 4- wire | 120 | 60 | | |
| R4150G1129 | None | RM7840L1018 | ST7800A1054 | 60 | LHL, LF Proven | | X | | | | X | 10 | X | 10 | 15 | 4- wire | 120 | 60 | Gordon-Platt Energy GP200 | |
| R4150G1137 | R7140G2008 | RM7840G1014 | ST7800A1054 | 60 | LHL, LF Proven | X | X | | | | X | 10 | X | 10, 30 | 15 | 4- wire | 120 | 60 | | |
| R4150G1145 | R7140G2008 | RM7840G1014 | ST7800A1054 | 60 | LHL, LF Proven | X | X | | | | X | 10 | X | 10 | 15 | 4- wire | 120 | 60 | | |

See footnotes on page 22.

Table 5. HONEYWELL R 4150 PROGRAMMER CROSS REFERENCE. (Continued)

| Device to be Replaced | Replacement | | | Prepurge | | Interlocks | | | | | | PFP | INTM Pilot | INTR Pilot | MFEP | Spark Term | Postpurge | Modulation | Voltage | Frequency | Comments |
|-----------------------|---|---------------------------------|-------------|-------------------------|------|------------|---------|---------|-------------|---------|---------|-----|------------|------------|------|------------|------------|------------|---------|-----------|--|
| | Direct 1, 2, 6, 7, 8 | 7800 Series 1, 2, 6, 7, 8, 9 | Purge Timer | Timing | Type | Start | Running | Lockout | Preignition | Hi-fire | Lo-fire | | | | | | | | | | |
| R4150G1152 | Never Produced | | | | | | | | | | | | | | | | | | | | Never produced |
| R4150G1160 | Consult Original Equipment Manufacturer | | 72 | LHL, LF Proven | X | X | X | | | X | | | X | 10, 15 | | 15 | 4- wire | 120 | 60 | | Cleaver Brooks CB2-1A |
| R4150G1178 | R7140G2008 | RM7840G1014 | 60 | LHL, LF Proven | X | X | | | | X | | | | 15 | | 15 | 4- wire | 120 | 60 | | |
| R4150G1186 | R7140G1000 | RM7840G1014 | 60 | LHL, LF Proven | X | X | | | | X | | | | 10, 15 | | 15 | 4- wire | 120 | 60 | | |
| R4150G1194 | Never Produced | | | | | | | | | | | | | | | | | | | | Never produced |
| R4150G1202 | International Model | | 62 | LHL, LF Proven | "X | X | | | | X | | | | 5 | X | 5 | 4- wire | 240 | 50 | | International model to Gordon-Platt Energy Specifications. |
| R4150H1002 | International Model | | 30 | On-Off | X | X | | | | | | | | 13, 58 | X | 13, 58 | 3- wire | 120 | 60 | | International model |
| R4150H1010 | International Model | | 30 | On-Off | X | X | | | | | | | | 13, 58 | X | 13, 58 | 3- wire | 240 | 60 | | International model |
| R4150H1028 | International Model | | 30 | On-Off | X | X | | | | | | | | 13, 58 | X | 13, 58 | 3- wire | 220 | 50 | | International model |
| R4150H1036 | International Model | | 30 | On-Off | X | X | | | | | | | | 13, 58 | X | 13, 58 | 3- wire | 208 | 60 | | |
| R4150J1007 | International Model | | 37 | On-Off | X | | | | | | | | | 2 | X | 2 | | 220 | 50 | | International model |
| R4150K1005 | International Model | | 37 | On-Off | X | | | | | | | | | 5 | X | 5 | | 220 | 50 | | International model |
| R4150L1003 | R7140L1009 | RM7840L1018 | 72 | LHL, HF-LF Proven | | | X | X | X | X | | | | 10, 15 | X | 10, 15 | 3- wire | 120 | 60 | | |
| R4150L1011 | R7140L1009 | RM7840L1018 | 72 | LHL, HF-LF Proven | | | X | X | X | X | | | | 10, 15 | X | 10, 15 | 3- wire | 120 | 60 | | |

See footnotes on page 22.

Table 5. HONEYWELL R 4150 PROGRAMMER CROSS REFERENCE. (Continued)

| Device to be Replaced | Replacement | | Prepurge | | Interlocks | | | | | PFEF | INTM Pilot | INTR Pilot | MFEP | Spark Term | Postpurge | Modulation | Voltage | Frequency | Comments |
|-----------------------|---|---------------------------------|-----------------------------|--------|-------------------------|-------|---------|---------|-------------|------|------------|------------|-----------|------------|------------|------------|---------|---|----------|
| | Direct 1, 2, 6, 7, 8 | 7800 Series 1, 2, 6, 7, 8, 9 | Purge Timer | Timing | Type | Start | Running | Lockout | Preignition | | | | | | | | | | |
| R4150L1029 | R7140L1009 | RM7840L1018 | ST7800A1054 | 60 | LHL, HF-LF Proven | | X | X | X | X | 10 | X | 10 | 15 | 4- wire | 120 | 60 | Gordon-Platt Energy GP300 (original) | |
| R4150L1037 | R7140L1009 | RM7840L1018 | ST7800A1062 (90 seconds) | 72 | LHL, HF-LF Proven | | X | X | X | X | 10 | X | 10, 15 | 15 | 4- wire | 120 | 60 | | |
| R4150L1045 | R7140L1009 | RM7840L1018 | ST7800A1062 (90 seconds) | 72 | LHL, HF-LF Proven | | X | X | X | X | 10 | X | 10, 15 | 15 | 4- wire | 120 | 60 | | |
| R4150L1052 | Never Produced | | | | | | | | | | | | | | | | | Never produced | |
| R4150L1060 | Consult Original Equipment Manufacturer | | | 72 | LHL, HF-LF Proven | | X | X | X | X | 10 | X | 10, 15 | 15 | 4- wire | 120 | 60 | Cleaver Brooks CB4- 1A | |
| R4150L1078 | R7140L1009 | RM7840L1018 | ST7800A1054 | 60 | LHL, HF-LF Proven | | | X | X | X | 10 | X | 10 | 15 | 4- wire | 120 | 60 | Gordon-Platt Energy GP300 | |
| R4150M1001 | R7140M1007 | RM7840M1017 | ST7800A1062 | 90 | On-Off | X | X | | | | 10 | X | 10 | 20 | | 120 | 60 | Ray Burner | |
| R4150M1019 | None | RM7840M1017 | ST7800A1062 | 90 | On-Off | X | X | | | | 10 | X | 10 | 20 | | 120 | 60 | Ray Burner - Special Base | |
| R4150M1027 | R7140M1007 | RM7840M1017 | ST7800A1039 | 30 | On-Off | X | X | | | | 10 | X | 15 | 15 | | 120 | 60 | | |
| R4150M1035 | R7140M1007 | RM7840M1017 | ST7800A1039 | 30 | On-Off | X | X | | | | 10 | X | 15 | 15 | | 120 | 60 | | |
| R4150M1043 | R7140M1007 | RM7840M1017 | ST7800A1039 | 30 | On-Off | X | X | | | | 10 | X | 15 | 15 | | 120 | 60 | | |
| R4150M1050 | R7140M1007 | RM7840M1017 | ST7800A1039 | 30 | On-Off | X | X | | | | 10 | X | 15, 30 | 15 | | 120 | 60 | | |
| R4150M1068 | R7140M1007 | RM7840M1017 | ST7800A1062 | 90 | On-Off | X | X | | | | 10 | X | 15 | 15 | | 120 | 60 | | |
| R4150M1076 | R7140M1007 | RM7840M1017 | ST7800A1062 | 90 | On-Off | X | X | | | | 10 | X | 15 | 15 | | 120 | 60 | | |
| R4150M1084 | R7140M1007 | RM7840M1017 | ST7800A1062 | 90 | On-Off | X | X | | | | 10 | X | 15 | 15 | | 120 | 60 | | |
| R4150M1092 | None | RM7840M1017 | ST7800A1062 | 90 | On-Off | X | X | X | | | 10 | X | 15 | 20 | | 120 | 60 | Gordon-Platt Energy GP100 (original) | |
| R4150M1100 | R7140M1007 | RM7840M1017 | ST7800A1039 | 30 | On-Off | X | X | | | | 10 | X | 10, 30 | 15 | | 120 | 60 | | |
| R4150M1118 | None | RM7840M1017 | ST7800A1039 | 30 | On-Off | X | X | | | | 15 | X | 15 | 15 | | 120 | 60 | | |
| R4150M1126 | R7140M1007 | RM7840M1017 | ST7800A1039 | 30 | On-Off | X | X | | | | 10 | X | 10 | 15 | | 120 | 60 | | |

