

# Wiring Cross Reference

HONEYWELL EC / RM7830A  
TO YB110xx<sup>1</sup>, BLL510, YP300 (See Note 5), 60-2814-1

<sup>1</sup>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 – 3	
5 - 17	Pre-Ignition Interlocks Fuel Valve End Switch	L1 – 13	Note 4
6 – 7	Running Interlocks (Air Flow Switch)	3 – P	
16 – 20	Lockout Input	N/A	Note 1
10	3 or 5 Sec Ignition - Early Spark Termination	X	Note 2
8	8 or 10 Sec PTFI, 3 or 5 sec MTFI – Interrupted Pilot	5	Note 3
21	Intermittent Pilot	6	
9	Main Fuel Valve	7	
4	Blower Motor	M	
N/A	Low Fire Start Switch	M – D	
3	<b>Alarm</b>	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 5 must be jumped to terminal 10 for 5 second early spark operation on terminal X.
Note 3	Fireye terminal 5 provides a 10 sec PTFI timing and a 10 sec MTFI timing.
Note 4	Identify and isolate indicate switch and rewire to appropriate Fireye terminals.
Note 5	Use PROGRAM SETUP sub-menu to set non-recycle operation.

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.