

Model: DA302

### OPERATIONAL CIRCUIT DESCRIPTION

S1 is a PIR sensor, once detects movement it will generates a signal couple to U2 (amplifier and comparator), then activates U1 (micro controller) to generate a digital signal to Q2 (R.F. osc.) and modulates to a high frequency signal which will last for 2 seconds.

U3 is a 3V regulator for U1, U2 power supply.

U4 is a voltage detector, once voltage drop below 7V, LED will light up.

### POWER SUPPLY AND GROUND

One 9V battery is the only power supply for the transmitter. No external power is needed.