

**keyless<sup>®</sup>**

**IntelRelay**

# Tech Handbook



## Introduction and statement of conditions

Despite the attentive and careful realization, update and integration of the contents and integrations in this handbook, these contents and information may contain typing mistakes, inaccuracies or inconsistencies for whom Keyless® does not provide any guarantee - neither explicit nor implicit - not even by way of reliability or expectation. In particular, we do not guarantee completeness, exhaustiveness and compliance with the current organization, company structure or typology, characteristics, marketability and fitness for purpose of the products, services and activities of Keyless®, who is available to provide any relevant information. Keyless® reserves the right to make adjustments and changes to the information contained in the handbook without prior notice, as well as to vary and to change the products, the services and the activities described herein, without it rising any kind of rights for a third-party. In order to reduce paper consumption, we decided to minimise the description inherent to the use and installation in this manual, whilst maintaining the greatest clarity. It is important to keep this handbook to be able to consult it at any time. In case of sale, disposal or removal of the product, make sure that the handbook is given to the new owner, to inform him about the functioning and the related warnings. Read the instructions carefully: they contain important information about installation, use and security. In the interest of improving the internal design, the operational functionality and/or the reliability, Keyless® reserves the right to make adjustments and changes to the products described in this handbook without prior notice nor notification in written or electronic form. Keyless® accepts no responsibility during the use or the implementation of the products or the circuit diagram described herein.

## Rules and guarantees

All Keyless® products have a 24 months warranty from the date of purchase over the whole European territory.

The warranty is valid for products found to have structural manufacturing or functional defects. Under no circumstances should the warranty be understood as onsite, but offsite. The detecting of defects, the dismantling, the shipment of the damaged product to Keyless® headquarters, as well as the delivery charges regarding the intervention, have to be carried out by the installer. Keyless® guarantees the product and its functioning only if the product is correctly installed without adjustments for its only purpose of use; using the product not as intended invalidates the warranty.

Keyless® is not responsible for damages caused to things or people, for the inappropriate use or installation of the product, nor for damages resulting from non-use due to damages or defects, loss of earning, inactivity or non usability. It is up to the installer to communicate a possible defect as soon as possible via e-mail to the address [assistenza@keyless.it](mailto:assistenza@keyless.it).

After a brief evaluation following the handbooks recommended by Keyless®, the defected or malfunctioning product can be returned to be repaired or replaced. The new or repaired product will not have a new 24 months warranty, but it will be covered by the official warranty given at the time of purchase.

All products damaged by power surges, thunderstorms and adverse weather conditions, earthquakes, floodings or break-in attempts performed through mechanical manipulation, erroneous connections or reversed polarity are not covered by warranty.

**All legal disputes are reserved to the jurisdiction of the Foro of Treviso (Italy).**

## Guidebook for the installation

All Keyless® products are certified and under warranty only if **installed by qualified personnel**.

Before you begin the installation, make sure that the system is highly compatible with your power circuit. Under no circumstance is Keyless® and its retailers responsible for erroneous purchase, incompatibility of the products sold and/or installed by unqualified personnel, loss of earnings or money due to malfunctioning of Keyless systems.

THE INSTALLATION AND THE CONNECTION OF THE PRODUCTS MUST BE CARRIED OUT WITHOUT A/C POWER.

Cut the power from the electrical panel or the counter; it is good to install a thermal magnetic circuit breaker with 6A at least to maintain the system, it also has to conform to the local standards in force.

EARTHING THE POWER SUPPLY IS REQUIRED BY LAW.

Keyless® accepts no responsibility for possible damages suffered by people, things, pets or property, due to non-compliance with the rules described herein. The system downstream of the power supply is low voltage (12V) and it does not constitute a danger for people.

# WARNING!

The Keyless units interact with the **negative** terminal.

Relay, door opener button, Day & Night, sensor, etc.

They are connected or bridged  
EXCLUSIVELY to NEGATIVE (GND).

Incorrect connections (positive + 12V)  
**irreversibly damage** the control unit.

It's **Expressly Forbidden** Power third-party equipment  
(Remote controls, electric strikes, electric locks, door opening, relays, etc.)  
with the power supply unit.

Failure to comply with such notice ago  
decaying instantly warranty.



## IntelRelay logic for Keyless Motorized Units

IntelRelay it's a smart relay that allows, through the Keyless units, unplugs off electrical devices / users connected to it.

### Technical data:

Power ON - OFF 5VDC 30mA

Relay dry contact up to 16A 250VAC

Two contact coil 5Vdc

**WARNING: Contact position not defined at delivery, may be inverted contacts (NO | NC)**

### How to connect with motorized doors

The diagram reproduces the connection to be made to "force" the typing of a closing door code, and the consequent detachment of electrical equipment / utilities.

Typing to open the door, IntelRelay is activated, allow 220V(if connect) to the equipment connected to it.

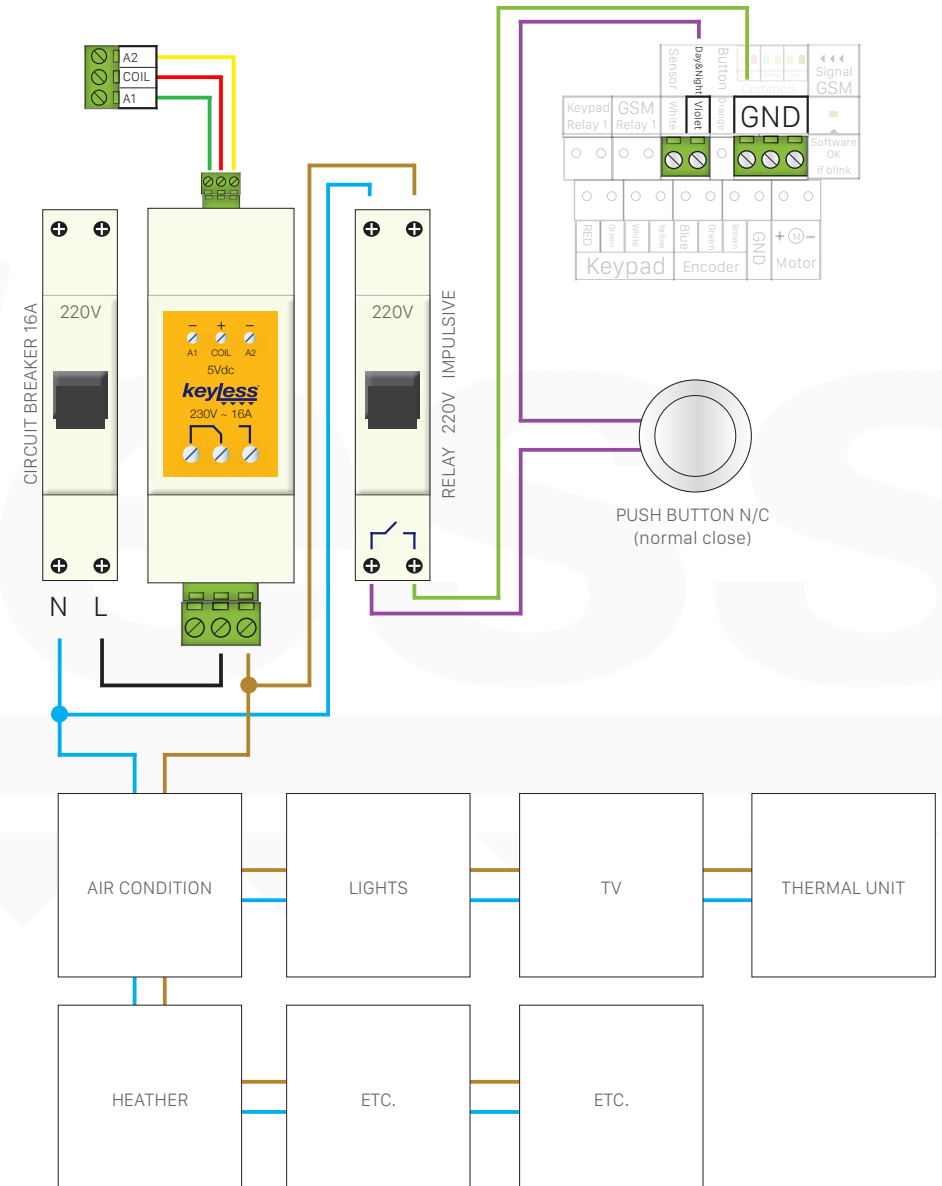
also power the impulse relay (not supplied), which passes the mode D & N to "DAY mode", thus preventing, to the closing of the door to close the sends.

To close the lock, keep pushbutton inside until total lock close.

The guest, exit the door, to close at turns, MUST enter a closing door code (Which activates the sequence of code = 6); IntelRelay turns off and "power off" electrical equipment / utilities, including impulsive relay, passing the D & N mode to "NIGHT mode" that closes the lock.

## Cable and connections

Connect the control unit with a three-wire cable, the IntelRelay, taking care to follow the legend colors and not reverse polarity.



## IntelRelay logic for Keyless NOT Motorized Units

IntelRelay it's a smart relay that allows, through the Keyless units, unplugs off electrical devices / users connected to it.

### Technical data:

Power ON - OFF 5VDC 30mA

Relay dry contact up to 16A 250VAC

Two contact coil 5Vdc

**WARNING: Contact position not defined at delivery, may be inverted contacts (NO | NC)**

### How to connect with electric strike doors

The diagram reproduces the connection to be made to "force" the typing of a closing door code, and the consequent detachment of electrical equipment / utilities.

Typing to open the door, IntelRelay is activated, allow 220V(if connect) to the equipment connected to it.

also power the electrical door adapter (not supplied), which remains "open" (energized).

The host, the exit from the door, in order to "close" the door, MUST enter a closing door code (Which activates the sequence of code = 6); IntelRelay turns off and "power off" appliances / electrical loads including the electrical power supply of the meeting, that "closes the door" (de-energized).

## Cable and connections

Connect the control unit with a three-wire cable, the IntelRelay, taking care to follow the legend colors and not reverse polarity.