See footnotes on page 22.

Table 5. HONEYWELL R 4150 PROGRAMMER CROSS REFERENCE. (Continued)

| Device to be Replaced | Replacement | | Prepurge | | Interlocks | | | | | | PFEF | INTM Pilot | INTR Pilot | MFEP | Spark Term | Postpurge | Modulation | Voltage | Frequency | Comments | |
|-----------------------|-------------------------|---------------------------------|-------------|--------|------------|-------|---------|---------|-------------|---------|------|------------|------------|------|------------|-----------|------------|---------|-----------|---------------------------|---------------------|
| | Direct 1, 2, 6, 7, 8 | 7800 Series 1, 2, 6, 7, 8, 9 | Purge Timer | Timing | Type | Start | Running | Lockout | Preignition | Hi-fire | | | | | | | | | | | Lo-fire |
| R4150M1134 | R7140M1007 | RM7840M1017 | ST7800A1039 | 30 | On-Off | X | X | | | | | | 10 | X | | 15 | | 120 | 60 | | |
| R4150M1142 | R7140M1007 | RM7840M1017 | ST7800A1062 | 90 | On-Off | X | X | | | | | | 10 | X | X | 20 | | 120 | 60 | | |
| R4150M1159 | R7140M1007 | RM7840M1017 | ST7800A1062 | 90 | On-Off | X | X | | | | | | 10 | X | | 20 | | 120 | 60 | | |
| R4150M1167 | Never Produced | | | | | | | | | | | | | | | | | | | Never produced | |
| R4150M1175 | None | RM7840M1017 | ST7800A1062 | 90 | On-Off | X | | X | | | | | 10 | X | X | 20 | | 120 | 60 | Gordon-Platt Energy GP100 | |
| R4150X1004 | International Model | | | | | | | | | | | | | | | | | | | | International model |
| R4150X1012 | International Model | | | 30 | On-Off | X | X | | | | | | 5 | | X | 5 | 15 | 220 | 50 | | International model |
| R4150X1020 | International Model | | | 30 | On-Off | X | X | | | | | | 5 | | X | 5 | 15 | 240 | 50 | | International model |

FOOTNOTES:

- 1 R4150 Start Interlocks become Pre-Ignition Interlocks (must remain closed throughout Purge).
- 2 4 or 10 second PFEF.
- 3 60 Second MFEP is not available with replacement device.
- 4 Spring return Firing Rate Motor (damper motor).
- 5 Remove Jumpers J1 and J2.
- 6 Select proper amplifier:
 Old Amplifier
 R7257A1028
 R7258A1001
 R7259A1000
 Replacement Amplifier
 R7847A1033
 R7848A1008
 R7849A1023
- 7 With Selectable Air Flow Switch Check (AFC).
- 8 Use with existing flame detectors—EXCEPT C7012E,F—replace with C7061A,F and appropriate R7861 Flame Amplifier.
- 9 Requires Q7800A or Q7800B Wiring Subbase.

Table 6. HONEYWELL 7800 SERIES PROGRAMMER, PRIMARY CONTROL CROSS REFERENCE.

| Device to be Replaced | Current Replacement | Prepurge | | Interlocks | | | | | | | | | | PFP | INTR Pilot | MFEF | Postpurge | Voltage | Frequency | Modulation | Comments | |
|-----------------------|---------------------|------------|----------------|------------|---------|---------|-------------|---------|---------|-------------------|-----------------|-------------|---|-----|------------|------|------------|---------|-----------|------------|----------|---|
| | | Timing | Type | Start | Running | Lockout | Preignition | Hi-fire | Lo-fire | Air-Flow SW Check | Run/Test Switch | Flame Timer | | | | | | | | | | |
| RM7800E1002 | RM7800E1010 | Selectable | LHL HF, LF PRV | | | X | X | X | X | X | X | X | X | X | X | X | 10, 15 | 15 | 120 | 50 | 4-wire | with Energy Saving Purge and display module |
| RM7800E1010 | RM7800E1010 | Selectable | LHL HF, LF PRV | | | | X | X | X | X | X | X | X | X | X | X | 10, 15 | 15 | 120 | 50/60 | 4-wire | with Energy Saving Purge and display module |
| RM7800G1000 | RM7800G1018 | Selectable | LHL LF PRV | X | | | X | X | X | X | X | X | X | X | X | X | 10, 15, 30 | 15 | 120 | 50 | 4-wire | With display module |
| RM7800G1018 | RM7800G1018 | Selectable | LHL LF PRV | X | | | X | X | X | X | X | X | X | X | X | X | 10, 15, 30 | 15 | 120 | 50/60 | 4-wire | With display module |
| RM7800L1004 | RM7800L1012 | Selectable | LHL HF, LF PRV | | | X | X | X | X | X | X | X | X | X | X | X | 10, 15 | 15 | 120 | 50 | 4-wire | With display module |
| RM7800L1012 | RM7800L1012 | Selectable | LHL HF, LF PRV | | | | X | X | X | X | X | X | X | X | X | X | 10, 15 | 15 | 120 | 50/60 | 4-wire | With display module |
| RM7800L1038 | RM7800L1038 | Selectable | LHL HF, LF PRV | | | | X | X | X | X | X | X | X | X | X | X | 10, 15 | 15 | 120 | 50/60 | 4-wire | Fulton Proprietary |
| RM7800L1046 | RM7800L1046 | Selectable | LHL HF, LF PRV | | | | X | X | X | X | X | X | X | X | X | X | 10, 15 | 15 | 120 | 50/60 | 4-wire | Vapor Proprietary (49320086) |
| RM7800L1053 | RM7800L1053 | Selectable | LHL HF, LF PRV | | | | X | X | X | X | X | X | X | X | X | X | 10, 15 | 15 | 120 | 50/60 | 4-wire | With display module-Intermittent Pilot |
| RM7800L1061 | RM7800L1079 | Selectable | LHL HF, LF PRV | | | | X | X | X | X | X | X | X | X | X | X | 10, 15 | 15 | 120 | 50/60 | 4-wire | Cleaver Brook Proprietary (833-2719) |
| RM7800L1079 | RM7800L1079 | Selectable | LHL HF, LF PRV | | | | X | X | X | X | X | X | X | X | X | X | 10, 15 | 15 | 120 | 50/60 | 4-wire | Cleaver Brook Proprietary (833-2718) |
| RM7800M1003 | RM7800M1011 | Selectable | LHL LF PRV | X | | | X | X | X | X | X | X | X | X | X | X | 10 | 10 | 120 | 50 | 2-wire | With display module |
| RM7800M1011 | RM7800M1011 | Selectable | LHL LF PRV | X | | | X | X | X | X | X | X | X | X | X | X | 10 | 10 | 120 | 50/60 | 2-wire | With display module |
| RM7800M1036 | RM7800M1036 | Selectable | LHL LF PRV | X | | | X | X | X | X | X | X | X | X | X | X | 10 | 10 | 120 | 50/60 | 2-wire | Fulton Proprietary |

