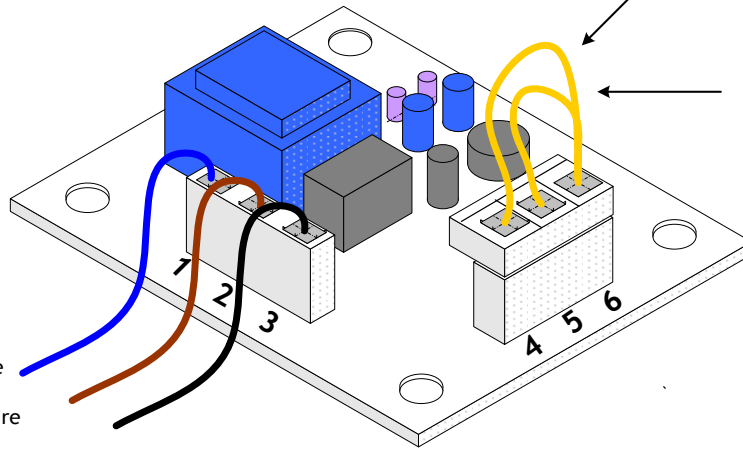


<b>LAARS HEATING SYSTEMS</b>	24 Volt Thermostat connection and relay PCB		
	This drawing is guide to show the connection of a standard 24 Volt Room Thermostat to operate the boiler.		
The installer must observe good electrical practices and all external wiring must comply to the National Electrical Code	Date 08-16-06	Drawn by <b>REW</b>	DWG NO <b>HT 24 Volt PCB</b>
	SCALE      Not to scale		SHEET      1 OF 1

To connect to a 24Vac room thermostat, remove the yellow (or Green on later versions) jumper from connections 4-6 and attach thermostat wire to the thermostat. The thermostat will be powered by the 24Vac transformer on the PCB. When there is a call from the room thermostat the relay on the PCB will operate and start the boiler.

To start the boiler from an external 24Vac source, remove both the yellow (or Green) jumpers and connect the external 24Vac supply to connections 4-5. When the PCB receives the 24Vac signal from the external source the relay on the PCB will operate and start the boiler.



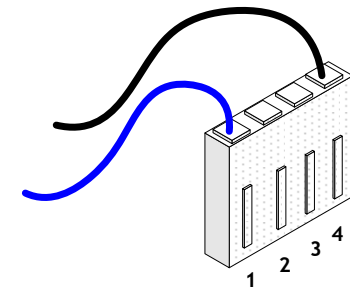
- #1= Blue wire
- #2= Brown wire
- #3= Black wire

These wires connected to the main PCB

**MASCOT HT PCB  
Molex connector X9**

Blue wire #1 on 24 volt relay PCB to #1 on X9 connector

Black wire #3 on 24 volt relay PCB to #4 on X9 connector



Brown wire #2 from 24 Volt relay card to #1 connection on "M1" connector

