Wiring Cross Reference

HONEYWELL **EC / RM7830A**
TO **E110, ED510, EP380** (See Note 5)**, 60-1386-2**
Refer to Amplifier and Scanner Reference Guide

Honeywell	Function	Fireye	
5	Hot – 120 VAC	L1	
N	Ground – Neutral	L2	
F	Scanner	S1	
G	Scanner	S2	
20 – 6	Operating Control	L1 – 13	
5 - 17	Pre-Ignition Interlocks Fuel Valve End Switch	13 – 3	
6 – 7	Running Interlocks (Air Flow Switch)	3 – P	
16 – 20	Lockout Input	N/A	See Note 1
10	3 or 5 Sec Ignition - Early Spark Termination	X	See Note 2
8	8 or 10 Sec PTFI, 3 or 5 sec MTFI – Interrupted Pilot	5	See Note 3
21	Intermittent Pilot	6	See Note 4
9	Main Fuel Valve	7	
4	Blower Motor	M	
N/A	Low Fire Start Switch	M – D	
3	Alarm	A	

Note 1   The EC/RM7830A provides a terminal for a lockout input, which must remain closed or the control will lock out.

Note 2   Fireye terminal X provides a 5 sec ignition timing. Fireye terminal 5 must be jumpered to terminal 10 for this function. Honeywell terminal 10 energized for 3 sec prior to energizing pilot fuel valve. Fireye terminal 5 energized with pilot fuel valve.

Note 3   Fireye terminal 5 provides a 10 sec PTFI timing and a 10 sec MTFI timing.

Note 4   Fireye Dipswitch 2 must be in the Down position for intermittent pilot on terminal 6.

Note 5   Fireye Dipswitch 1 must be in the Up position for non-recycle operation.