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SECURITY & AUTOMATION

Operational Description (TX5)

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 5 buttons trigger the integrated circuit (IC RT1762) which produces the digital control signals and will modulate the carrier signal. The carrier signal is generated by a oscillator/amplifier circuit comprised of 340 MHz crystal (X1) and a npn transmitter (Q1). The modulated output is coupled to Q2 and then transmit signal from small antenna.

The transmitter is manually operated by the buttons pushed and will automatically deactive within 16 seconds after the button being pressed. Transmission will be stopped right away (within 0.2 second) while button is released. This feature is incorporated by the IC RT1762 internally.

All tuning and verification are performed by the manufacture. No external ground is required or used with this transmitter.