

# Wiring Cross Reference

HONEYWELL EC / RM7850A  
 TO E110, ED510, EP170, 60-1386-2  
 Refer to Amplifier and Scanner Reference Guide

Honeywell	Function	Fireye	
4	Hot – 120 VAC	L1	
N	Ground – Neutral	L2	
F	Scanner	S1	
G	Scanner	S2	
20 – 6	Operating Control	L1 – 13	
4 - 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	5	See Note 2
8	8 or 10 Sec PTFI, 3 or 5 sec MTFI – Interrupted Pilot	6	See Note 3
21	Intermittent Pilot	N/A	See Note 4
9	Main Fuel Valve	7	
5	Blower Motor	M	
4 – 18	Low Fire Start Switch	M – D	
4 – 19	High Fire Start Switch	D - 8	
3	Alarm	A	
<b>Modulation Circuit</b>			
12	High Fire	X	
13	Common	10	
14	Auto	11	
15	Low Fire	12	

- Note 1    The EC/RM7850A provides a terminal for a lockout input, which must remain closed or the control will lock out.
- Note 2    Fireye terminal 5 provides a 5 sec ignition timing. 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 6 provides a 10 sec PTFI timing and a 10 sec MTFI timing.
- Note 4    Intermittent pilot not available on EP170 programmer.