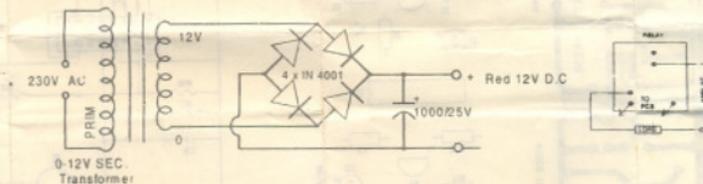


INFRARED REMOTE CONTROL ON / OFF SWITCH

Using any T.V. Remote Control can operate this remote control receiving unit. We know T.V. remote control emits infrared light pulses of frequency 36 KHz. This project can sense 36 KHz infrared signals and activate / de-activate a relay connected at its output.

After connecting 12 Volts power supply to the circuit, direct T.V. Remote Control to the black I.R. sensor of receiving unit. Press any of the buttons of remote control. Then relay will be activated. If remote control button is pressed again relay will be deactivated. Range of

operation is more than 35 feet. Load to be controlled can be connected via normally opened contacts of the relay.



PARTS LIST

RESISTOR

R1,R2	-	1K
R3	-	10K
R4,R6,R11	-	100K
R5	-	150K
R7	-	220K
R8	-	47E
R9	-	5K6
R10	-	18K

CAPACITOR

C1,C6,C10	-	100/25V
C2	-	1/50V
C3,C4,C7	-	.1Kpf
		(104) 100Kpf
C5	-	.22Kpf
		(224) 220Kpf
C8	-	2.2/50V
C9	-	.01Kpf
		(103) 10Kpf

SEMICONDUCTOR

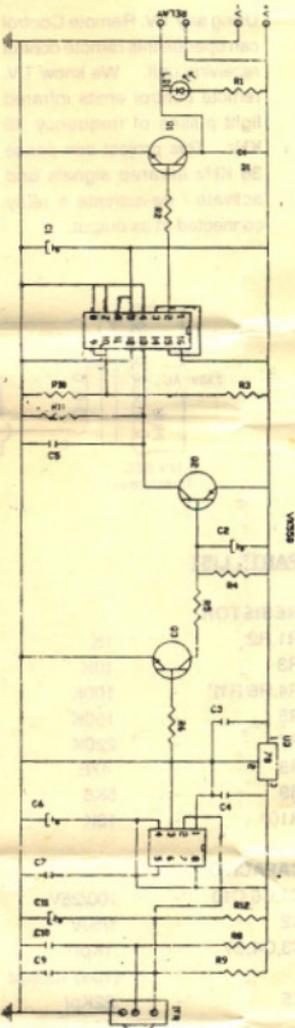
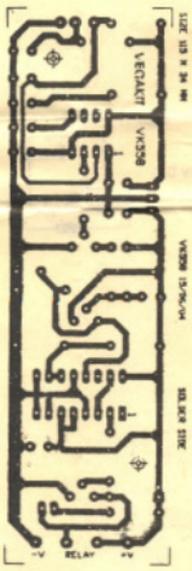
IC1(U1)	-	CD 4027
IC2(U2)	-	NE 555
IC3(U3)	-	78L05
IC Base 1	-	16 Pin
IC Base 2	-	8 Pin
D1	-	IN 4007
Led 1	-	5mm Red Led
Q1	-	Bel 187
Q2	-	BC 558
Q3	-	BC 547
IFR	-	TV Sensor
Relay	-	12V-1C/O
PCB	-	PCB Mounting
		Sugar Cube
		VK 558 PCB

INFRARED REMOTE CONTROL ON/OFF SWITCH

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operation is faster than 55. See
can be controlled by
connected to normally closed
of relay.

After connecting 75 volt power
supply to the circuit, direct T.V.
Remote Control to the dark
control. In case of receiving one
press any of the buttons of
remote control. Then relay will
be activated. It sends control
signal to another relay.



2-pin Cup
PCB Mounting
15A-100
TV Service
8C-100
34-187
34-187

558
1000
1000