

# Wiring Cross Reference

TO CONVERT HONEYWELL GP101 (R4140M1079)  
TO E110, ED510, EP390, 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 - 13	Operating Control	L1 – 13	See Note 1
13 - 3	Pre-Ignition Interlocks (Fuel Valve Interlock)	13 – 3	See Note 1
3 - P	Running Interlocks (Air Flow Switch)	3 – P	See Note 1
18	5 sec Early Spark Termination	X	See Note 2
5	10 sec Interrupted Pilot	5	
6	Intermittent Pilot	6	See Note 3
7	Main Fuel Valve	7	
M	Blower Motor	M	
	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 To use terminal X, jumper terminal 5 to terminal 10 and terminal 10 to L1.
- Note 3 On the 4140M-1079, terminal 6 is energized 5 seconds after terminals 18 and 5 are energized. Terminal 5 (honeywell) energized for a total of 25 seconds. On the Fireye, terminal 6 is energized at the same time as terminals X and 5. Terminal 5 energized for a total of 20 seconds.

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.