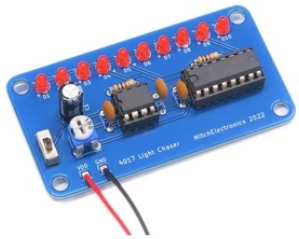
MitchElectronics Ltd.

4017 LIGHT CHASER

Electronic Kit | Data Sheet

PRODUCT IMAGE	SCAN FOR INSTRUCTIONS PAGE	SCAN FOR RESOURCE PAGE
		

MANUFACTURER	MitchElectronics
COUNTRY OF ORIGIN	United Kingdom
ROHS / REACH COMPLIANT	Yes
PRODUCT DESCRIPTION	The 4017 is a 5-stage Johnson counter that has 10 outputs that turn on one after another. This IC is a commonly used 4000 series part and can be used in many scenarios including finite state machines, simple counters, and even time division. In this kit, you will build a 4017 based variable light chaser that is great for solder practice as well as entertaining for sci-fi looking scenes.

PRODUCT SPECIFICATION:

- Component Count: 24
- Battery Powered?: Yes, 9V PP3
- Operating Voltage: 5V to 16V
- Operating Frequency: N/A
- Output Voltage: N/A
- Output Current: N/A
- Dimensions (PCB) : 48mm x 32mm
- Mounting Holes: No
- Prebuilt: No – Kit form
- Batteries Not Included

PARTS INCLUDED:

- 1 x 16 DIP Socket
- 1 x 8 DIP Socket
- 1 x 4017
- 1 x 555
- 2 x 1K Resistors
- 3 x 100nF Capacitors
- 1 x 100uF Capacitor
- 1 x 10K Potentiometer
- 1 x Small Slide Switch
- 10 x Red LED

- 1 x PP3 Connector
- 1 x PCB

APPLICATIONS

The 4017 Light Chaser kit is a highly suitable project for classrooms as it is simple in design, uses high-quality parts, and can be constructed in under an hour. The 4017 Light Chaser is also ideal as a teaching aid demonstrating how the 4017 operates, how the 555 can be used as a clock source, and how to use LEDs in parallel.

The 4017 Light Chaser is also ideal for those who want to create light chase displays including LED ties, signs, decoration, and props for video / TV.

An alternative to the 4017 Light Chaser is the Traffic Light Controller which uses the 4017 to create the UK traffic light sequence which can be ideal for those who want to create miniatures.

KIT INSTRUCTIONS

https://mitchelectronics.co.uk/resources/4017-light-chaser-kit-instructions/

ELECTRONICS CONSTRUCTION MANUAL

https://www.mitchelectronics.co.uk/documents/electronicsConstructionManual.pdf

NOTES

Note that product specifics such as output frequency depend on the tolerance of the components. The numbers provided here are an approximation only. Also take note that the estimated delivery is not guaranteed (unless special delivery is chosen) and free delivery has a maximum waiting time of two weeks. Any product that is returned which is built using lead solder is ineligible for a refund.

All parts sold by MitchElectronics are compliant with RoHS and REACH directives which ensure that they can be used in commercial environments as well as complying with environmental laws.