

XT90S OPERATIONAL DESCRIPTION

The car alarm transmitter is a low powered, hand held unit for remote controlling the car locks and other features. See the function descriptions in attached. The transmitter is powered by 3 volt battery. It is designed to operated on a single fixed frequency at 915 MHz. See the attached block diagram and schematic.

There are 4 buttons trigger the integrated circuit (U1) which produces the digital control signals and will modulate the carrier signal. The carrier signal is generated by a 16 MHz crystal / FSK transmitter IC circuit composed .The modulated output of RF is coupled to the coil.

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.

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions/:-

This EUT works as a FM modulation. Signal HI will trigger FM OSC to generate a 915.004MHz frequency and signal LOW will trigger FM OSC to generate a 914.996MHz frequency. The single is controlled by the CPU control data input inside the control unit.

Normally the transmitting time is about 0.6 seconds, the maximum is lasting for 4.5seconds.

- (1) This device may not cause harmful interference
- (2) This device must accept any interference received: including interference that may cause undesired operation.

Note: The manufacturer is not responsible for any radio TV interference caused by unauthorized modification to this equipment. Such modifications could void the user's authority to operate the equipment.