Internet — Wifi → Electric Imp Shield

TX&RX
RESET

RedBoard
9V Adapter

Wall Power
3.5mm Audio
Speakers ← Amp ← MP3 Player Shield — SPI → Master Controller

A0 → Solid State Relay → Blower — Wall Power

A1 → Solid State Relay → Red Spinning Light — Wall Power

CAT5 Cable
2 IR LEDs
2 Detectors

Black Entry Cable:
1 - 3
2 - 4
3 - 10
4 - A2
5 - GND
6 - GND
7 - 5V
8 - 5V

Entry Gate

CAT5 Cable
2 IR LEDs
2 Detectors

Hopper Gate

Blue Hopper Cable:
1 - 5
2 - A5
3 - A3
4 - A4
5 - GND
6 - GND
7 - 5V
8 - 5V

Cable:
1 - IR1
2 - IR2
3 - RX1
4 - RX2
5 - GND
6 - GND
7 - 5V
8 - 5V

Original v1.0:
  Bill will break entry gate. Blower will turn on for some amount of time.
  If hopper gate is broken, blower off, light on, sound effect.
  Report event back to internet data channel.

Contact Info: nathan.seidle@gmail.com
See: github/nseidle/Money_Vacuum

TITLE: MoneyVacuum-MasterPlan

Document Number:

REV:

Date: not saved!

Sheet: 1/1