

TECHNICAL DESCRIPTION, ASTR575

SYSTEM DESCRIPTION, ASTR575, ASTR575CF

The ASTR575 Remote Transmitter is used in a Car Starter/Alarm System and operates at 433.920MHz, OOK.

5 Buttons

The transmit code uses 25 bits

1 start bit, 16 ID bits and 8 bits for button ID information.

Bit length is 500/1000uSec.

CIRCUIT DESCRIPTION

Transmitter Section

The transmitter is provided a single transistor SAW stabilised oscillator Q1. C3, C4 provide the necessary feedback for the Colpitts SAW oscillator. U1, an integrated CMOS IC, provides system timing and a serial bit stream to OOK modulate the oscillator. The loop antenna is resonate to 433.920MHz.

D2,3,4 combine each button to power U1

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D1 , an LED is lit by the current through Q1.

The Remote is powered by 1, 12 Volt battery.