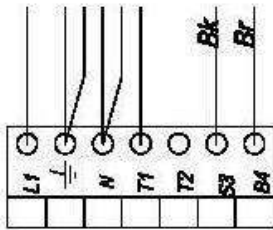


# Retro Fitting the Old FCX to a New Riello RDB Burner

By James Romersberger 9/30/12

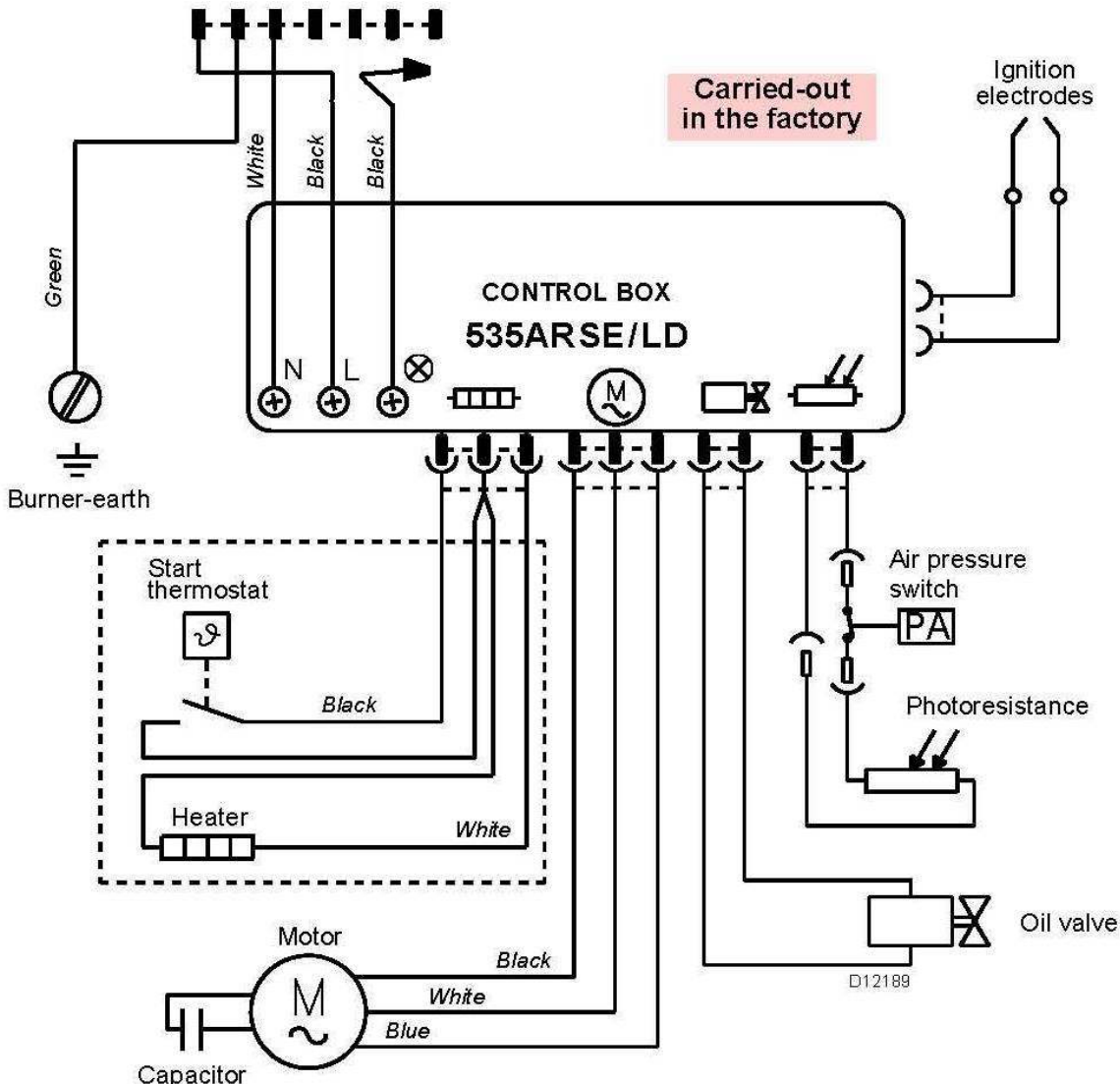
**FCX**  
Male connector Wieland 7 pts



The older FCX's that came with the Heat Wise burners use terminals S3 and B4 as wires that connect to a set of dry contactors in the Honeywell controller. On a burner fault, these wires activate a 24 V low voltage light through the transformer to light a red indicator light.

The new Riello burners provide this feature through a 120 V feed-back from the control box to S3. If this is not modified damage will occur.

The simplest solution to fix this is to modify the plug that connects to the Riello burner. Do this by removing the black



wire from the S3 terminal and isolate using a small wire nut. This will remove the functionality of this feature, but the burner has an indicator light built into the reset button. Leave the wire in the plug for future use.

To retain this feature you will have to replace the 24 V indicator light with a 120 V one, and rewire this feature in the FCX control panel.

The new FCX 22 comes with a 0.55 nozzle.

The older Monitor FCX's came with a 0.50 nozzle. While the burn chambers are exactly the same, improvements have been made to the condenser, so I recommend down sizing the nozzle.