Table 6. HONEYWELL 7800 SERIES PROGRAMMER, PRIMARY CONTROL CROSS REFERENCE. (Continued)

| Device to be Replaced | Current Replacement | Prepurge | | Interlocks | | | | | | | | PFEF | INTM Pilot | INTR Pilot | MFEP | Postpurge | Voltage | Frequency | Modulation | Comments |
|-----------------------|---------------------|------------|----------------|------------|---------|---------|-------------|---------|---------|-------------------|-----------------|------|------------|------------|------|-----------|---------|-----------|--|---|
| | | Timing | Type | Start | Running | Lockout | Preignition | Hi-fire | Lo-fire | Air-Flow SW Check | Run/Test Switch | | | | | | | | | |
| RM7838A1006 | RM7838A1014 | Selectable | LHL HF PRV | X | X | X | X | X | X | X | X | X | X | 4, 10 | X | | 120 | 50 | | Semi-automatic control, with display module |
| RM7838A1014 | RM7838A1014 | Selectable | LHL HF PRV | X | X | X | X | X | X | X | X | X | 4, 10 | X | | 120 | 50/60 | | Semi-automatic control, with display module | |
| RM7838B1005 | RM7838B1013 | Selectable | LHL HF, LF PRV | X | X | X | X | X | X | X | X | X | 4, 10 | X | | 120 | 50 | | With display module | |
| RM7838B1013 | RM7838B1013 | Selectable | LHL HF, LF PRV | X | X | X | X | X | X | X | X | X | 4, 10 | X | | 120 | 50/60 | | With display module | |
| RM7838C1004 | RM7838C1004 | Selectable | LHL HF, LF PRV | X | X | X | X | X | X | X | X | X | 4, 10 | X | | 120 | 50/60 | | With display module. Alarm sounds only on safety shutdown, Requires ST7800C type Purge Timer | |
| RM7840E1008 | RM7840E1016 | Selectable | LHL HF, LF PRV | | X | X | X | X | X | X | X | X | 4, 10 | X | | 120 | 50 | 4-wire | with Energy Saving Purge | |
| RM7840E1016 | RM7840E1016 | Selectable | LHL HF, LF PRV | | X | X | X | X | X | X | X | X | 4, 10 | X | | 120 | 50/60 | 4-wire | with Energy Saving Purge | |
| RM7840G1006 | RM7840G1014 | Selectable | LHL LF PRV | X | | X | X | X | X | X | X | X | 4, 10 | X | | 120 | 50 | 4-wire | | |
| RM7840G1014 | RM7840G1014 | Selectable | LHL LF PRV | X | | X | X | X | X | X | X | X | 4, 10 | X | | 120 | 50/60 | 4-wire | | |
| RM7840L1000 | RM7840L1018 | Selectable | LHL HF, LF PRV | | X | X | X | X | X | X | X | X | 4, 10 | X | | 120 | 50 | 4-wire | | |
| RM7840L1018 | RM7840L1018 | Selectable | LHL HF, LF PRV | | X | X | X | X | X | X | X | X | 4, 10 | X | | 120 | 50/60 | 4-wire | | |
| RM7840L1026 | RM7840L1026 | Selectable | LHL HF, LF PRV | | X | X | X | X | X | X | X | X | 4, 10 | X | | 120 | 50/60 | 4-wire | Intermittent Pilot | |

Table 6. HONEYWELL 7800 SERIES PROGRAMMER, PRIMARY CONTROL CROSS REFERENCE. (Continued)

| Device to be Replaced | Current Replacement | Prepurge | | Interlocks | | | | | | | | PFEP | INTR Pilot | MFEF | Postpurge | Voltage | Frequency | Modulation | Comments | | |
|-----------------------|---------------------|------------|----------------|------------|---------|---------|-------------|---------|---------|-------------------|-----------------|------|------------|-------|-----------|---------|-----------|------------|----------|-------------|--------------------------------------|
| | | Timing | Type | Start | Running | Lockout | Preignition | Hi-fire | Lo-fire | Air-Flow SW Check | Run/Test Switch | | | | | | | | | Flame Timer | |
| RM7840L1034 | RM7840L1042 | Selectable | LHL HF, LF PRV | | X | X | X | X | X | X | X | X | X | 4, 10 | X | 10, 15 | 15 | 120 | 50/60 | 4-wire | Cleaver Brook Proprietary (833-2721) |
| RM7840L1042 | RM7840L1042 | Selectable | LHL HF, LF PRV | | | | X | X | X | X | X | X | X | 4, 10 | X | 10, 15 | 15 | 120 | 50/60 | 4-wire | Cleaver Brook Proprietary (833-2720) |
| RM7840M1009 | RM7840M1017 | Selectable | LHL LF PRV | | X | | | | X | | X | X | X | 4, 10 | X | 10 | 15 | 120 | 50 | 2-wire | |
| RM7840M1017 | RM7840M1017 | Selectable | LHL LF PRV | | X | | | | X | | X | X | X | 4, 10 | X | 10 | 15 | 120 | 50/60 | 2-wire | |

