

## **L-500HAF Operational Description**

The 2 way pager is a very low-powered remote control/ monitoring device used in motoring 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 pager.

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 4 buttons which if pressed will produce the digital control signals and modulate the carrier signal. The carrier signal is generated by a crystal oscillator/ amplifier circuit composed of a 434 Mh crystal and a npn transmitter. The modulated output of the 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.

The transmitter is manually operated by the buttons pushed and will automatically deactivate within 3 seconds after the button being released. This feature is incorporated by the SAW Resonators ( 433.92MHz ) internally.

All tuning and verification are performed by the manufacture and there are no adjustments can be made by the user. No external ground is required or used with this transmitter.