

Operational Description

The car alarm transmitter is a low powered, hand held unit for remote controlling The car locks/arming and other features. See the function descriptions in attached. The transmitter is powered by a 12 volt battery. It is designed to operated on a Single fixed frequency at 340MHz. 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 oscillator/amplifier circuit comprised of a npn transmitter (Q1). The modulated output of the RF amplifier stage is coupled to the PCB strip antenna. The coupling network comprised of C2, C3, C4 and VC. The strip antenna is attached on PCB permanently around 20mm.

The transmitter is manually operated by the buttons pushed and will automatically deactive within 16 seconds after the button being pressed. This feature is incorporated by the U1 internally.

All tuning and verification are performed by the manufacture. 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:-

- (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 of TV interference caused by unauthorized modification to this equipment. Such modification could void the user' authority to operate the equipment.