

UCTRONICS DC 12V Time Delay Relay Module

Model: U6031

1. Introduction

The DC 12V time delay relay module is designed for different kinds of control systems. It has 2 modes to delay time at shortest 0.1s up to 1h. Users can adjust one of the mode and its parameters to fit for their applications with potentiometer. It can be widely used for home automation like the lights, garage door, heater and etc control.

2. Functions

S6	S7	Function	Description	Timing Chart
Close	Open	On Delay	The time delay starts when applying the power supply and the output switches to the operate condition after the setting time has elapsed.	
Open	Close	Interval	The output immediately switches to the operate condition and the time delay starts when applying the power supply, and the output switches to the release condition after the setting time has elapsed.	

Adjustable range of Time T with potentiometer

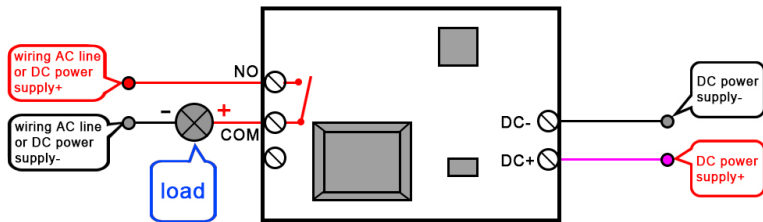
Mode	S1	S2	Diagram	S4	T
1	0	1		open	0.13-1.3s
2	1	0		open	0.5-5.2s
3	0	1		close	1.5-14.5s
4	0	0		open	4.4-42s
5	1	0		close	6-58s
6	1	1		open	38-340s
7	0	0		close	48-463s
8	1	1		close	389-3700s

3. Specification

Module Size:	57*30*18.5mm
Module Operating Voltage:	12V
Module Static Current:	5.5mA
Relay Delay Method:	Delay starts when applying power on
Relay Load Voltage:	NC: DC 30V or AC 250V /NO: DC 28V or AC 125V
Relay Load Current:	10A
Relay Max. Frequency:	≤5KHz

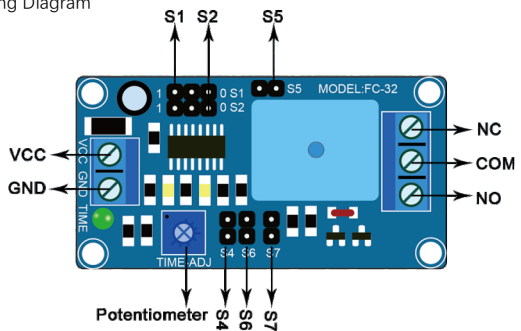
4. Quick Start Guide

Turn on a light after delaying 10s.



Wiring Diagram

1. Open cap S7, close cap S6 (select Interval)
2. Jump S1 to 0 and S2 to 1
3. Open S4
4. Adjust the delay time by potentiometer



5. Trouble Shooting

When relay control the AC current 220V or other DC current voltage higher than VCC port, do not open jumper cap S5, or the high voltage will flow inversely to module and burn down the module.

6. Contact us

If need any further support, please feel free to contact us.

Website: <http://www.uctronics.com>

Email: sales@uctronics.com

Tel: +86 025 84271192