

Spike Plan

Name: Using the Adafruit Fast Vibration Sensor Switch (Easy to trigger)

Context:

The sensor is a possible use in the shower sensor project because it is cheap and could be used as a part in the process of determining if the shower is running. The sensor was bought from <http://tronixlabs.com/sensors/vibration/adafruit-fast-vibration-sensor-switch-easy-to-trigger/>

Knowledge Gap: Does the sensor perform as expected (trigger from the vibration of a shower head which is running water.

Skill Gap: How to use the sensor.

Technology Gap: Is the sensor appropriate technology for this job.

Goals/Deliverables:

1. Guide on connecting the sensor.
2. Outcome report on how sensor works.
3. Test of sensitivity and appropriateness for the job as shower sensor.

Planned start date: 07/04/2015

Deadline: 08/04/2015

Planning notes:

1. Design circuit for breadboard that integrates the sensor.
2. Verify sensor works as expected.
3. Attached sensor to a shower head or tap.
4. Verify the water flow is sufficient to trigger the sensor.