Table 7. FIREYE™ TO HONEYWELL PROGRAMMER CROSS REFERENCE.

| Device to be Replaced | Current Replacement 1 2 4 | 7800 Series Replacement 1 2 3 6 12 13 20 23 32 33 | Prepurge | | | | Interlocks | | | | | | INTR Pilot | MFEF | Spark Term | Postpurge | Modulation | Voltage | Frequency | Comments |
|-----------------------|------------------------------|---|----------|----------------|------|---------|------------|---------|---------|-------------|---------|---------|------------|------|------------|-----------|------------|------------|-----------|---|
| | | | Timing | Lo-Fire On-Off | Type | | | Running | Lockout | Preignition | Hi-fire | Lo-fire | | | | | | | | |
| | | | | | LHL | LHL PRV | OP Damp | | | | | | | | | | | | | |
| 24CJ5 1000 | None | RM7840M1017 or RM7840L1018 | 33 | X | | | | | X | | | | | | | | | 120 | 50/ 60 | 4 sec FFRT, rectification type flame sensor, vacuum tube circuitry. |
| 24CJ5 3000 | None | RM7840M1017 or RM7840L1018 | 30 | X | | | | | X | | | | | | | | | 120 | 60 | 2-4 sec FFRT, rectification type flame sensor." |
| 24CJ5 3010 | None | RM7840M1017 or RM7840L1018 | 37 | | | | | | X | | | | | | | | | 120 | 60 | 2-4 sec FFRT, rectification type flame sensor. |
| 24CJ5 3011 | None | RM7840M1017 or RM7840L1018 | 98 | | | | | | X | | | | | | | | | 120 | 60 | 1-4 sec FFRT, rectification type flame sensor. |
| 24CJ5 3014 | None | RM7840G1014 or RM7840L1018 | 60 | | X | | | | X | | | | | | | | | 120 | 60 | 1-4 sec FFRT, rectification type flame sensor. |
| 24CJ5 5010 | None | RM7840M1017 or RM7840L1018 | 37 | | | | | | X | | | | | | | | | 120 | 60 | 1-4 sec FFRT, rectification type flame sensor. |
| 24CJ5 5011 | None | RM7840M1017 or RM7840L1018 | 98 | | | | | | X | | | | | | | | | 120 | 60 | 1-4 sec FFRT, rectification type flame sensor. |
| 24CJ5 5015 | None | RM7840G1014 or RM7840L1018 | 60 | | X | | | | | | | | | | | | | 120 | 50/ 60 | 4 sec FFRT, rectification type flame sensor. |
| 24CJ5 5015A | None | RM7840G1014 or RM7840L1018 | 60 | | X | | | | | | | | | | | | | 120 | 50/ 60 | 4 sec FFRT, rectification type flame sensor. |
| 24PJ8 1000 | None | RM7840G1014 | 0 | | | | | | | | | | | | | | | 115 230 | 50/ 60 | Rectification type flame sensor, low voltage controller, vacuum tube. |
| 24RJ8 1000 | None | None | 60 | | | | | | | | | | | | | | | 120 | 50/ 60 | 1-4 sec FFRT, low voltage special for air heaters, vacuum tube electronics. |

See footnotes on page 36.

Table 7. FIREYE™ TO HONEYWELL PROGRAMMER CROSS REFERENCE. (Continued)

| Device to be Replaced | Current Replacement 1 2 4 | 7800 Series Replacement 1 2 3 6 12 13 20 23 32 33 | Prepurge | | | | Interlocks | | | | | | Comments | | | | | | |
|---------------------------|------------------------------|---|----------|----------------|-----|---------|------------|-------|---------|---------|-------------|---------|----------|---------|--|--|-----|-----------|---|
| | | | Timing | Lo-Fire On-Off | LHL | LHL PRV | OP Damp | Start | Running | Lockout | Preignition | Hi-Fire | | Lo-Fire | | | | | |
| 25CU6 1050 | None | RM7840M1017 or RM7840L1018 | 30 | X | | | | | X | | | | | | | | 120 | 60 | 4 sec FFRT, UV type flame detector. |
| 25CU6 1062 | None | RM7840M1017 or RM7840L1018 | 37 | | | X | | | X | | | X | | | | | 120 | 60 | 1-4 sec FFRT, UV type flame detector. |
| 25CU6 1063 | None | RM7840M1017 or RM7840L1018 | 98 | | | X | | | X | | | X | | | | | 120 | 60 | 1-4 sec FFRT, UV type flame detector. |
| 25CU6 1065 | None | RM7840G1014 or RM7840L1018 | 60 | | X | | | | X | | | X | | | | | 120 | 60 | 1-4 sec FFRT, UV type flame detector. |
| 25CU6 5062 | None | RM7840M1017 or RM7840L1018 | 37 | | | | | | X | | | X | | | | | 120 | 60 | 1-4 sec FFRT, UV type flame detector. |
| 25CU6 5063 | None | RM7840M1017 or RM7840L1018 | 98 | | | | | | X | | | X | | | | | 120 | 60 | 1-4 sec FFRT, UV type flame detector. |
| 25CU6 5065 25CU6 5065A | None | RM7840L1018 | 60 | | | X | | | | | | X | | | | | 120 | 50/ 60 | 4 sec FFRT, UV type flame detector. |
| 25CU6 5066 25CU6 5066A | None | RM7840G1014 or RM7840L1018 | 60 | | X | | | | | | | X | | | | | 120 | 50/ 60 | 4 sec FFRT, UV type flame detector." |
| 25CU6 RS-2 | None | RM7840M1017 or RM7840L1018 | 30 | X | | | | | X | | | X | | | | | 120 | 60 | Ray Burner special, 4 sec FFRT, UV type flame detector. |
| 25CU6 RS-2D | None | RM7840M1017 or RM7840L1018 | 98 | | | | | | X | | | X | | | | | 120 | 60 | Ray Burner special, 1-4 sec FFRT, UV type flame detector. |
| 25CU6 RS-2RE | None | RM7840M1017 or RM7840L1018 | 98 | | | | | | X | | | X | | | | | 120 | 60 | Ray Burner special, 1-4 sec FFRT, UV type flame detector. |

See footnotes on page 36.

