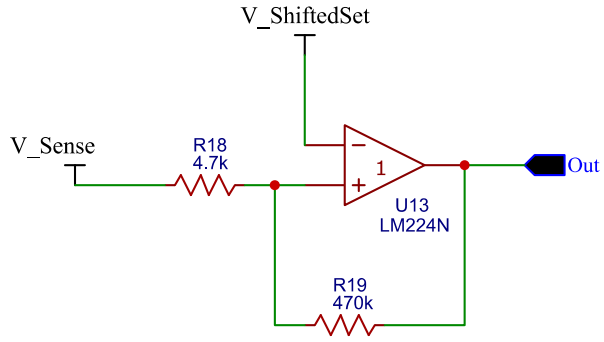
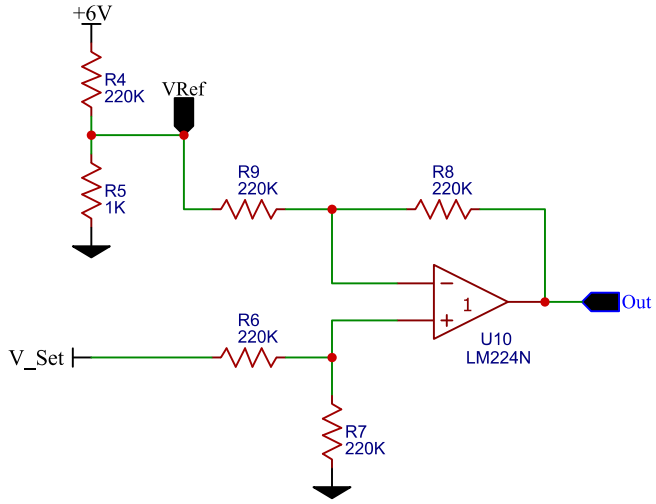
# Micro Air Conditioner

## Circuit – Designs

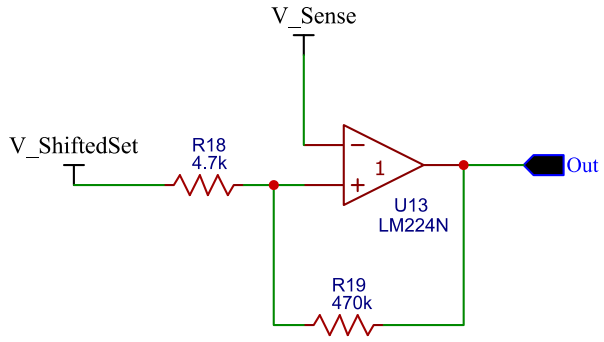
Cooler Comparison Amplifier:



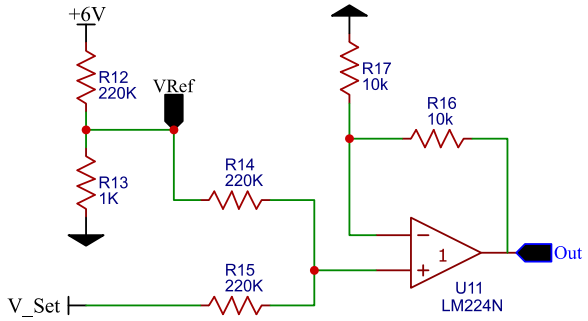

Cooler Differential Amplifier:



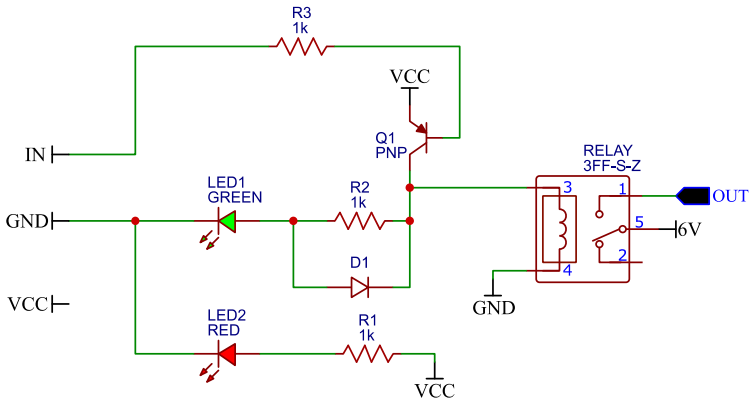

Heater Comparison Amplifier:



