

Wiring Cross Reference

HONEYWELL R4140L1147
 TO YB110xx¹, BLL510, YP100, 60-2814-1 (See Notes 2 and 3).
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 – 4	Operating Control	L1 – 3	
4 - 16	Pre-Ignition Interlocks Fuel Valve Interlock	L1 – 13	Note 1
16 – 3	Running Interlocks (Air Flow Switch)	3 – P	
5	10 Sec – Interrupted Pilot	5	
6	15 or 30 Sec – Interrupted Pilot	6	Note 2
18	5 Sec – Early Spark Termination	5	Note 3
7	Main Fuel Valve	7	
8	Blower Motor	M	
8 – 13	Low Fire Start Switch	M – D	Note 4
15 – 8	High Fire Start Switch	M – 8	Note 4
9	Alarm	A	
	Modulation Circuit		
10	High Fire	X	
11	Common	10	
12	Auto	11	
14	Low Fire	12	

Note 1	Identify and isolate indicated switch and rewire to appropriate Fireye terminals.
Note 2	The R4140L1147 provides a 15 or 30 second (field selectable) MTFI timing on terminal 6. 15 sec without jumper, 30 sec with jumper. Set timing for terminal 6 in PROGRAM SETUP sub-menu.
Note 3	If terminal 18 (early spark termination) is used, set timing for terminal 5 in PROGRAM SETUP sub-menu.
Note 4	Move high fire start switch wire from Honeywell terminal 8 to Fireye terminal M.

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.