

## How to wire this delay relay switch

Hello I recently bought [this](#) item at ebay and I am not sure how I should wire this. I will power it with a 9 volt battery and the relay will power a pump, [this](#) is how they at ebay show how I should wire it. But I don't understand how I will connect my pump's positive and negative wires to the circuit or how I will connect my 9 volt battery to the circuit?

Since the (X) symbol on the chart is only powered by a negative wire from what i can understand. DC-

and from my basic knowledge the (x) symbol is a lamp? (the source that needs power)

I also don't understand what the two power terminal at the top will do that has nothing connected to it?

What this circuit will do is that it will delay my push button action so the power will remain on to the pump for 5 seconds then turn of instead of the push button will only power while pressed.

### 1 Answer

Your relay is rated 12V DC, so I am not sure if it will turn on if you use 9V DC. There is nothing stated in [its datasheet](#) about minimum voltage to turn on the relay. You may try, but nothing guarranteed.

[The picture](#) that they give is wrong. The lamp (X) does not have power supply connected to it. It will never turn on.

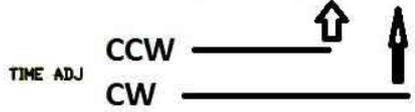
I found [this picture](#) and it may help you. The picture is FC-31 model but I think it has same wiring with FC-32 model.

The relay has normally open and normally close contact. To control a load (a lamp or a pump), we should connect the wire to normally open contact. Please look at the picture below.

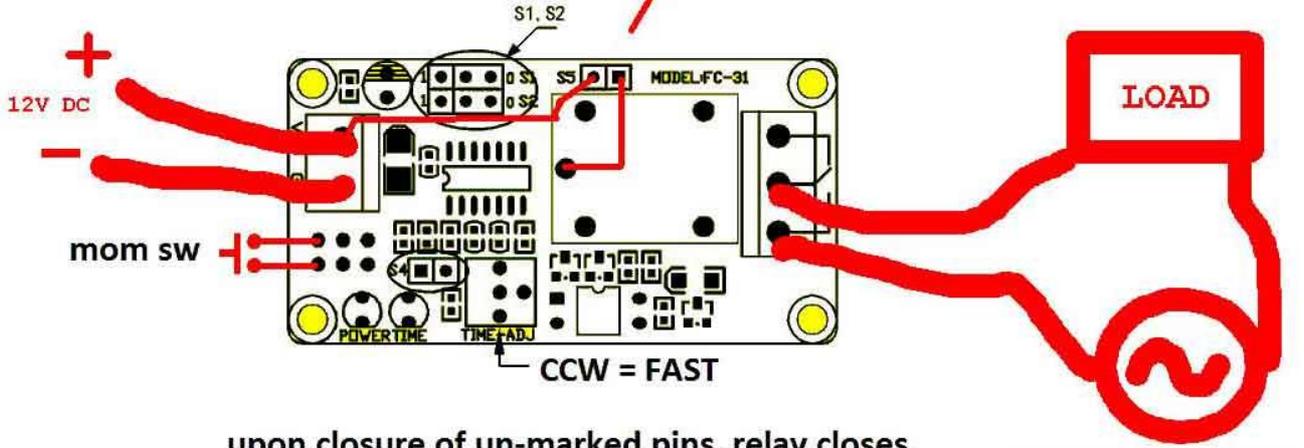
Make sure to remove s5 jumper. I suggest you try with low voltage first, for example, using the same battery (9v) to control a DC lamp or a LED with 560 Ohm resistor in series. Then try to adjust s1, s2, and s4 jumper to get the suitable timer. If everything okay, you can proceed with high voltage and a pump.

# FC-31 time delay relay

S1	S2	S4 	S4 	图示
0	1	0.13S-1.3S	1.5S-14.5S	
1	0	0.5S-5.2S	6S-58S	
0	0	4.4S-42S	48S-463S	
1	1	38S-340S	389S-3700S	



s5 is conected to power and comm.  
remove to isolate comm from power



upon closure of un-marked pins, relay closes.  
upon opening of un-marked pins, timing starts.  
relay opens after timing period

POWER SOURCE

<http://electronics.stackexchange.com/questions/186499/how-to-wire-this-delay-relay-switch>