



User Manual

Remote control access control ABK 400-2-12

Description

The ABK-400-2-12 remote access control is designed to operate any type of latch, lock, or electrical system used to open doors. The controller consists of two basic components: (1) Controller and (2) Transmitter (See Figure 1 for details).



Figure 1. Main parts of the controller

Main Advantages

- The controller can have up to a maximum of 30 issuers associated with it.
- Easy programming of transmitters
- You can control the opening of two doors indistinctly using a single controller.

- Input voltage: 12 VDC

- Working current: ≤ 12 mA

Transmission power: 10 Mw

- Transmission frequency: 433 MHz

- Maximum distance for reading the transmitter signal: 50 m

Connecting the Emitter to the Controller







Up to 30 transmitters can be associated with a single controller. The steps to add a transmitter to the controller are as follows:

- 1. Press the connection button (When the button is pressed the indicator LED lights up)
- 2. Then press one of the transmitter's keys (After this, the indicator LED will flash 5 times in a row). Now the transmitter is recognized by the controller.

The system doesn't allow you to cancel transmitters independently; all transmitters are canceled at the same time. To do this, simply press and hold the connect button for 8 seconds.

Relay position / controller output status

Each ABK-400-2-12 controller has two relays that allow independent operation of two doors. Proper use of these relays allows for better use of the transmitters and better use of the controller's features (See Figure 2 for the position of the two relays).

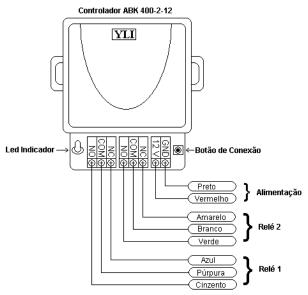


Figure 2. Position of the two relays of the ABK-400-2-12 controller

Position of the transmitter keys

Each transmitter has two keys, which operate in conjunction with each relay. Special care must be taken when using the relays and transmitter keys. Figure 3 shows the functions of the two transmitter keys.







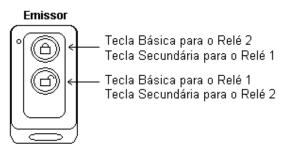


Figure 3. Position of the transmitter keys

Operating modes of the ABK 400-2-12 controller

Internally, the ABK-400-2-12 controller has a switch that allows three different operating modes to be established. Figure 4 describes these three operating modes.

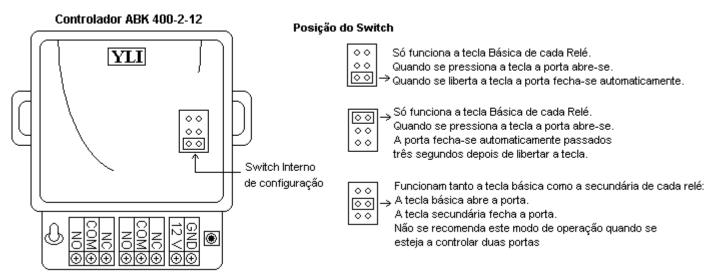


Figure 4. Operating modes of the ABK-400-2-12 Access Controller







