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| Team 09 – Useless Lock Box |
| Test Plan |
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| Rev 1.0  11-24-2016 |

1. Design Documentation
   1. Description, Rev 1
   2. PDS – Product Design Specification, Rev 2
   3. Block Diagram, Rev 2
   4. Schematic, Rev 6
   5. Board Layout, Rev 6
   6. BOM – Bill of Materials
2. Test Equipment
   1. Computer
   2. AVR Dragon or other development board
   3. Power Supply
   4. VOM – Volt Ohm Meter
   5. Oscilloscope
3. Test Setup and Calibration
4. System Tests
   1. Unit/Module Tests
      1. Servo
      2. Keypad
      3. Solenoid
      4. LCD Screen
      5. Switch
   2. Integration Tests
      1. Possible system paths
         1. Switch to LCD
         2. LCD to Keypad
         3. Correct Code Entered
            1. Keypad to Solenoid
            2. Keypad to Servo
            3. Servo to LCD
         4. Administration Code Entered
            1. Keypad to LCD
            2. LCD to Keypad
            3. Keypad to Servo
            4. Servo to LCD
         5. Incorrect Code Entered
            1. Keypad to Servo
            2. Servo to LCD
   3. Acceptance Test
   4. Parametric Test
   5. Functional Test
   6. Exhaustive Tests
   7. Stress Tests
   8. Use Testing
   9. Error Testing
5. Appendix

**Test Cases**



