

Overview

The **MYGOBD/A** is a transmitter used to control automation of gates, garage doors and road barriers. MYGOBD/A is available in three versions: “MYGO2BD/A (2 command buttons), MYGO4BD/A (4 command buttons), MYGO8BD/A (8 command buttons).

It can be used with both bidirectional and monodirectional automations

When MYGOBD/A transmits a command, the bidirectional receiver recognizes it and transmits the confirmation that the command has been executed. On the bidirectional transmitter, the confirmation is indicated by the vibration. MYGOBD/A may also require the state of automation and indicates it with the colour of the Led.

All models have a lens that can be pressed for the request status.

The transmitter operates on 433.92MHz using GFSK modulation in bidirectional mode and OOK modulation in monodirectional mode.

It adopts a transmission technology called “BD” and “O-code/A”; it’s powered with one CR2430 Lithium battery.

Description of the product

The circuit consists of:

- A microcontroller U1 (STM32L051) that implements the application functions and communication protocols.
- A transceiver U2 (CMT2300A) that handles the radio channels with OOK/GFSK modulation. An external 26MHz oscillator (X2) is used to generate the incoming clock signals. Matching components and filter are used between antenna and transceiver.
- A bi-color LED to inform the user of the programming status and the states of automation.
- MYGO2BD: two control keys to transmit and a button/lens to request the state of automations
- MYGO4BD: four control keys to transmit and a button/lens to request the state of automations
- MYGO8BD: eight control keys to transmit and a button/lens to request the state of automations
- A vibrating motor for confirmation that the command has been executed.
- A little induction circuit (C31, C32, Q1, Q3) that receive a proximity signal from another transmitter