

Wiring Cross Reference

TO CONVERT HONEYWELL R4150G1012
TO E110, ED510, EP270 (See Note 4), and 60-1386-2
Refer 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 – 13	See Note 1
16 - 4	Pre-Ignition Interlocks (Fuel Valve Interlock)	13 – 3	See Note 1
16 – 3	Running Interlocks (Air Flow Switch)	3 – P	See Note 1
5	9 Sec – Interrupted Pilot	6	See Note 2
6	Intermittent Pilot	6	See Note 3
11	Early Spark Ignition Xfmr	5	
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	
	Common	10	Note 5
	Low	12	Unused
	Auto	11	Note 5

- 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 R4150G1012 has a 15 second PTFI. The EP270 has a 10 second PTFI on terminal 6 and 15 second MTFI. The EP270 has early spark termination on terminal 5.
- Note 3 If the intermittent pilot is required, use an external relay whose coil is powered from terminal 7 and wire its normally open relay contacts between terminal 7 and terminal 6.
- Note 4 Set purge time via dipswitches to 60 seconds on EP270
- Note 5 Connect terminal 13 to terminal 10, jumper terminal X to 11

Refer to Bulletin E-1101 for 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.