

Meeting Minutes (3/30/2015)

- Described the combined-subsystems circuit for Design Review 2
 - Includes buttons that send a wireless signal to the motor, which is controlled via a delay and the zero-crossing detector
- Demonstrated the circuit
 - Works and displays 2 speeds and off.

To Be Determined:

- Deciding if we want the power supply circuit on a separate board
- Because the receiver needs such a precise voltage (5V), it may be better to overshoot on the original step down from 110VAC (to about 7V) then regulate to 5V and then to 3.3 (see next)
- However, it may not be necessary to have 3.3V at all; just run everything off of 5V
- **Next step:** Make boards
- **Next step:** Order Microcontroller samples from Microchip.com
- **Research:** Polycase for plastic electronics casings
- To connect the boards use a molex that is 1xn
- Possible feature: disable higher speeds for normal use