

Wiring Cross Reference

TO CONVERT HONEYWELL R4140M1103 / R4140M1111
TO E110, ED510, EP380 or EP161 (see Note 3, 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 1,2
5	10 sec Interrupted Pilot	5	
6	10 or 30 sec interrupted pilot	6	See Note 3
7	Main Fuel Valve	7	
8	Blower Motor	M	
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 EP162 has a non-recycle operation on the 3 - P circuit. The EP380 has a selectable recycle or non-recycle operation on the 3 – P circuit.
- Note 3 The R4140M1103 and R4140M1111 provide a field selectable 10 second or 30 second MTFI timing on terminal 6. If set for 10 second MTFI, use EP380. If set for 30 sec MTFI, use EP162.
- Note 4 The EP161 has a modulating control circuit (terminals 10, 11, 12, and X) that are not used.

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.