Wireless Temperature Sensors For custom PCs

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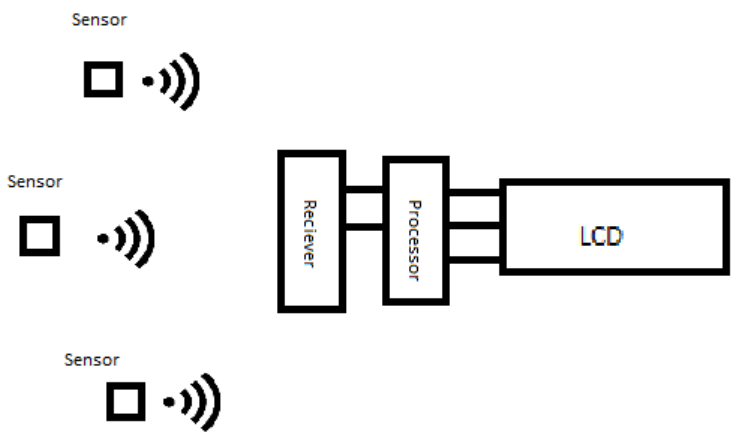
Problem Definition

- There are too many ugly wires involved with current style temperature sensors. This creates problems with wire routing or even getting the sensor where you want it.

- Schedule:
  - 3/30/2013 requisition of resources
  - 6/1/2013 completed working system
- Resources:
  - Various PIC microcontrollers
  - Temp sensors
  - Wireless transmitters and receivers
  - LCD display

Proposed Solution

- To use RF emitters and receivers to send temperature information from your computer to an LCD screen. Thus getting rid of the need to run wires all over the inside of the PC.



Research/Analysis

- Using analog to digital converters within a PIC microcontroller.
- Serial communication.
- Possible interference from using multiple sensors.
- New processor technology with built in RF emitters.
- People love wireless(when it works).

Potential Applications

- Custom computer builds that require temperature monitoring.
- Just wanting to get red of wires.
- Any other application requiring temperature sensors.

Instructions:

1) Use the previous page as a template to create a 11”x17” page Project Proposal and name the file the same as the project title (I.e great project proposal.pdf).
2) upload data sheet in pdf format (remove this instruction sheet) to moodle by the due date
3) Prepare to present in class and in club by due date.