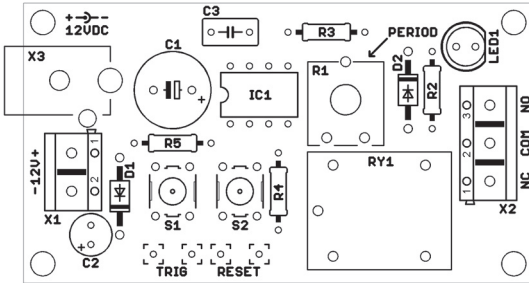


555 Monostable Switch

MAP 422 - N32FL



- Provides a timed output pulse when triggered
- Trigger and reset inputs
- Pulse duration adjustable from approximately 1 second to over 15 minutes
- Single pole changeover relay rated at 24V 10A (not suitable for direct switching of mains voltages).
- Requires a 12V power supply

Part	Value	Device
PCB		JB07-29-1-1
C1	1000u	Electrolytic capacitor, radial
C2	100u	Electrolytic capacitor, radial
C3	10n	Ceramic capacitor (5mm pitch)
D1,D2		1N4006
IC1		8 pin DIL socket
IC1		555
LED1		Standard red 5mm LED
		Hex spindle
R1	1M	Potentiometer (hex slot)
R2,R3	1k	Resistor, 0.25W, Carbon film
R4,R5	10k	Resistor, 0.25W, Carbon film
RY1		12V relay
S1,S2		6mm x 6mm Tactile switch
X1		2-way terminal block
X2		3-way terminal block
X3		DC power socket

Operation

Connect a 12V power supply to either the DC jack (centre positive, 2.1mm), or the terminal block, X1 (observing polarity).

The circuit provides a timed output pulse when triggered. The RESET button will cut the pulse short. Additional pads are located near the TRIG and RESET buttons so external switches can be used if desired.

Pulse duration is adjustable from approximately 1 second to over 15 minutes using the potentiometer, R1.

Single pole changeover relay rated at 24V 10A (not suitable for direct switching of mains voltages).

Instruction hints

C1,C2 - Note polarity (marked by minus signs).

D1,D2 - Note polarity (marked by stripe).

IC1 - Note the location of the notch.

LED1 - Note polarity

Component markings

C3 103

R2, R3 brown, black, red

R4, R5 brown, black, orange

