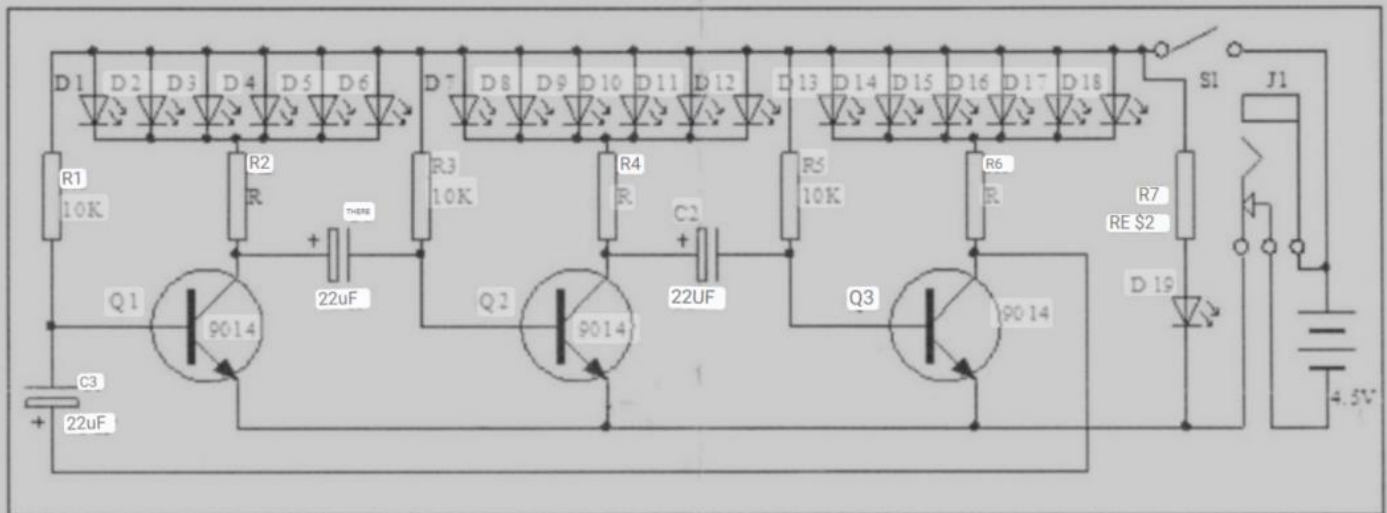


The CTR-30 flashing Christmas tree kit is composed of three circuit boards, which can be soldered and assembled by the user to make 36 LEDs flash alternately.

Presents the outline of a Christmas tree in the space (better viewed

at night). 1. Overview of the kit: Working voltage: DC4.5-5V; Dimensions: 60L*60W*136mm

Circuit schematic diagram:



3. Components list CTR-30A components list:

name	Model/Specification	Numbering	quantity	name	Model/Specification	Numbering	quantity
resistance	330R Orange Orange Black Black Brown	R6	1	LED	3mm red	D1~D6D19	7
	1K brown black black brown brown	R4	1		3mm yellow	D7~D12	6
	2K red black black brown brown	R2	1		3mm green	D13~D18	6
	10K brown black black red brown	R1 R3 R5 R7	4	Triode	9014	Q1~Q3	3
capacitance	47uF/16V	C1 C2 C3	3	PCB	CTR-30A	1	1

CTR-30B Parts List:

name	Model/Specification	Numbering	quantity	name	Model/Specification	Numbering	quantity
resistance	330R Orange Orange Black Black Brown	R2	1	LED	3mm red	D7~D12	6
	1K brown black black brown brown	R6	1		3mm yellow	D13~D18	6
	2K red black black brown brown	R4	1		3mm green	D1~D6	6
	10k brown black black red brown	R1 R3 R5	3	triode	9014	Q1~Q3	3
capacitance	47uF/16V	C1 C2 C3	3	PCB	CTR-30B	1	1

CTR-30C component list:

name	Model/Specification	Numbering	quantity	name	Model/Specification	Numbering	quantity
switch	5.8mm	S1	1	nut	2mm	2	2
DC seat	3.5mm	J1	1	PCB	CTR-30C	1	1
Battery case	Section 3 No. 5	1	1	screw	2*8mm	2	2

The surface with a white mark is the surface of the welding device. The resistance is not divided into positive and negative poles. The corresponding resistance value is welded. The long feet

of the capacitor and LED are positive and the short feet are negative. The side of the LED facing the top of the tree is the negative electrode. Time to avoid burnout, after welding a tree

branch, power-on test to ensure that the LED is not damaged, cross-assemble the two tree weights, and pay attention to the positive and negative poles when assembling with the bottom plate. The

board is marked with O+ and O-. Solder the solder on the pad to ensure that it is firm, and the excess wire of the battery box can be cut off. The thickness of the A board and the B

board is different, in order to make the card more firm. If you buy a colorful set, all LED lights are the same, you don't need to follow the number of the LED lights in the list.