

Wiring Cross Reference

TO CONVERT HONEYWELL **R4150A1056**
TO **YB110xx**¹, **BLL510**, **YP300** (See Note 5), 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
10 – 11	Running Interlocks (Air Flow Switch)	3 – P	See Note 2
5	10 Sec Ignition	X	See Note 3
6	Interrupted Pilot	6	See Note 3
7	Main Fuel Valve	7	
8	Blower Motor	M	
N/A	Low Fire Start Switch	M – D	See Note 4
9	Alarm	A	

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 air flow switch on the R4150A may be wired between terminals 16 and 3.
Note 3	R4150A provides a 10 second PTFI on terminals 5 and 6, followed by a 5 second pilot stabilization period (terminal 5 off). The YP300 provides a 5 second PTFI on terminal X and a 10 sec PTFI on terminal 6. Terminal 5 must be jumped to terminal 10 to use terminal X.
Note 4	The R4150A does not have a low fire start switch.
Note 5	Use PROGRAM SETUP sub-menu to set terminal 6 to interrupted operation.

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.