

# Temperature Alarm Board

The temperature alarm board will read the temperature of the temperature sensor. If the temperature on the temperature sensor is higher of equal to the High limit then the high limit relay will switch on. If the temperature is lower or equal than the low limit then the low limit relay will switch on.

Figure 1 show the configuration tool. The configuration tool is used to program limits and read temperature. Plug board into RS232 of the PC. Start the configuration tool. Select the serial port used. Open the RS232 port. Program the temperature limits.

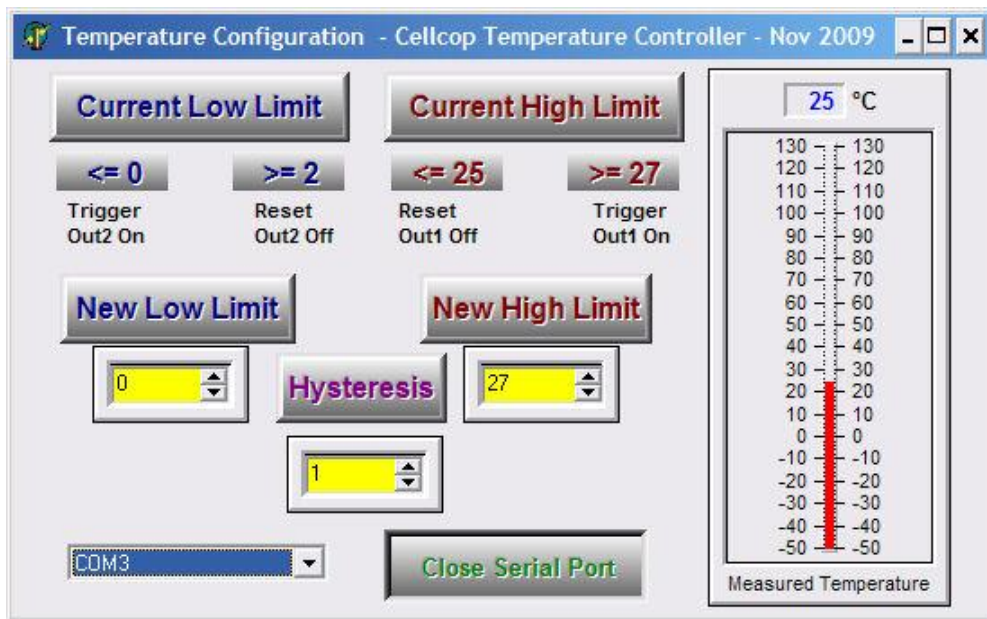


Figure 1: Configuration Tool

Example of how the output switch for the High Alarm

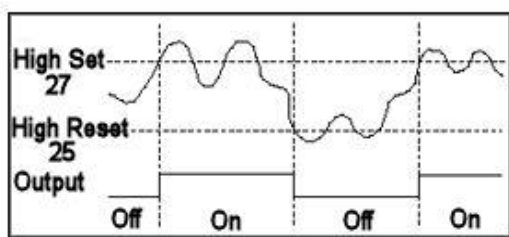


Figure 2: High Alarm Example

Example of how the output switch for the Low Alarm

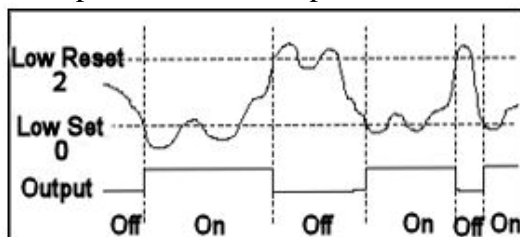


Figure 3: Low Alarm Example

Figure 4 Show the setup on the PCB. The board must be connected to a 9-15V DC power supply. A relay can be connector to the output. The temperature sensor cable can be extended to 50M. Polarity is important. Make sure that cables is not swapped it will damage the sensor. The sensor can be connected to a remote location using a 3 Core wire.

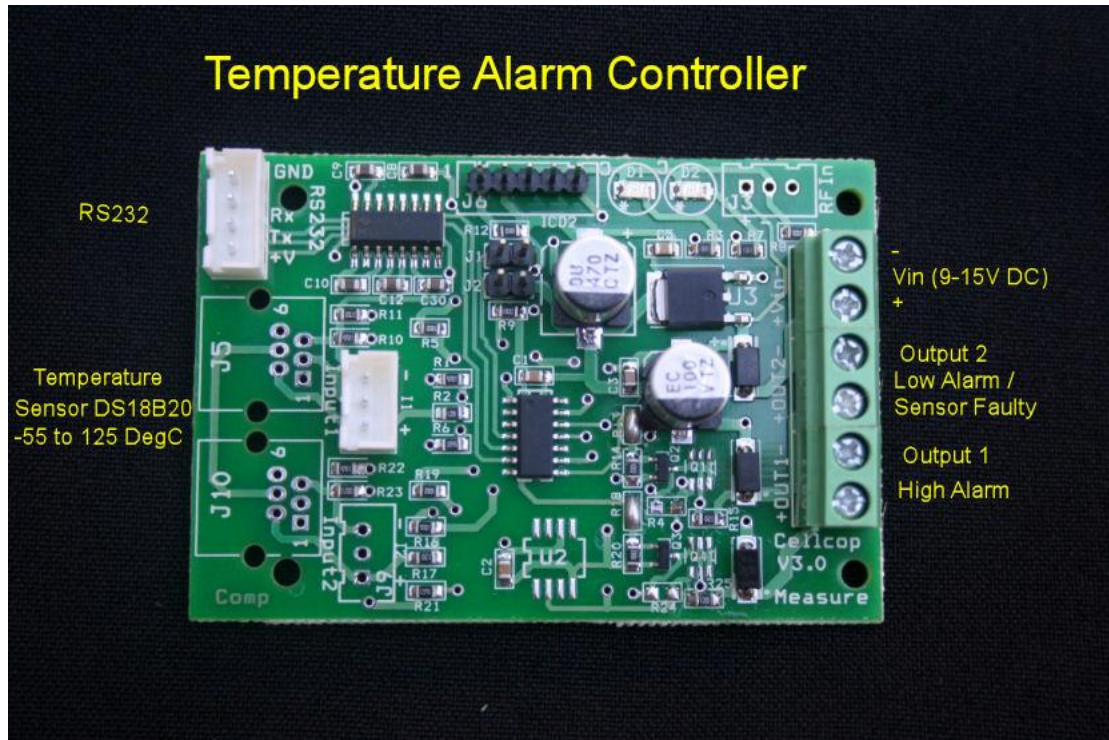


Figure 4:Temperature Alarm Controller



Temperature Sensor



Relay Board



Serial Cable