

## interrupter

### Interrupter Bill of Materials

Ref	Value
C1	0.1 uF 50 V ceramic disc capacitor
C2	0.01 uF 50 V ceramic disc capacitor
C3	0.01 uF 50 V ceramic disc capacitor
C4	1 uF 25 V ceramic disc or electrolytic capacitor
C5	0.1 uF 50 V ceramic disc capacitor
C6	0.01 uF 50 V ceramic disc capacitor
C7	0.1 uF 50 V ceramic disc capacitor
C8	0.01 uF 50 V ceramic disc capacitor
C9	47 nF 50 V ceramic disc capacitor
C10	0.1 uF 50 V ceramic disc capacitor
C11	0.1 uF 50 V ceramic disc capacitor
C12	0.1 uF 50 V ceramic disc capacitor
C13	0.1 uF 50 V ceramic disc capacitor
C14	10 uF 25 V electrolytic polarized radial capacitor
C15	0.1 uF 50 V ceramic disc capacitor
C16	0.01 uF 50 V ceramic disc capacitor
C17	10 uF 25 V electrolytic polarized radial capacitor
D1	LED (color of your choice)
D2	1N4148
D3	1N4148
D4	1N4148
D5	1N4148
D6	1N5819
D7	1N4148
D8	1N4148
D9	1N4148
D10	1N5227B
D11	1N5227B
J1	2.1mm Male Barrel Jack (PCB Mount)
J2/J3	SPST panel-mount switch soldered with wires through J2/J3
J4/J5	SPST panel-mount switch soldered with wires through J4/J5
J10	2 position 5.0/5.04 mm spacing screw terminal block PCB mount
J11/J12/J13	SPDT panel switch soldered with wires through J11/J12/J13 (J12 pole)
J14	2 position 5.0/5.04 mm spacing screw terminal block PCB mount
J15	2 position 5.0/5.04 mm spacing screw terminal block PCB mount
J16	2 by 3 2.54 mm spacing pin header
J17/J18/J19	SPDT panel switch soldered with wires through J17/J18/J19 (J18 pole)
OP1	IFE97 Industrial Fiber Optics
R1	1k ¼ watt resistor
R2	1k ¼ watt resistor
R3	6.8k ¼ watt resistor
R4	1k ¼ watt resistor
R5	100k ¼ watt resistor
R6	220R ¼ watt resistor

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R7	2.2k ¼ watt resistor
R8	10k ¼ watt resistor
R9	10k ¼ watt resistor
R10	1M ¼ watt resistor
R11	1k ¼ watt resistor
R12	10k ¼ watt resistor
R13	100R ¼ watt resistor
R14	1k ¼ watt resistor
R15	220R ¼ watt resistor
R16	10k ¼ watt resistor
R17	10k ¼ watt resistor
R17	10k ¼ watt resistor
R18	51R ¼ watt resistor
R19	1k5 ¼ watt resistor
R20	68R ¼ watt resistor
R21	68R ¼ watt resistor
RV1	50k 17 mm PCB mount linear taper potentiometer
RV2	50k 17 mm PCB mount linear taper potentiometer
RV3	50k 17 mm PCB mount linear taper potentiometer
RV4	5k 17 mm PCB mount linear taper potentiometer
RV5	50k 17 mm PCB mount linear taper potentiometer
U1	NE555 DIP-8 package
U2	NE555 DIP-8 package
U3	NE555 DIP-8 package
U4	LM339 DIP-14 package
U5	ATTINY85-20PU