

Driveway Alert

The diagram block of driveway alert showed in figure 1 & Figure 2.

The product using a PIR sensor to detect the objects passed by the driveway, the MCU (EM78PS153) send out the signal to the 433.92MHz ASK modulation circuit(SAW oscillator stablized) when the MCU gets the PIR signal from the detected IC (PT8A263), then transmit the signal via the antenna.the transmitter runs at the standy mode makes power consumption as lower as possible without PIR detection.

The receiver could work with 3 PIR sensors maximum after pairing. When the MCU of the receiver(8P95) gets the signal from the demodulation module (SYN450R) , then will judge the signal sent from which transmitter and the correclative zone indicated LED would flash.

The receiver also built in a relay and an extended connector for the extra alarmer.