

Spy Proximity Wireless Wall Reader With Keypad



TECHNOLOGY

The 13,56 MHz RFID proximity wall reader is the perfect solution for access control in doors where its closing element or deadbolt is an automatism: peripheral accesses, parking lots, elevators, healthy areas, swimming pools, etc.

Operation mode: On-line (wireless).

It offers the same benefits as the lock: User identification, time zone, audit trail of the events (openings and attempts of openings), cancellation of lost or stolen cards, etc. Compatible with opening via Bluetooth Low Energy through smartphone app.

Advantages of on-line Wireless:

The wall reader and the software communicate in real time, recording right away all the information stored in the wall readers:

- User's access.
- Attempts of openings from non authorized users and attempts of openings outside the schedules.
- Guest's accesses to hotel commodities.

And updating in the moment any change made in the software's database:

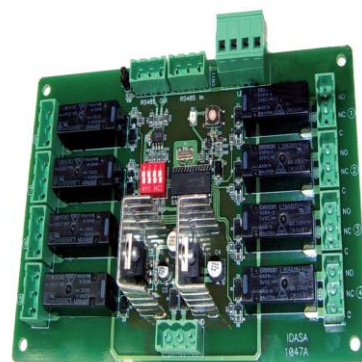
- Giving access to users and guests.
- Denying access to users and guests.
- Remote opening of the door from the software.
- Remote activation of passage mode.
- Block/unblock of the doors.
- Time setting.



ELEVATORS

The relay board is the ideal complement for the wall readers when it is necessary to activate several elements from a unique point. It allows deciding which elements are going to activate for each user.

The main example is the inside of an elevator. The user inserts or approaches its credential to the wall reader. The wall reader recognizes user's identity and using one or more relays it will activate the buttons where the guest is allowed to access. The user won't have permission to access to the floors where the access is not allowed.



ELECTROMECHANIC MECHANISM

The wall readers can activate or deactivate any electromechanic mechanism using a relay. TESA offers a large variety of solutions.

Electric strikes

- When a basic safety level is needed: Common accesses, parking lots, etc.
- Fail secure (When there is a power cut the access is blocked)
- Supply: 12V AC, 0,6A

Electromagnetic locks

- When a high safety level is needed: Entrances, emergency exits, etc.
- Fail safe (when there is a power cut the access is free)
- Supply: 12 Vdc/500mA or 24 Vdc/250mA

