

Wiring Cross Reference

HONEYWELL EC / RM7850A
 TO YB110xx¹, BLL510, YP100, 60-2814-1
¹Refer 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 – 3	
4 - 17	Pre-Ignition Interlocks Fuel Valve End Switch	L1 – 13	
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	Open Damper Proving Switch	M - 8	
3	Alarm	A	
	Modulation Circuit		
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 5 second ignition timing. Honeywell terminal 10 energized for 3 sec prior to energizing pilot fuel valve. Fireye terminals 5 and 6 are energized simultaneously.
Note 3	Timings for terminals 5 and 6 can be selected through the PROGRAM SETUP sub-menu.
Note 4	Intermittent pilot operation for terminal 6 can be selected through the PROGRAM SETUP sub-menu.

Refer to Bulletin BL-1001 for correct amplifier selection, 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.