Table 7. FIREYE™ TO HONEYWELL PROGRAMMER CROSS REFERENCE. (Continued)

| Device to be Replaced | Current Replacement 1 2 4 | 7800 Series Replacement 1 2 3 6 12 13 20 23 32 33 | Prepurge | | | | Interlocks | | | | | | PFEFP | INTR Pilot | MFEFP | Spark Term | Postpurge | Modulation | Voltage | Frequency | Comments |
|-----------------------|------------------------------|---|----------|----------------|-----|---------|------------|-------|---------|---------|-------------|---------|-------|------------|-------|------------|-----------|------------|---------|-----------|--|
| | | | Timing | Lo-Fire On-Off | LHL | LHL PRV | OP Damp | Start | Running | Lockout | Preignition | Hi-fire | | | | | | | | | |
| 25RU8 4580 | None | RM7840L1018 or RM7800L1012 | 47 | | | | | X | | | | X | X | | | | 20 | 3- wire | | 50/ 60 | 4 sec FFRT, used with self-check UV flame detector |
| 25RU8 6558 | None | RM7840G1014 or RM7800G1018 | 33 | X | | | | X | | | | | | | | | 15 | 3- wire | 120 | 50/ 60 | 4 sec FFRT, UV type flame detector. |
| 25RU8 6560 | None | RM7840L1018 or RM7800G1018 | 60 | X | | | | | | | X | | | | | | 10 | 4- wire | 120 | 50/ 60 | 1-4 sec FFRT, UV type flame detector. |
| 24RU8 6566 | None | RM7840G1014 or RM7840L1018 | 30 | X | | | | | | | X | | | | | | 10 | 2- wire | 120 | 50/ 60 | 4 sec FFRT, UV type flame detector. |
| 25RU8 6570 | None | RM7840L1018 or RM7800L1012 | 63 | X | | | | | | | X | | | | | | 15 | 4- wire | 120 | 50/ 60 | 4 sec FFRT, UV type flame detector. |
| 25RU8 6580 | None | RM7840L1018 or RM7800L1012 | 45 | | X | | | | | | | X | X | | | | 20 | 4- wire | 120 | 50/ 60 | 1-2 sec FFRT, UV type flame detector. |
| 26CF6 1000 | None | RM7840M1017 or RM7840L1018 | 30 | X | | | | | | | X | | | | | | 15 | | 120 | 50/ 60 | 1-4 sec FFRT, IR type flame detector. |
| 26CF6 1010 | None | RM7840M1017 or RM7840L1018 | 37 | | | | | X | | | X | | | | | | 15 | | 120 | 50/ 60 | 1-4 sec FFRT, IR type flame detector. |
| 26CF6 1011 | None | RM7840M1017 or RM7840L1018 | 98 | | | | | X | | | X | | | | | | 25 | | 120 | 50/ 60 | 1-4 sec FFRT, IR type flame detector. |
| 26CF6 1012 | None | RM7840G1014 or RM7840L1018 | 60 | X | | | | | | | X | | | | | | 20 | 3- wire | 120 | 50/ 60 | 1-4 sec FFRT, IR type flame detector. |
| 26CF6 5020 | None | RM7840M1017 or RM7840L1018 | 37 | | | | | X | | | X | | | | | | | | 120 | 50/ 60 | 1-4 sec FFRT, IR type flame detector. |

See footnotes on page 36.

Table 7. FIREYE™ TO HONEYWELL PROGRAMMER CROSS REFERENCE. (Continued)

| Device to be Replaced | Current Replacement 1 2 4 | 7800 Series Replacement 1 2 3 6 12 13 20 23 32 33 | Prepurge | | | | Interlocks | | | | | | INTR Pilot | MFEF | Spark Term | Postpurge | Modulation | Voltage | Frequency | Comments | | |
|---------------------------|------------------------------|---|----------|----------------|------|---------|------------|---------|---------|-------------|---------|---------|------------|------|------------|------------|------------|-----------|---|----------|------|------------|
| | | | Timing | Lo-Fire On-Off | Type | | | Running | Lockout | Preignition | Hi-fire | Lo-fire | | | | | | | | | PFEP | INTM Pilot |
| | | | | | LHL | LHL PRV | OP Damp | | | | | | | | | | | | | | | |
| 26CF6 5021 | None | RM7840M1017 or RM7840L1018 | 98 | | | | | | | | X | | | | | | 120 | 50/ 60 | 1-4 sec FFRT, IR type flame detector. | | | |
| 26CF6 5022 26CF6 5022A | None | RM7840L1018 | 60 | | X | | | | | | | X | | | | 4- wire | 120 | 50/ 60 | With AUTOCHECK feature, same as Honeywell R7245B AMPLI-CHECK™. | | | |
| 26CF6 5023 26CF6 5023A | None | RM7840G1014 or RM7840L1018 | 60 | X | | | | | | | X | | | | | 4- wire | 120 | 50/ 60 | 4 sec FFRT, IR type flame detector. | | | |
| 26CF6 RC-3A | None | RM7840G1014 or RM7840L1018 | 60 | X | | | | | | | X | | | | | 4- wire | 120 | 50/ 60 | Ray Burner special, 2 sec FFRT. | | | |
| 26RJ8 1000 | None | RM7840G1014 or RM7800G1018 23 | 30 | X | | | | | | | X | | | | | 3- wire | 115 230 | 50/ 60 | 4 sec FFRT, IR type flame detector, low voltage controller. | | | |
| 26RJ8 1001 | None | RM7840G1014 or RM7800G1018 23 | 30 | X | | | | | | | X | | | | | 4- wire | 115 230 | 50/ 60 | Orr and Sewbower special, IR type flame detector, low voltage controller. | | | |
| 26RJ8 1002 | None | Consult OEM for replacement | 30 | X | | | | | | | X | | | | | 3- wire | 115 230 | 50/ 60 | Cleaver Brooks special, 4 sec FFRT, IR type flame detector, low voltage controller. | | | |
| 26RJ8 1003 | None | RM7840G1014 or RM7800G1018 23 | 30 | X | | | | | | | X | | | | | 3- wire | 115 230 | 50/ 60 | North America special, 4 sec FFRT, IR type flame detector, low voltage controller. | | | |
| 26RJ8 1004 | None | RM7840G1014 or RM7800G1018 23 | 30 | X | | | | | | | X | | | | | 3- wire | 115 230 | 50/ 60 | 4 sec FFRT, IR type flame detector, B&W FM boiler special, vacuum tube circuitry. | | | |

See footnotes on page 36.

Table 7. FIREYE™ TO HONEYWELL PROGRAMMER CROSS REFERENCE. (Continued)