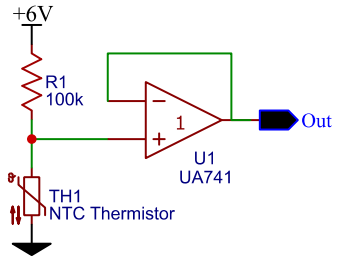
Heater Summing Amplifier:



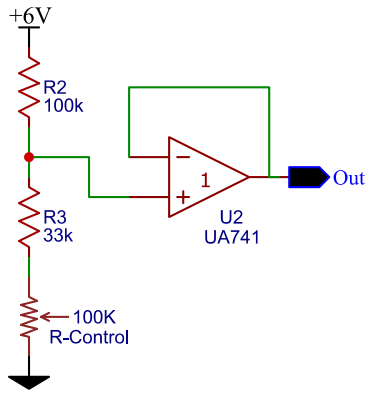

Relay Board Circuit:



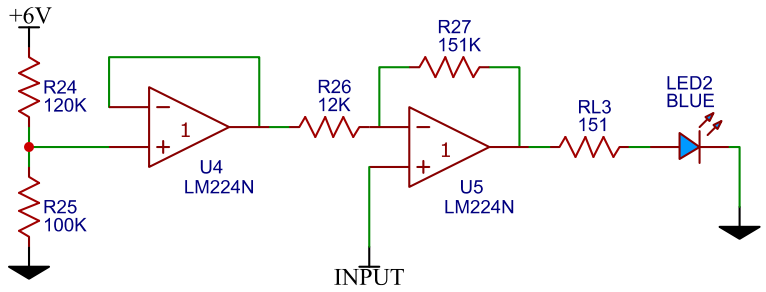

Sensing Unit:



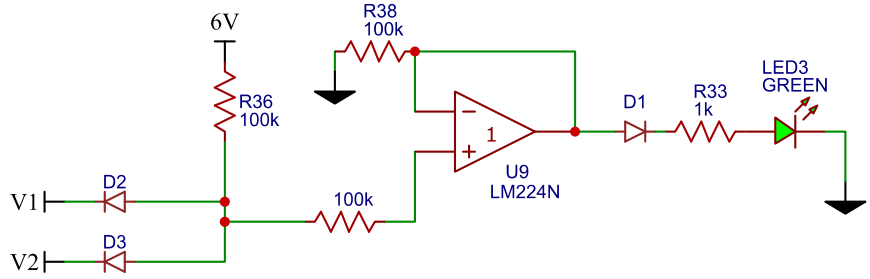

Set Unit:



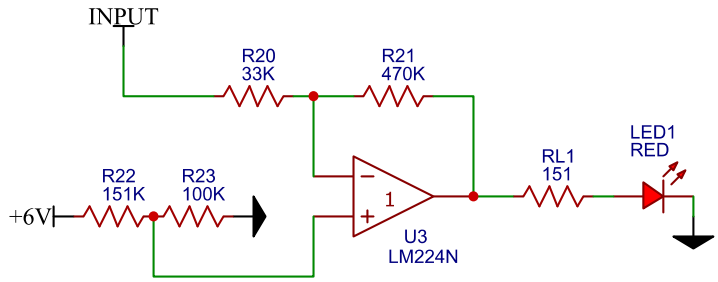
Display Unit (Blue) Circuit:




Display Unit (Green) Circuit:

