



Random Selector Circuit
 /*select a random number between 0 and 7, after a time generated by a delay unit*/

Pulse Delay Units

Duration Controller for Module 3, 6
 /*Change Range to -2.5V to -4.5V*/

Delay Controller
 /*Oscillate from +7V to -1V and back in 14 minutes*/

Duration Controller For Module 4
 /*Oscillate from -2.5V to -4.5V and back in -14.5 min*/

Duration Controller For Module 8
 /*Oscillate from -4.5V to -2.5V and back in -15 min Set up as Noninverter (different than other duration controllers)*/

Variance Controller for Modules 1, 2, 3, 4, 6, 7
 /*Variance controls Reducousness of Circuit*/

Variance Controller
 /*Oscillate from -4.5 to 0 and back in 3 min*/

Variance Controller
 /*change range to 0V to 5V*/

Mixer Section

/*Mixer is a simple weighted sum 8 x 3 Summing amplifier. Use Burr Brown OPA2134 Audio Op Amps*/

/*Use Shielded wiring for all signals carrying audio in the Mixing Section*/

/*For Audio Amplification I used the S1554 2 X 2W (BTL bridged) Audio Amplifier kit from DC Electronics*/

***NOTE**
 NPN MOSFETS are Toshiba 2SK5531
 PNP MOSFETS are Toshiba 2SK2614
 BJT Transistors are standard low signal N channel darlington.