

Circuit Description

The Receivers RCI01-321 / RCI02-321 operate in the 40.68 MHz ISM band and are intended for wireless garage door opener applications.

The two units differ only in the number of output channels, RCI01-321 features one output and RCI02-321 features two output channels.

The circuit can be divided into two main parts: The main board with microcontroller, EEprom and output relays and the receiver section. The receiver is located on a separate PCB.

The receiver circuit includes

- Wire Antenna
- Antenna Preamplifier
- Bandpass Filter
- Receiver IC with SAW resonator as local oscillator
- Output Buffer
- Voltage regulator