

information as desired and connect the device to the network.

Configuration Web Interface

First, connect the device directly to a PC using a network cable (cross or point-to-point). Then, set a static IP on your machine in the 192.168.0.xxx network (where xxx is different from 129 to avoid an IP conflict) with a subnet mask of 255.255.255.0.

To access the device's configuration screen, open a web browser and enter the URL:

<http://192.168.0.129>

The login screen will appear. By default, the access credentials are:

- Username: **admin**
- Password: **admin**

Through the web interface, you can change the device's IP address. If you change this parameter, be sure to write down the new value so you can reconnect to the device.

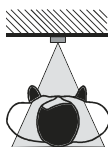
User Registration and Identification

The effective operation of the facial recognition system is directly related to the quality of the image captured by the iDFace Max during the registration phase. Therefore, during this process, ensure that the face is aligned with the camera at a distance of 50 cm. Avoid atypical facial expressions and objects that may obscure important areas of the face (such as masks, sunglasses, and others). Keep in mind that the photo should be taken as in a personal document.

For the identification process, position yourself in front of and within the camera's field of view on the iDFace Max, and wait for the access granted or denied indication on the device.

Avoid using objects that can block the capture of the eyes.

It is recommended that the distance between the device and the user (with a height of 1.45-1.80 m) be between 0.5 and 1.5 m. Ensure that you are positioned within the camera's field of view.



Types of Locks

The iDFace Max, through a relay in the External Activation Module (EAM) of up to 30V and 5A, is compatible with virtually all types of locks available on the market.

Electromagnetic Lock

The electromagnetic lock, or Magnetic Lock, consists of a coil (fixed part) and a metal piece (armature) that is attached to the door (moving part). As long as current flows through the electromagnet, the fixed part will attract the moving part. When the distance between these two parts is small, i.e., when the door is closed and the armature is aligned with the fixed part, the attractive force between them can exceed 1000 kgf.

Thus, the electromagnetic lock is typically connected to the NC contact of the relay, as we usually expect current to pass through the electromagnetic. If we want the door to be opened, the relay must open and interrupt the current flow.

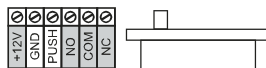
In this guide, the electromagnetic lock will be represented by:



Solenoid Pin Lock

The solenoid pin lock, also known as a solenoid lock, consists of a fixed part with a moving pin connected to a solenoid. The lock typically comes with a metal plate that should be attached to the door (moving part). The pin in the fixed part enters the metal plate, preventing the door from opening.

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



Terminals indicated in gray may not be present on all locks. If there is a power input (+12V or +24V), it is essential to connect it to a source before operating the lock.

Electromechanical Lock

The electromechanical lock, or strike, consists of a latch connected to a solenoid through a simple mechanism. After the door is opened, the mechanism returns to its initial state, allowing the door to close.

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

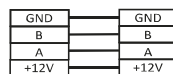
In this guide, the electromechanical lock will be represented by:



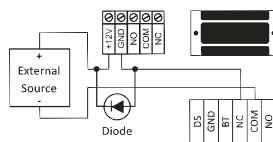
Confirm the operating voltage of the lock before connecting it to the iDFace Max! Many electromechanical locks operate at 110V/220V and therefore require a different connection.

Connection Diagrams

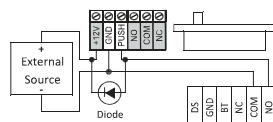
Connection of iDFace Max and EAM – Mandatory



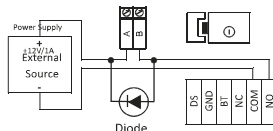
Electromagnetic Lock ²



Solenoid Pin Lock (Fail Safe) ²



Electromechanical Lock (Fail Secure) ²



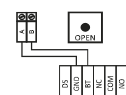
ISED compliance statement

This device complies with ISED 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.

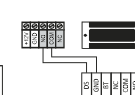
The antennas used for this transmitter must be installed to provide a separation distance of at least 20cm from all persons and must not be located or operating in conjunction with any other antenna or transmitter.

Le présent appareil est conforme aux CNR d'ISED applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: 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.

REX Connection



Door Sensor Connection



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.

The antennas used for this transmitter must be installed to provide a separation distance of at least 20cm from all persons and must not be located or operating in conjunction with any other antenna or transmitter.

2 It is mandatory to use a separate external power supply exclusively for powering locks, electromagnetic locks, and general latches

Drilling template

