

Operational Description

The 2 way pager is a very low-powered remote control/ monitoring device used in monitoring the automobile security status as well as in remotely arming/disarming car security system and other optional features like vibration or audible peeping warning sound during alert mode. Its features and functions are described in the attached paper.

The transmission is powered by a 1.5 V AAA battery and works on 433.92 MHz single fixed frequency. Details of circuit diagram and block diagram are shown on the attached sheets.

There are total 5 buttons, only one has function, the other 4 buttons which if pressed will produce the digital control signals and modulate the carrier signal. The carrier signal is generated by a 433.92 MHz saw resonator and a npn transmitter. The modulated output of RF amplifier stage is coupled to the coil.

All the tuning and verification are done by manufacturer during the production process and no adjustment is allowed by any consumer. No external ground is needed in such device.