

CIRCUIT DESCRIPTION FOR RXTX10002000A

The TX unit is a 9VDC battery powered motion detector wireless transmitter. The dual element pyro detector picks up a change in temperature in motion and activates the wireless transmission circuit as shown in the schematic. This RF circuit transmits at 418 Mhz to a waiting receiver (RX) This circuit through its 6 dipswitches allows for 16 different addresses that are available on the transmitter and 4 different tones available to on the RX (receiver unit). These devices, The RX and TX units are used to announce the entry of either a person or a vehicle when passing through the system.

The RX (receiver) uses a 12VDC 500ma power supply that plugs into any 110 volt AC outlet. This unit waits for a signal from the TX (transmitter) unit and activates 4 different tones that the owner can choose from. This unit also allows you to add different devices to the back such as strobe, siren, buzzer, counter, or an additional speaker. This unit has a speaker built into the box. It also operates at 418 Mhz as shown in the schematic.