

Schematic diagram of the system

This represents the Schematic diagram of the system. The LCD shield is to display the current temperature and speed of the fan, but we can't use the circuit without LCD display. The LM35 temperature sensor and led are powered with 5V from the Arduino board. The Liquid Crystal Display that includes useful functions to use when an LCD is connected to the Arduino board.

The most important part is set to the variables temperature Minimum and temperature Maximum with the desired values. Temperature Minimum is the temperature the fan starts to spin and temperature Maximum is the temperature when the led lights warning that the maximum temperature was reached.

