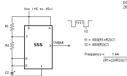
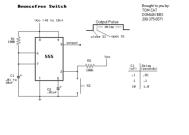
Basic Astable Circuit

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Here pins 2 and 6 are connected so the circuit will trigger itself each timing cycle, thereby functioning as an oscillator. C1 charges through R1 and R2 but discharges through R2. The charge on C1 ranges from 1/3 Voc to 2/3 Voc. The oscillation frequency is independent of Voc.



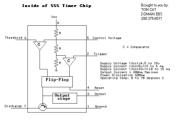
Event Failure Alars

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When power is applied, C1 starts to charge through R2. Unless S1 is closed BEFORE the timing cycle is completed the buzzer will sound. Use any switch for S1 and it can be mounted externally from the circuit.

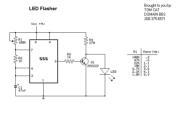
01=2N9986 C1=2-2uf to 47uf



Light/Dark Detector Une +9u 81(0) R1 47K R2 555 01 (01 C1 .643 speaker

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R1 and C1 determine frequency of tone. When S1 is in "L" position the speaker will emit a tone when the photo resistor is struck by light. When S1 is in "D" position the speaker will emit a tone when photo resistor is NOT illuminated.



Basic Monostable Circuit



A negative trigger pulse at Pin 2 turns off a transistor that otherwise shorts C1 to ground, the output then goes high as C1 charges through R1. When the charge on C1 is 28 Voc the 555 discharges C1 to ground. The output line

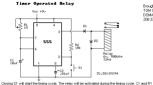
goes low.

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Make reset and trigger momentarily low to reset timing cycle. Otherwise keep reset at Voc.

pulse out
T = R1 × C1
T is independent of Voc

T = Time in seconds R = Resistance in Ohms C = Capacitance in Farads



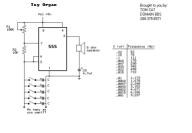
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DOMAIN RRS

control the time delay, C2 prevents triggering, D2 absorbs the energy generated when the relay coil is switched off.

R1	C1=18uf	C1=188wf	
1996 2206 4798 111	2 3 6 15	16 93 79 175	Approximate delay times in seconds



Variable Frequency Pulse Generator Requalit to you by TOM CAT DOMAIN BBS 208-375-6571 Ucc (+5 to 15v) R1=100k R1=IM Output 555 C1 _ FREQUENCIES C1=,002 to 1wf