

## Re: Low Voltage Cutoff Circuit

**Source:** <http://sci.tech-archive.net/Archive/sci.electronics.design/2004-08/4442.html>

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**Date:** 08/27/04

Date: Fri, 27 Aug 2004 13:52:07 -0500

On Fri, 27 Aug 2004 16:17:59 GMT, "Me" <[me@me.me](mailto:me@me.me)> wrote:

>  
> *"Fred Bloggs" <[nospam@nospam.com](mailto:nospam@nospam.com)> wrote in message*  
> *<[news:412E9C78.4010403@nospam.com](mailto:news:412E9C78.4010403@nospam.com)>...*  
>>  
>>  
>> *John Fields wrote:*  
>> > *On Thu, 26 Aug 2004 04:29:41 GMT, "Me" <[me@me.me](mailto:me@me.me)> wrote:*  
>> >  
>> >  
>> >  
>> >> *Thanks for the replies.*  
>> >>  
>> >>> *Here's what I was thinking. An SCR connected in series with the Ballast.*  
>> >  
>> >  
>> > ...  
>> >  
>> > ---  
>> > *Sounds like a good idea. Just for grins, how much current does your*  
>> > *ballast draw when it's running? Does it draw any current when its*  
>> > *internal low-voltage cutoff is active?*  
>> >  
>>  
>> *good question- assuming that ballast cut-off current does fall below the*  
>> *SCR holding current, the simplest ckt would use a momentary ON-OFF-ON*  
>> *rocker switch- these are available in surplus:*  
>>  
>> *View in a fixed-width font such as Courier.*  
>>  
>>  
>>  
>>  
>> *rocker sw*  
>> +-----+  
>> | o--/-----+  
>> |||

sci.electronics.design: Re: Low Voltage Cutoff Circuit

```
>> +--|-o----> ||
>> ||||
>> ||o||
>> ||||
>> |+-----+ /
>> ||SCR|
>> |||
>> Vbatt>---+-----|>|---+> Load
>> ||
>> |100|
>> +---^---+
>>
>
```

*>The problem is, I have to use an existing switch, Momentary with lock on.*

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I'm getting kind of confused here...

The switch that you're stuck with, is that a switch that came with the ballast and is in series with the supply? That is, when it's ON does it have to pass all the current the ballast needs?

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John Fields