

TIMER1		
Prescaler	1024	
t_deseado	60	seg
Frecuencia	1000000	Hz
n	16	
TIEMPO max	65535	(67 Seg
Modo normal		
TCNT1	6941,25	

$$T_{max} = \frac{2^n \times Prescaler}{f_{clk}}$$

$$t_{delay} \leq T_{max}$$

Donde:

Timer0 n = 8

Timer1 n = 16

Timer2 n = 8

$$Prescaler \geq \frac{t_{delay} \times f_{clk}}{2^n}$$

clk<sub>u0</sub>/8 (From prescaler)

clk<sub>u0</sub>/64 (From prescaler)

clk<sub>u0</sub>/256 (From prescaler)

clk<sub>u0</sub>/1024 (From prescaler)

TIMER2		
Prescaler	64	
t_deseado	0,002	seg
Frecuencia	1000000	Hz
n	8	
TIEMPO max	255	0,01632
Modo normal		
TCNT2	224	64559

TIMER0		
Prescaler	1024	
t_deseado	0,25	"500 ms"
Frecuencia	1000000	Hz
n	8	
TIEMPO max	255	0,26112
Modo normal		
TCNT0	11	