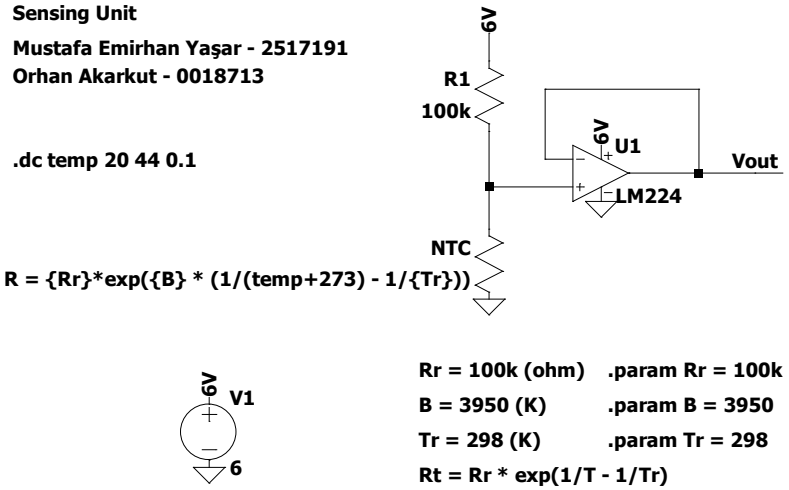



Display Unit (Red) Circuit:

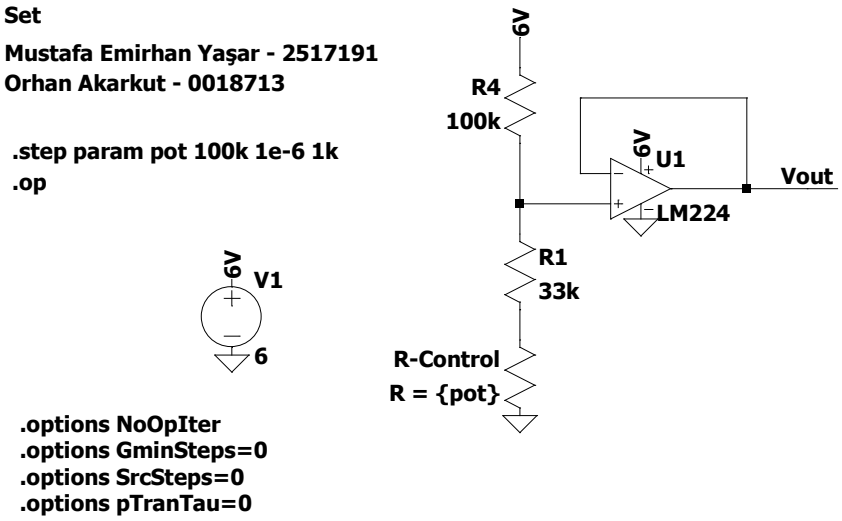


**LTSpice Circuits:**

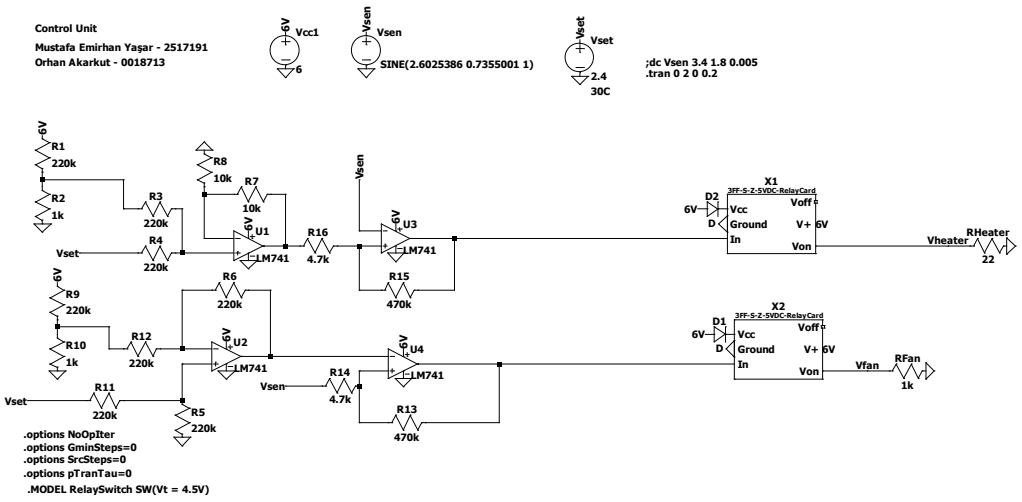
Sensing Unit:




Set Unit:



Control Unit:




Display Unit: