Spy Proximity Wall Reader With Keyboard

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: Off-line (autonomous).

The wall reader activates the closing element (electric, electromagnetic, motorized, etc. strikes) using a relay. It needs an outside power source of 12V AC.

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. Exclusive PIN code for each user once the proximity credential is presented. Double security.

Compatible with mobile phones.

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.
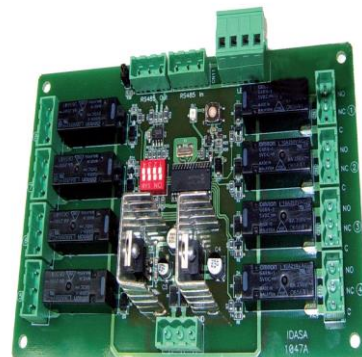
ELECTROMECHANIC MECHANISM

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

EXIT DEVICES

Antipanic UNIVERSAL device with electromechanic locks
· The electric signal activates the exterior handle or the engine that removes the lever of the electromechanic lock.
· Application: Interior exit devices.
· Fail safe or fail secure (it depends on the model of electromechanic lock).

Antipanic motorized TEMPRO device
· An engine removes the latch of antipanic bar.
· Application: Exterior exit devices
· Fail secure (When there is a power cut the access is blocked)

Antipanic motorized TOP
· A bar with highly developed technical features and in harmony with the new architectonical trends.
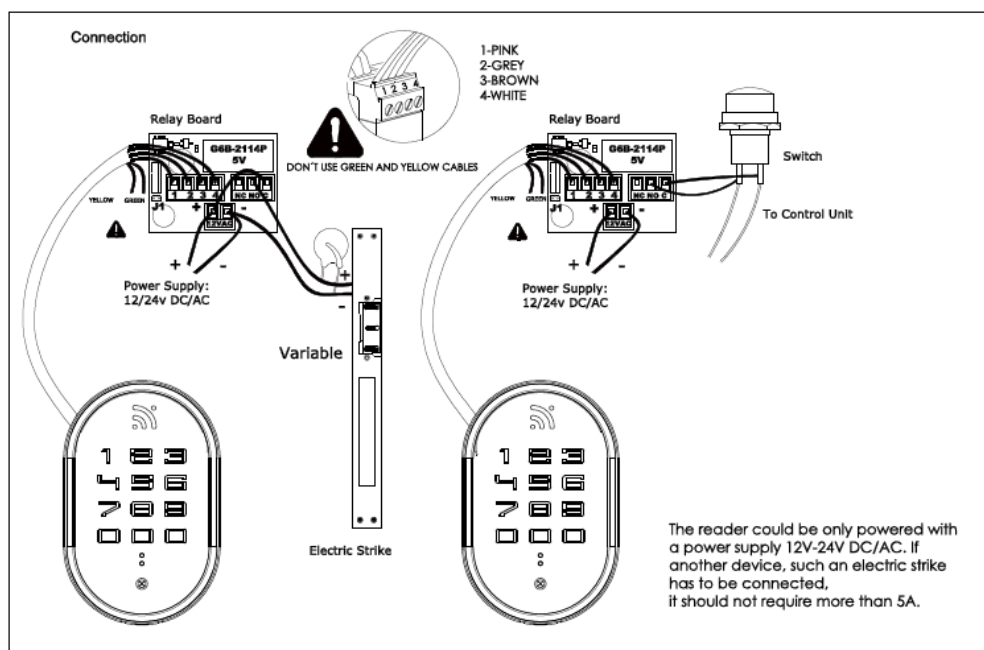
INSTALLATION

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.

Feed the reader only with the alternate 12V transformer (it is not enclosed). If a device is installed as an electric strike, this device could not be of more than 600mA.

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 1000 events (openings and attempts of openings).

• Clock and calendar in real time. 14 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.

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 -10ºC and 80ºC.

• Electric strike's noises: It is recommended the installation of the VARIABLE in the electric strike to absorb the noises that it could produce. ONLY AC.