

Overview

The "**ONE**" series is a family of transmitters used to open gates, working on the 433.92 MHz band. This series consist of a 4-channel and 2-channel version. By channel we mean a different code and not different frequency bands. All two models have exactly the same circuit while the number of push buttons and codes differ. They are powered with a 3V lithium battery (included).

Description of the products

ON2E/A, ON4E/A

The circuit consists of:

- The Q3 transistor that works like an oscillator; the signal taken from its collector passes through the C15-L2-C19 filter and reaches the Loop type aerial, engraved on a printed circuit, providing a guarantee of stability as regards its characteristics and, consequently, the complete lack of calibrations. The SAW1 Resonator guarantees the exact oscillation frequency.
- The code is generated by the integrated circuit U1 and consists of a train of 74 pulses; as the code is the "Rolling Code" type, it changes each time the push button on the remote control is pressed. Decoder clock operation is guaranteed by a internal Oscillator.
- The circuit also have a little induction circuit (L5,C4,Q1, Q2) that receive a proximity signal from another transmitter.
- A DL1 led flashes when the product is in transmission.
- A 3V Lithium battery power the circuit. There is also a battery testing circuit that prevents the circuit from working with a flat battery.