

Wiring Cross Reference

HONEYWELL R4140L1022 / CB40 (833-2201)
 TO YB110xx¹, BLL510, YP100, 60-2814-1.
¹Refer to Amplifier and Scanner Reference Guide

| Honeywell | Function | Fireye | |
|-----------|---|---------|--------|
| L1 | Hot – 120 VAC | L1 | |
| L2 | Ground – Neutral | L2 | |
| F | Scanner | S1 | |
| G | Scanner | S2 | |
| L1 – 3 | Operating Control | L1 – 3 | |
| 3 - 4 | Pre-Ignition Interlocks Fuel Valve Interlock | L1 – 13 | Note 1 |
| 4 – 12 | Running Interlocks (Air Flow Switch) | 3 – P | |
| 5 | 10 Sec – Interrupted Pilot | 5 | |
| 6 | 15 Sec – Interrupted Pilot | 6 | |
| 7 | Main Fuel Valve | 7 | |
| 8 | Blower Motor | M | |
| 14 – 15 | Low Fire Start Switch | M – D | Note 2 |
| 15 – 8 | High Fire Start Switch | M – 8 | Note 3 |
| 9 | Alarm | A | |
| | Modulation Circuit | | |
| 13 | High Fire | X | |
| 10 | Common | 10 | |
| 11 | Auto | 11 | |
| 16 | Low Fire | 12 | |

| | |
|--------|--|
| Note 1 | Identify and isolate indicate switch and rewire to appropriate Fireye terminals. |
| Note 2 | Move low fire start switch wire from Honeywell terminal 15 to Fireye terminal M, and move low fire start switch wire from Honeywell terminal 14 to Fireye terminal D. |
| Note 3 | Move high fire start switch wire from Honeywell terminal 15 to Fireye terminal M, and move high fire start switch wire from Honeywell terminal 8 to Fireye terminal 8. |

Refer to Bulletin BL-1001 for correct amplifier selection, proper installation, grounding, operational and safety checkout procedures. Perform safety checks of the entire system prior to allowing fuel entry into boiler. Complete safety checks, flame signal levels, minimum pilot tests with fuel on.