| Device to be Replaced | Current Replacement 1 2 4 | Prepurge | | | | | Interlocks | | | | | | Voltage | Modulation | Postpurge | Spark Term | MFEF | INTR Pilot | INTM Pilot | PFEP | Frequency | Comments | | |
|--|--|----------|----------------|------|---------|---------|------------|---------|---------|-------------|---------|---------|---------|------------|-----------|------------|-----------|------------|------------|------|-----------|-------------------|--|---|
| | | Timing | Lo-Fire On-Off | Type | | | Start | Running | Lockout | Preignition | Hi-fire | Lo-fire | | | | | | | | | | | | |
| | | | | LHL | LHL PRV | OP Damp | | | | | | | | | | | | | | | | | | |
| 26RJ8 1005 | None or RM7800M1011 23 | 30 | | | | X | X | | | | | | | | 60 | | 10 | X | 10 | | 50/ 60 | 115 230 | | 4 sec FFRT, IR type flame detector, B&W FM boiler special, vacuum tube circuitry. |
| 26RJ8 1006 | None or RM7800G1014 or RM7800G1018 23 | 30 | X | | | X | X | | | | | | | | 30 | 3-wire | 15 | X | 10 | | 50/ 60 | 115 230 | | 4 sec FFRT, IR type flame detector, low voltage controller, vacuum tube circuitry. |
| 26RJ8 1008 | None or RM7840G1014 or RM7800G1018 23 | 30 | X | | | X | X | | | | | | | | 15 | 3-wire | 15, 60 | X | 10 | | 50/ 60 | 115 230 | | 4 sec FFRT, IR type flame detector, low voltage controller, vacuum tube circuitry. |
| 26RJ8 1009 | None or RM7840M1017 or RM7800M1011 23 | 30 | | | | X | X | | | | | | | | 60 | | 10, 15 | X | 10 | | 50/ 60 | 115 230 | | 4 sec FFRT, IR type flame detector, low voltage controller, vacuum tube circuitry. |
| 26RJ8 1011 | None or RM7840G1014 or RM7800G1018 23 | 0 | X | | | X | X | | | | | | | | 30 | 3-wire | 10, 55 | X | 10 | | 50/ 60 | 115 230 | | North America special, IR type flame detector, low voltage controller, vacuum tube circuitry. |
| 26RJ8 1012 26RJ8 1012T | None or RM7840G1014 or RM7800G1018 23 | 35 | | | | | | | | | | | | | 25 | 4-wire | 15 | X | 10 | | 50/ 60 | 115 230 | | North America special, dual IR type flame detectors, vacuum tube circuitry. |
| 26RJ8 1016 26RJ8 1016T | None or RM7840G1014 or RM7800G1018 23 | 65 | | | | | | | | | | | | | 10 | 4-wire | 15 | X | 10 | | 50/ 60 | 115 230 | | 1 sec FFRT, dual IR type flame detectors, vacuum tube circuitry. |
| 26RJ8 1018 | None or RM7840G1014 or RM7800G1018 23 | 45 | X | | | X | X | | | | | | | | 15 | 4-wire | 15, 30 | X | 10 | | 50/ 60 | 115 230 | | 2-4 sec FFRT, IR type flame detectors, low voltage controller, vacuum tube circuitry. |
| 26RJ8 1114, 26RJ8 1115, 26RJ8 5914 | None | 45 | X | | | X | X | | | | | | | | 15 | 4-wire | 5, 30 | X | 10 | | 50/ 60 | 120 208 240 | | U.S. Navy special, no replacement available, voltage controller, vacuum tube circuitry. |

See footnotes on page 36.

Table 7. FIREYE™ TO HONEYWELL PROGRAMMER CROSS REFERENCE. (Continued)

| Device to be Replaced | Current Replacement 1 2 4 | 7800 Series Replacement 1 2 3 6 12 13 20 23 32 33 | Prepurge | | | | Interlocks | | | | | | INTR Pilot | MFEF | Spark Term | Postpurge | Modulation | Voltage | Frequency | Comments |
|-----------------------|------------------------------|---|----------|----------------|------|---------|------------|---------|---------|-------------|---------|---------|------------|------|------------|------------|-------------------|-----------|---|----------|
| | | | Timing | Lo-Fire On-Off | Type | | | Running | Lockout | Preignition | Hi-fire | Lo-fire | | | | | | | | |
| | | | | | LHL | LHL PRV | OP Damp | | | | | | | | | | | | | |
| 26RJ8 6008 | None | RM7840G1014 or RM7800G1018 23 | 35 | X | | | | | | X | X | | | | 15 | 3- wire | 120 208 240 | 60 | 1-4 sec FFRT, IR type flame detector, low voltage controller, vacuum tube circuitry. | |
| 26RJ8 6009 | None | RM7840M1017 or RM7800M1011 23 | 35 | | | X | | | | X | | | | | 15 | 55 | 55 | 50/ 60 | B&W FM boiler special, 1-4 sec FFRT, IR type flame detector, low voltage controller, vacuum tube circuitry. | |
| 26RJ8 6012 | None | RM7840G1014 or RM7800G1018 23 | 35 | X | | | | | | X | | | | | 15 | 30 | 30 | 50/ 60 | 1-4 sec FFRT, dual IR type flame detectors, low voltage controller, vacuum tube circuitry. | |
| 26RJ8 6016 | None | RM7840G1014 or RM7800G1018 23 | 65 | | | | | | | X | | | | | 15 | 15 | 15 | 50/ 60 | 1-4 sec FFRT, dual IR type flame detectors, low voltage controller, vacuum tube circuitry. | |
| 26RJ8 6018 | None | RM7840G1014 or RM7800G1018 23 | 45 | X | | | | | | X | | | | | 15 | 30 | 30 | 50/ 60 | 1-4 sec FFRT, IR type flame detector, low voltage controller, vacuum tube circuitry. | |
| 26RJ8 6026 | None | | 60 | X | | | | | | X | | | | | 15 | | | 60 | 1-4 sec FFRT, IR type flame detector, low voltage controller, special for air heaters | |
| 26RJ8 6058 | None | RM7840G1014 or RM7800G1018 23 | 35 | X | | | | | | X | | | | | 15 | 55 | 55 | 60 | 1-4 sec FFRT, IR type flame detector, vacuum tube circuitry. | |
| 26RJ8 6060 | None | RM7840L1018 or RM7800G1018 23 | 60 | X | | | | | | X | | | | | 10 | 30 | 30 | 50/ 60 | 1-4 sec FFRT, IR type flame detector, vacuum tube circuitry. | |
| 26RJ8 6066 | None | RM7840G1014 or RM7800G1018 23 | 30 | | | | | | | X | | | | | 15 | 25 | 25 | 50/ 60 | 1-4 sec FFRT, IR type flame detector, vacuum tube circuitry. | |

See footnotes on page 36.

