Controlling Light-and-Heat Condition of Clothes

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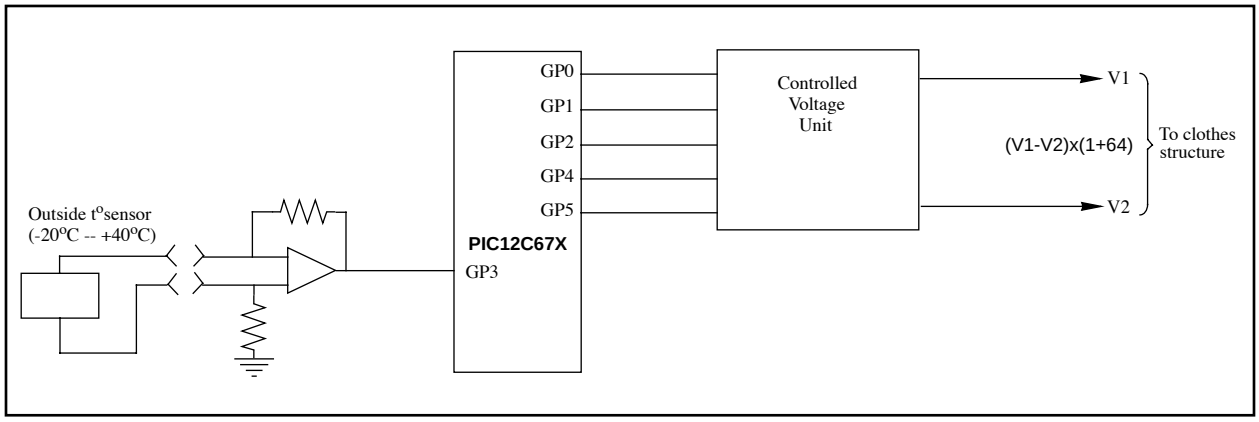
INTRODUCTION:

This idea is concerned with one hypothetical widget controlling light and heat conduction of human clothes. The main function of this unit is to maintain a constant temperature on the human body independently of the temperature of the outside environment and climatic seasons.

Through measuring the outside temperature by one well known t°sensor, the widget is controlling the light and heat condition in cloth's structure, produced from some type of the now existing liquid crystals materials.

By changing electrical field intensity, it is possible to change light (ultra spectrum) and heat (infra) condition.

The sketch of the idea is presented below:



Consumer Appliance, Widget, Gadget

The widget receives an input signal from the sensor's amp by ADC input-GP3 of the PICmicro™. According to the measured temperature, the PIC microcontroller switches your five output pins, and controls the controlled voltage unit, from 1 to 64 degrees. As this manner OIC controls light-heat condition of clothes structure in 64-degree scale. The voltage unit is eligible for custom designing. Taking into account the hardware and software resources of the PICmicro™ MCUs, it seems possible to make a fuzzy logic application in the next evolution of widget.