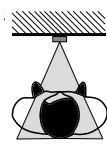




**⚠** Avoid using objects that can block the capture of images of the eyes.

**⚠** The recommended distance between the device and the user (1.45 – 1.80m tall) is from 0.5 to 1.4 meters. Please make sure the user is positioned in the camera's field of view.



## Electronic lock types

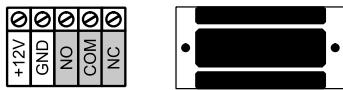
iDFace, through the relay in the External Access Module, is compatible with almost all of the locks available in the market.

### Magnetic lock

The magnetic or electromagnetic lock consists of a coil (fixed part) and a metal part (armature plate) which is attached to the door (mobile part). While there is a current passing through the magnetic lock, the fixed part will attract the mobile part. When the distance between these two parts is small, ie. when the door is closed and the dock is on top of the fixed part, the attraction force between the parts can reach over 1000kgf.

Thus, the magnetic lock is normally connected to the NC contact of the activation relay, as we normally want for the current to go through the electromagnet and, if we want the door to open, the relay must open and interrupt the current flow.

In this guide, the magnetic lock will be represented by:

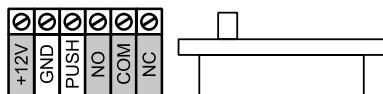


### Electric bolt

The electric bolt lock, also known as solenoid lock, consists of a fixed part with a mobile pin connected to a solenoid. The lock normally comes with a metal plate that will be attached to the door (mobile part).

The pin on the fixed part enters the metal plate preventing the door from opening.

In this guide, the solenoid pin lock will be represented by:



**⚠** The gray terminals may not be present in all locks. If there is a power supply connection (+ 12V or + 24V), it is essential to connect it to a source before operating the lock.

### Electromechanical Lock

The electromechanical lock or strike lock consists of a latch connected to a solenoid through a simple mechanism. After opening the door, the mechanism returns to its initial state allowing the door to be closed again.

Thus, the electromechanical lock typically has two terminals connected directly to the solenoid. When current passes through the lock, the door will be unlocked.

In this guide, the electromechanical lock will be represented by:

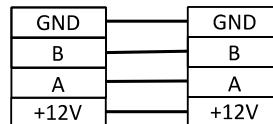


**⚠** Confirm the operating voltage of the lock before connecting it to the iDFace! Many electromechanical

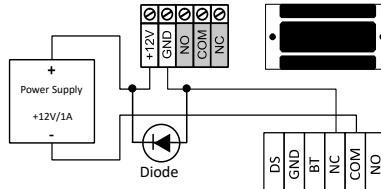
locks operate at 110V/220V and must therefore use a different wiring set up.

## Wiring Diagrams

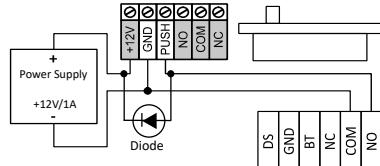
### iDFace and EAM (Mandatory)



### Magnetic Lock

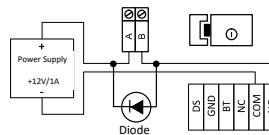


### Solenoid Pin Lock (Fail Safe)



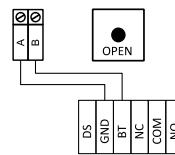
**⚠** We recommend the use of a dedicated power supply to source power to the Solenoid Lock.

### Electromechanical Lock (Fail Secure)

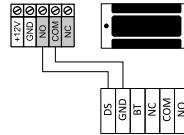


**⚠** We recommend the use of an exclusive power supply to source power to the Electromechanical Lock.

### Push Button



### Door Sensor



## Safety Instructions

Please follow the recommended conditions below to ensure the correct use of the equipment to prevent injuries and damage.