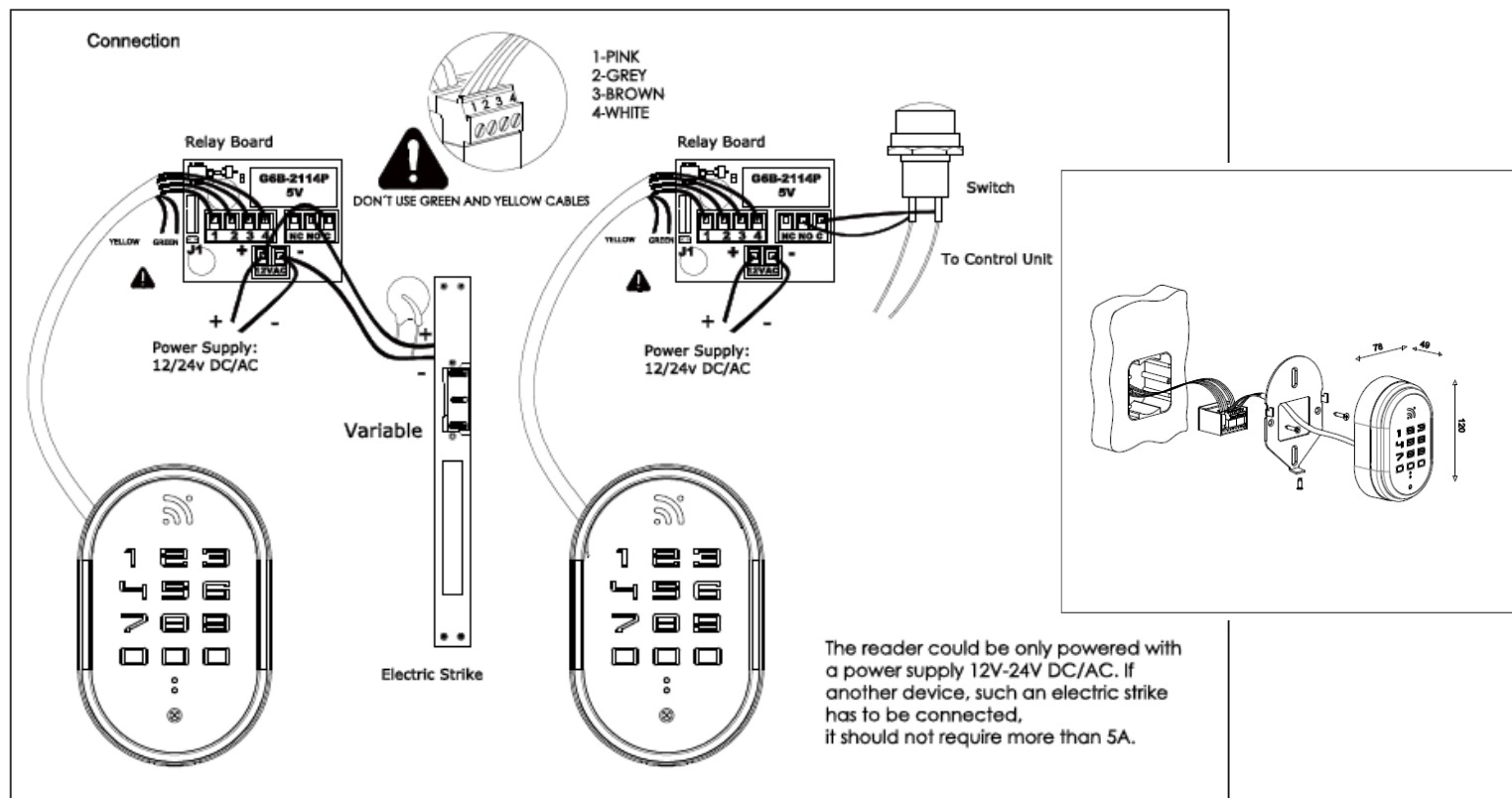


INSTALLATION

Typical sketch of a connection to an electric strike.

If an AC electric strike is used, it is recommended the installation of the VARISTOR in the electric strike to absorb the noises that could damage the control unit of the reader.

For more information, see the electric strike's features.



TECHNICAL FEATURES

READING MODULE

- Identification technology: RFID 13,56MHz Read and Write contactless chip.
- Reading distance: 10mm with standard credentials.
- The jack connecting to the Portable Programmer is in the reading unit.

CONTROL UNIT

- Non volatile memory..
- Audit trail up to 1500 users and 1200 events (openings and attempts of openings).
- Clock and calendar in real time. 30 time zones with 5 periods of time each of them.
- Green and red warning LEDs. Different warnings: low battery level, denied access, etc.
- Operation ways::
 - Passage mode: lock always opens.
 - First user: Lock in passage after the first access of an authorized user.
 - Standard: Operation by default. Card is needed for opening..
 - Double user: Two authorized users must approach their credential in order to open.
 - Keyboard: It is acceded using a PIN code.
 - Card + Keyboard: It is required the card and the PIN code. It is useful when we use write and read technology
 - Checkin PIN: The guest open the wall reader with the same keypad code as the room.

CONNECTORS

- CN1: Supply: 12 to 24V DC and 12V AC.
Consumption: 20mA.
Consumption when the relay is working: 150 mA.
- CN2: RS485.
- CN3: Relay exit (NO, NC, C).
Cut capacity: 5A 250V AC/ 5A 30V DC.
- CLR: Reset button to erase reader's memory.

OPERATION CONDITIONS

- Humidity: Up to 85% without condensation.
Interior drainage in the reader.
- Temperature: Between -10°C and 80°C.
- Electric strike's noises: It is recommended the installation of the VARISTOR in the electric strike to absorb the noises that it could produce. ONLY AC.