

Wiring Cross Reference

TO CONVERT HONEYWELL R4150G1046
TO YB110xx¹, BLL510, YP200 (See Note 4), and 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 – 16	Operating Control	L1 – 3	See Note 1
16 - 4	Pre-Ignition Interlocks (Fuel Valve Interlock)	L1 – 13	See Note 1
16 – 3	Running Interlocks (Air Flow Switch)	3 – P	See Note 1
5	9 Sec – Interrupted Pilot	5	See Note 2
6	Intermittent Pilot	6	See Note 3
7	Main Fuel Valve	7	
8	Blower Motor	M	
8 – 13	Low Fire Start Switch	M – D	
9	Alarm	A	
	Modulation Circuit		
10	High Fire	X	
11	Common	10	
12	Auto	11	

Note 1	Terminal 16 on the Honeywell wiring base is used as a tie point only. Identify and isolate the appropriate wires to the operating control, fuel valve end switch, and running interlocks.
Note 2	The R4150G1046 has a 9 second PTFI and MTFI on terminal 5. The YP200 has a 10 second PTFI and MTFI on terminal 5. Set PROGRAM SETUP sub-menu.
Note 3	If intermittent pilot is required, set terminal 6 to intermittent operation through PROGRAM SETUP sub-menu.
Note 4	PROGRAM SETUP sub-menu provides purge time adjustment.

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.