urHOME – Modular Home Monitoring and Control System

Team 6

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urHOME

- Modular Home Monitoring and Control System
  - Customizable to your home energy/security needs
  - Protect your family from household threats from anywhere in the world
  - Easy access and user friendly Interface
  - Real Time Home Environment Data Streaming and Alerts
- Accurate Temperature, Ambient Light, Fire, and CO Monitoring
- Automated Window Blinds and Door Locks
- Low Power Consumption
- Customizable to fit User Needs and Budget
- Meets FCC part 15 requirements
- Meets and exceeds IEC and UL power regulations
- Responsive, consistent user interface
KEY REQUIREMENTS

- Market: North America
- Pricing
  - MSRP: $750
- Environment
  - Indoor Stationary System, except for User Interface (mobile)
  - Operating Temperature Range: 0 – 45°C
  - Operating Humidity Range: 0 – 95% Non Condensing
- Sensors:
  - Smoke Detection Sensitivity Wavelength at 900nm
  - Carbon Monoxide Detection at 200ppm
  - Light Sensor with Dynamic range from .01lux to 64k lux
  - Digital Temperature Accuracy: +/- .125°C
- Controls
  - Dimming Accuracy: +/- 5%
  - Dimming Range: 0-64 scale
- Functions
  - 7 buttons to control home lighting, blinds, door, and alarm.
  - LCD Display
  - Blinds: Open/Closed/User Defined Position
  - Lock: 2 states => Locked/Unlocked
  - Integrated web server accessible from any location
- Power Input
  - Residential AC Power – 110-132VAC @ 15 AMPS
    Converted to 3.3VDC and 12VDC