Power Supply	+12VDC, 2A CE LPS (Limited Power Supply) Certified
Storage Temperature	0°C to 40°C
Operating Temperature	-20°C to 45°C
Operating Frequency	125 kHz
Maximum Field Strength	IDFACEFPA: 80dB $\mu$ V/m @ 3m at 125kHz, equivalent to -17dBm (ERP) IDFACEFPM: 55dB $\mu$ V/m @ 3m at 13.56MHz equivalent to -42dBm (ERP)

When purchasing iDFace, the following items are included in the package: 1x iDFace, 1x EAM, 1x 2-pin cable for power supply, 2x 4-pin for interconnecting iDFace and EAM, 1x 5-pin cable for optional Wiegand

communication, 1x 6-pin cable for use internal relay and sensors signals, 1x generic diode for protection when using a magnetic lock.

### ISED compliance statement

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: This device may not cause interference; and this device must accept any interference, including interference that may cause undesired operation of the device. Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions: l'appareil ne doit pas produire de brouillage, et l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

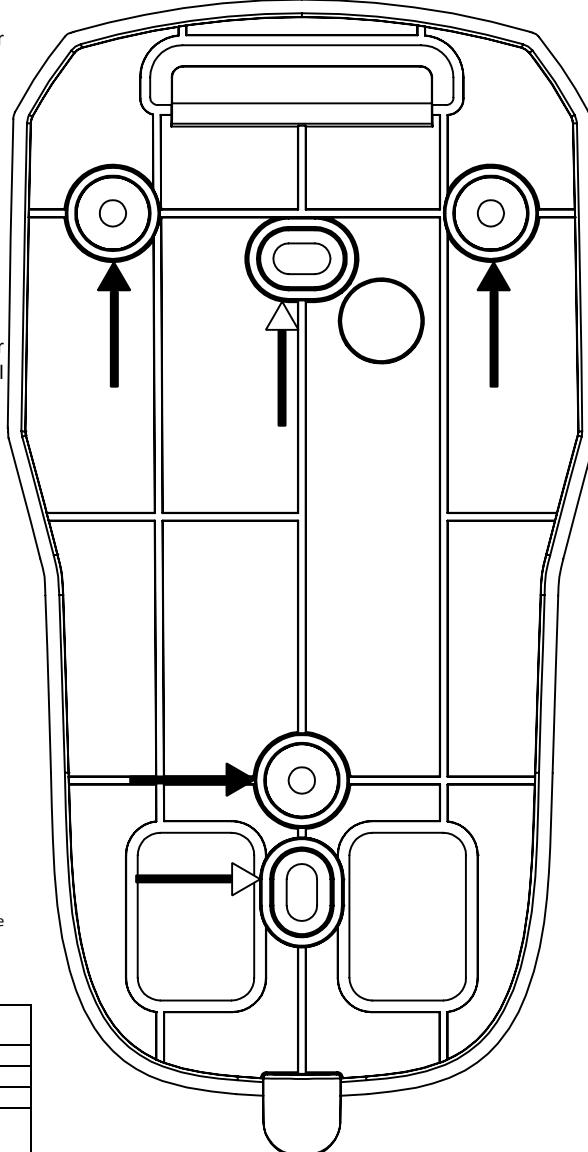
### FCC Warning Statement

This device complies with Part 15 FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference. (2) This device must accept any interference received including interference that may cause undesired operation.

**Note:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help. Changes or modifications to this product not authorized by Control ID could void the electromagnetic compatibility (EMC) and wireless compliance and negate your authority to operate the product.



## Reference pattern for installation

Manufactured by: Controlid Industria e Comercio de Hardware e Servicos De Tecnologia Ltda Rua Hungria, 888, 8th Floor, Sao Paulo SP, 01455000 – Brazil. Imported by: ASSA ABLOY AB - Klarabergsviadukten 90, Stockholm, Sweden (Europe) and ASSA ABLOY UK - ASSA ABLOY Limited, Portobello, School Street, Willenhall, WV13 3PW (UK).