

## Re: 555 timer circuit

**Source:** <http://sci.tech-archive.net/Archive/sci.electronics.basics/2004-12/1668.html>

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**Date:** 12/29/04

Date: Wed, 29 Dec 2004 10:18:33 -0500

On 29 Dec 2004 03:22:31 -0800, burtonfamily@dodo.com.au wrote:

*>Hello,I made a simple astable 555 timer circuit the same as the one on  
>the 555 web site,but im having trouble working out the values of the  
>two resistors and the capacitor so it will turn on for 3 minuts and off  
>for 5 minuts.Could someone please point me in the right direction as i  
>found the data sheet a bit confusing.thankyou in advance*

Try the following values:

R1 = 430K

R2 = 630K

C = 1000uf

T1= about 300 sec

T2 = about 180 sec

Total = about 8 mins (because of component tolerances, it is difficult to obtain precisian with long durations)

Use single transistor to invert logic levels for T1 & T2

A good 555 tutorial may be found at

<http://www.uoguelph.ca/~antoon/gadgets/555/555.html>

Cheers