

# Overview

The **MYGO/A** is a transmitter used to control automation of gates, garage doors and road barriers.

MYGO/A is available in two versions: "MYGO4/A (4 command buttons) and MYGO8/A (8 command buttons).

The transmitter operates on 433.92MHz using OOK modulation.

It adopts a transmission technology called "O-code/A" and it's powered with one CR2430 Lithium battery.

## Description of the product

The circuit consists of:

- The integrated circuit U1(LPC804) that generates the code, a train of 74 pulses. The code is "Rolling code" type so it changes each time the button is pressed. Encoder clock operation is guaranteed by an internal oscillator.
- The Q3 transistor that works as Colpitts oscillator used to generate OOK modulation. It works with a 433.92 MHZ Saw resonator for frequency stabilization. The signal taken from the collector passes through a low pass filter and reaches the Loop type aerial (433 MHz band) engraved on the printed circuit.
- The circuit also has a little induction circuit (L2, C7, Q1, Q2) that receive a proximity signal from another transmitter.
- D1 led flashes during a transmission.