Table 7. FIREYE™ TO HONEYWELL PROGRAMMER CROSS REFERENCE. (Continued)

| Device to be Replaced | Current Replacement 1 2 4 | 7800 Series Replacement 1 2 3 6 12 13 20 23 32 33 | Prepurge | | | | Interlocks | | | | | | Voltage | Frequency | Comments | | | | | | | | |
|-----------------------|------------------------------|---|----------|----------------|-----|---------|------------|-------|---------|---------|-------------|---------|---------|-----------|----------|---------|------|-------------------|------------|------------|------------|-----------|--|
| | | | Timing | Lo-Fire On-Off | LHL | LHL PRV | OP Damp | Start | Running | Lockout | Preignition | Hi-Fire | | | | Lo-Fire | PFEF | INTM Pilot | INTR Pilot | MFEF | Spark Term | Postpurge | Modulation |
| 26RJ8 6068 | None | RM7840G1014 or RM7800G1018 23 | 45 | X | | | | | | X | X | | | | | 10 | X | 15, 30 | 15 | 4- wire | 120 | 60 | 1-4 sec FFRT, IR type flame detector, vacuum tube circuitry, for Canada. |
| 26RJ8 6070 | None | RM7840L1018 or RM7800L1012 23 | 65 | | X | | | | | X | X | | X | | | 10 | X | 15, 30 | 15 | 4- wire | 120 | 60 | 1-4 sec FFRT, IR type flame detector, vacuum tube circuitry. |
| 26RJ8 6080 | None | RM7840L1018 or RM7800G1018 23 | 45 | | X | | | | | | X | | X | | | 10 | X | 10, 15, 30 | 20 | 4- wire | 120 | 50/ 60 | 1-2 sec FFRT, IR type flame detector, vacuum tube circuitry. |
| 26RJ8 6160 | None | RM7840L1018 or RM7800G1018 23 | 60 | X | | | | | | X | X | | X | | | 7 | X | 10, 30 | 20 | 4- wire | 120 | 50/ 60 | 1-4 sec FFRT, IR type flame detector, vacuum tube circuitry. |
| 26RJ8 CB-1 | Consult OEM | | 45 | X | | | | | | X | X | | | | | 10 | X | 15 | 15 | 4- wire | 120 | 50/ 60 | Cleaver Brooks special, IR type flame detector, low voltage controller. |
| 26RJ8 CB-3 | Consult OEM | | 45 | | X | | | | | | | X | X | | | 10 | X | "10, 15, 30 | "20 | 4- wire | 120 | 50/ 60 | Cleaver Brooks special, IR type flame detector, low voltage controller. |
| 29RF5 1000 | None | RM7840G1014 or RM7800G1018 23 | 15 | X | | | | | | X | X | | | | | 5 | X | 10 | 15 | | 115 230 | 50/ 60 | 1-4 sec FFRT, IR type flame detector, low voltage controller, vacuum tube circuitry. |
| 29RF5 1001 | None | RM7840G1014 or RM7800G1018 23 | 25 | X | | | | | | X | X | | | | | 7 | X | 13 | 15 | | 115 230 | 50/ 60 | 1-4 sec FFRT, IR type flame detector, low voltage controller, vacuum tube circuitry. |
| 29RF5 1002 | None | RM7840G1014 or RM7800G1018 23 | 15 | X | | | | | | X | X | | | | | 5 | X | 15 | 15 | | 115 230 | 50/ 60 | 1-4 sec FFRT, IR type flame detector, low voltage controller, vacuum tube circuitry. |

See footnotes on page 36.

Table 7. FIREYE™ TO HONEYWELL PROGRAMMER CROSS REFERENCE. (Continued)

| Device to be Replaced | Current Replacement 1 2 4 | Prepurge | | | | Interlocks | | | | | | Voltage | Modulation | Postpurge | Spark Term | MFEP | INTR Pilot | INTM Pilot | PFEP | Comments | | |
|-----------------------|------------------------------|--|----------------|------|---------|------------|---------|---------|-------------|---------|---------|---------|------------|-----------|------------|------|------------|------------|-----------|------------|--|--|
| | | Timing | Lo-Fire On-Off | Type | | | Running | Lockout | Preignition | Hi-fire | Lo-fire | | | | | | | | | | | |
| | | | | LHL | LHL PRV | OP Damp | | | | | | | | | | | | | | | | |
| 29RF5 1005 | None | RM7840G1014 or RM7800G1018 23 | 15 | | | | | | | | X | | | 15 | | | | X | 5, 10 | 50/ 60 | | 2-4 sec FFRT, IR type flame detector, low voltage controller, vacuum tube circuitry. |
| 29RF5 1009 | None | RM7840G1014 or RM7800G1018 23 | 25 | X | | | | | | | X | | | 15 | | | | X | 7 | 50/ 60 | | 1-4 sec FFRT, IR type flame detector, low voltage controller, vacuum tube circuitry. |
| 29RF5 1015 | None | RM7840G1014 or RM7800G1018 23 | 15 | | | | | | | | X | | | 15 | 2- wire | | | X | 5, 10 | 50/ 60 | | 2-4 sec FFRT, IR type flame detector, low voltage controller, vacuum tube circuitry. |
| 29RF5 1103 | None | | 15 | X | | | | | | | X | | | 15 | | | | X | 5 | 50/ 60 | | Military special, IR type flame detector, low voltage controller, vacuum tube circuitry. |
| 29RF5 1104 | None | RM7840G1014 or RM7800G1018 23 | 5 | X | | | | | | | X | | | 15 | | | | X | 5 | 50/ 60 | | A.E.C. Kiins special, IR type flame detector, low voltage controller, vacuum tube circuitry. |
| 29RF5 6009 | None | RM7840G1014 or RM7800G1018 23 | 25 | X | | | | | | | X | | | 15 | | | | X | 7 | 60 | | 1-4 sec FFRT, IR type flame detector, low voltage controller, vacuum tube circuitry. |
| 29RF5 6015 | None | RM7840G1014 or RM7800G1018 23 | 18 | X | | | | | | | X | | | 12 | | | | X | 50, 10 | 60 | | 1-4 sec FFRT, IR type flame detector, low voltage controller, vacuum tube circuitry. |
| 29RF5 6103 | None | | | | | | | | | | | | | | | | | | | | | Military special, IR type flame detector, vacuum tube circuitry. |
| D10-5016 | None | RM7840L1018 or RM7800L1012 23 | 60 | | X | | | | | | | | | 15 | 4- wire | | | X | 10 | 50/ 060 | | 4 sec FFRT, rectification type flame detector, solid state circuitry. |

See footnotes on page 36.

Table 7. FIREYE™ TO HONEYWELL PROGRAMMER CROSS REFERENCE. (Continued)

