

How to wire a Reed Relay

Source: <http://sci.tech-archive.net/Archive/sci.electronics.design/2005-04/msg00129.html>

- *From:* "Lathe_Biosas" <lathe_biosas@xxxxxxxxxxx>
 - *Date:* 30 Mar 2005 19:52:47 -0800
-

Hi,

Sorry for the basic question, but I'm looking for some help on how to wire the following Reed Relay (v23100-v4005-a011):

<http://relays.tycoelectronics.com/datasheets/reed.pdf>

The relay diagram is on page 3, diagram a011

What I'm trying to do is to close the relay with a HI-TTL logical signal and to open it with a LOW-TTL logical signal. I was told a Reed Relay would help

First Try:

The terminal 6 was connected to +5 Volts and the terminal 9 was connected to GND, then the terminal 13 was connected to 5 Volts (yes I know silly)and smoke came from the chip.

Second Try

After that I thought the relay was damaged but an other test was done connecting:

Terminal 6 to +5 Volts

Terminal 9 to GND

Terminal 2 to +5 Volts resulting in a closed circuit between the terminals 1-7 and 14-8

Questions:

- 1.- Are terminals 1 and 7 the same?
- 2.- Are terminals 14 and 8 the same?
- 3.- From the second try I conclude that the damaged relay is still functioning, should I keep using it?
- 4.- Does the reed relay need some kind of resistance or electronic component or is it elegant to wire it so as in the second try? In the near future for CMOS signals I will use pull up resistance of 1k Ohm at terminal 2.
- 5.- Where does terminal 13 should be wired to,(GND, none)?

Best Regards and Thank you for the time and information

- *Follow-Ups:*
 - ◆ ***Re: How to wire a Reed Relay***
 - ◇ *From: John Smith*
 - ◆ ***Re: How to wire a Reed Relay***
 - ◇ *From: John Fields*
- Prev by Date: ***Re: Problem with Spice – it won't allow me to change bounds of graph***
- Next by Date: ***Re: Stop Light Design***
- Previous by thread: ***Re: Flapping "For Sale" sign, need design help for***
- Next by thread: ***Re: How to wire a Reed Relay***
- Index(es):
 - ◆ ***Date***
 - ◆ ***Thread***