

# Wiring Cross Reference

HONEYWELL R4140L1097 (with heavy duty cover)  
 TO E110, ED510, EP160, 60-1386-2 (See Note 1).  
 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 – 4	Operating Control	L1 – 13	
4 - 16	Pre-Ignition Interlocks Fuel Valve Interlock	13 – 3	
16 – 3	Running Interlocks (Air Flow Switch)	3 – P	
5	10 Sec – Interrupted Pilot	5	
6	15 Sec – Interrupted Pilot	6	
18	5 Sec – Early Spark Termination	5	See Note 1
7	Main Fuel Valve	7	
8	Blower Motor	M	
8 – 13	Low Fire Start Switch	M – D	
8 – 15	High Fire Start Switch	D - 8	See Note 2
9	Alarm	A	
<b>Modulation Circuit</b>			
10	High Fire	X	
11	Common	10	
12	Auto	11	
14	Low Fire	12	

Note 1 If terminal 18 (early spark termination) is used, use **EP170** programmer.

Note 2 Move high fire start switch wire from Honeywell terminal 8 to Fireye terminal D.

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.