| Device to be Replaced | Current Replacement 1 2 4 | Prepurge | | | | Interlocks | | | | | | Voltage | Modulation | Postpurge | Spark Term | MFEF | INTR Pilot | INTM Pilot | PFEP | Frequency | Comments |
|-----------------------|--|----------|----------------|------|---------|------------|---------|---------|-------------|---------|---------|---------|------------|-----------|------------|------|------------|------------|------|-----------|--|
| | | Timing | Lo-Fire On-Off | Type | | Start | Running | Lockout | Preignition | Hi-fire | Lo-fire | | | | | | | | | | |
| | | | | LHL | LHL PRV | | | | | | | | | | | | | | | | |
| D10-5022 | None or RM7800L1012 23 | 60 | | X | | | | | X | X | X | X | 10 | X | 10, 15 | X | 15 | 4-wire | 120 | 50/60 | 4 sec FFRT, IR type flame detector, auto check amplifier, solid state circuitry. |
| D10-5065 | None or RM7840L1018 or RM7800L1012 23 | 60 | | X | | | | | X | X | X | X | 10 | X | 10, 15 | X | 15 | 4-wire | 120 | 50/60 | 4 sec FFRT, UV type flame detector, solid state circuitry. |
| D20-5015 | None or RM7840L1018 or RM7800L1012 23 | 60 | X | | | | | | | | | | 10 | X | 10, 15 | X | 15 | 4-wire | 120 | 50/60 | 4 sec FFRT, rectification type flame detector, solid state circuitry. |
| D20-5023 | None or RM7840L1018 or RM7800G1018 23 | 60 | LF PRV | | | X | | | X | | | | | X | 10, 15 | X | 15 | 4-wire | 120 | 50/60 | 4 sec FFRT, IR type flame detector, solid state circuitry. |
| D20-5066 | None or RM7840L1018 or RM7800L1012 23 | 60 | LF PRV | | | X | | | X | | | | | X | 10, 15 | X | 15 | 4-wire | 120 | 50/60 | 4 sec FFRT, UV type flame detector, solid state circuitry. |
| D30-5010 | None or RM7840M1017 23 | 30 | | | | | | X | X | | | | | X | 10 | X | 15 | | 120 | 50/60 | 4 sec FFRT, rectification type flame detector, solid state circuitry." |
| D30-5011 | None or RM7840L1018 or RM7840M1017 | 90 | | | | | | X | X | | | | | X | 10 | X | 15 | | 120 | 50/60 | 4 sec FFRT, rectification type flame detector, solid state circuitry. |
| D30-5020 | None or RM7840L1018 or RM7840M1017 | 30 | | | | | | X | X | | | | | X | 10 | X | 15 | | 120 | 50/60 | 4 sec FFRT, IR type flame detector, solid state circuitry. |
| D30-5021 | None or RM7840L1018 or RM7840M1017 | 90 | | | | | | X | X | | | | | X | 10 | X | 15 | | 120 | 50/60 | 4 sec FFRT, IR type flame detector, solid state circuitry. |
| D30-5062 | None or RM7840L1018 or RM7840M1017 | 30 | | | | | | X | X | | | | | X | 10 | X | 15 | | 120 | 50/60 | 4 sec FFRT, IR type flame detector, solid state circuitry. |

See footnotes on page 36.

Table 7. FIREYE™ TO HONEYWELL PROGRAMMER CROSS REFERENCE. (Continued)

| Device to be Replaced | Current Replacement 1 2 4 | 7800 Series Replacement 1 2 3 6 12 13 20 23 32 33 | Prepurge | | | | Interlocks | | | | | | PFEF | INTM Pilot | INTR Pilot | MFEF | Spark Term | Postpurge | Modulation | Voltage | Frequency | Comments |
|-----------------------|------------------------------|---|----------|----------------|------|---------|------------|---------|---------|-------------|---------|----------|------|------------|------------|------|------------|------------|------------|-----------|---|----------|
| | | | Timing | Lo-Fire On-Off | Type | | | Running | Lockout | Preignition | Hi-fire | Lo-fire | | | | | | | | | | |
| | | | | | LHL | LHL PRV | OP Damp | | | | | | | | | | | | | | | |
| D30-5063 | None | RM7840L1018 or RM7840M1017 | | | | | | | | | | 7 | X | X | 10 | X | 15 | | 120 | 50/ 60 | 4 sec FFRT, IR type flame detector, solid state circuitry. | |
| EP160 | None | RM7800L1012 | | | X | | | | X | X | X | 10 | X | | | | 15 | 4- wire | 120 | 50/ 60 | 4 sec FFRT, rectification type flame detector, solid state circuitry. | |
| EP161 | None | RM7800L1012 | | | X | | | | X | X | X | 10 | X | | | | 15 | 4- wire | 120 | 50/ 60 | 4 sec FFRT, IR type flame detector, solid state circuitry. | |
| EP170 | None | RM7800L1012 | | | X | | | | X | X | X | 5, 10 | X | X | | | 15 | 4- wire | 120 | 50/ 60 | 4 sec FFRT, UV type flame detector, solid state circuitry. | |
| EP260 | None | RM7800G1018 | | X | | | | | X | X | X | 10 | X | | | | 15 | 4- wire | 120 | 50/ 60 | 4 sec FFRT, rectification type flame detector, solid state circuitry. | |
| EP261 | None | RM7800G1018 | | X | | | | | X | X | X | 10 | X | | | | 15 | 4- wire | 120 | 50/ 60 | 4 sec FFRT, IR type flame detector, solid state circuitry. | |
| EP270 | None | RM7800G1018 | | X | | | | | X | X | X | 5, 10 | X | X | | | 15 | 4- wire | 120 | 50/ 60 | 4 sec FFRT, UV type flame detector, solid state circuitry. | |
| EP380 | None | RM7800M1011 | | | | | | | X | X | X | 10 | X | | | | 15 | | 120 | 50/ 60 | 4 sec FFRT, rectification type flame detector, solid state circuitry. | |
| EP381 | None | RM7800M1011 | 15 | | | | | | X | X | X | 5, 10 | X | | | | 15 | | 120 | 50/ 60 | 4 sec FFRT, rectification type flame detector, solid state circuitry. | |
| EP390 | None | RM7800M1011 | 90 | | | | | | X | X | X | 5, 10 | X | | | | 15 | | 120 | 50/ 60 | 4 sec FFRT, IR type flame detector, solid state circuitry. | |

See footnotes on page 36.

FOOTNOTES:

- 1 Refer to Modernization Wiring Information for conversion wiring information.
- 2 Refer to Modernization Programmer Selection section for proper subbase, amplifier and flame detector.
- 3 15 second postpurge.
- 4 Replacement is 120 Vac, 50/60 Hz.
- 5 42 second prepurge.
- 6 See Series ST7800A Plug-in Timers for prepurge timings available.
- 7 10 second PFEP.
- 8 96 second prepurge.
- 9 16 second postpurge.
- 10 4-wire modulation.
- 11 10, 15 second MFEP.
- 12 RM7840G,M meets current UL requirements.
- 13 RM7840L meets current insurance requirements.
- 14 70 second prepurge.
- 15 10, 30, or 60 second MFEP.
- 16 60 second prepurge.
- 17 10, 15, or 30 second MFEP.
- 18 10 second MFEP.
- 19 25 second postpurge.
- 20 4 or 10 second PFEP.
- 21 30 second prepurge.
- 22 40 second prepurge.
- 23 With display module.
- 24 Existing Fireye™ UV Sensors must be replaced with a Honeywell C7027A1080.
- 25 Running interlocks become lockout interlocks after main valve opens.
- 26 30 or 90 second prepurge.
- 27 5 second PFEP on terminal 6.
- 28 Available from proprietary OEM only.
- 29 5 second trial for ignition on terminal 6.
- 30 Early spark termination.
- 31 EP100, EP200 Series, add a 30 second waiting period after prepurge while motor is driving to low fire position for a total prepurge of 60 seconds.
- 32 Select proper flame amplifier.
- 33 Requires Q7800A or Q7800B Wiring Subbase.

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