PACKAGE

Reader with Backplate (Mounting Enclosure)
A smart access control reader pre-installed in a robust mounting enclosure for seamless wall integration.

Button with Backplate (Mounting Enclosure)
A push-to-exit button designed with a durable mounting enclosure for easy installation.

Wall-Mount Installation Kit
Includes all necessary screws, anchors, and hardware for secure wall mounting.
Reader with Backplate (Mounting Enclosure)

Screwdriver for Hidden Bolt
A precision screwdriver designed specifically for adjusting and securing hidden bolts.

Two QR Codes
Self-adhesive QR codes for flexible placement.
These codes function as a digital intercom and are pre-linked to the reader for convenient access control.

*The SIM card is **not included** in the set. Contact your mobile operator to select an IoT tariff. The recommended tariff is from five megabytes per month.

SPECIFICATION

Dimensions:

Reader:
Height 5,5″ (14.6);
Width 2,68″
(6,8 cm);
Depth 0,78″ (2 cm)
Weight 50 gr

Button:
Height 2,36″ (6 cm);
Width 2,36″ (6 cm);
Depth 0,78″ (2 cm)
Weight 50 gr

Input Voltage:

up 12-24V DC max 1Ah

Environmental Specifications

Operating Temperature: -20℃ to 70℃
Storage Temperature: -40℃ to 85℃

INSTALLATION

Access Control Keypad Installation

• Drill 4 holes on the wall/door for the Self tapping screws and 1 hole for the cable
• Put the rubber bungs into the 4 holes
• Fix the bracket firmly on the wall with 4 Self tapping screws
• Fix the bracket and keypad with the one fixing bracket screw
• Thread the cable through the cable hole.

Exit Button Installation

• Drill 2 holes on the wall/door for the Self tapping screws and 1 hole for the cable
• Put the rubber bungs into the 2 holes
• Fix the bracket firmly on the wall with 2 Self tapping screws
• Fix the bracket and Exit Button with the one fixing bracket screw
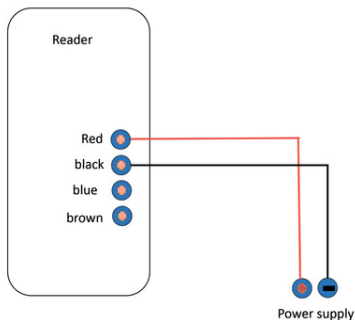• Thread the cable through the cable hole.

WIRING DIAGRAM FOR CONNECTING

an electromagnetic or electromechanical lock via a push button
Wiring diagram for connecting an electromagnetik
or electromagnetikal lock via a push button
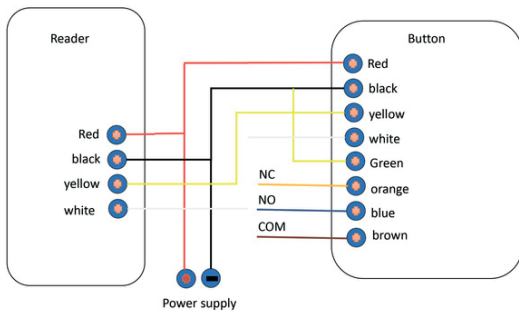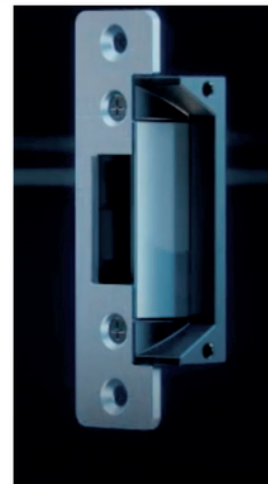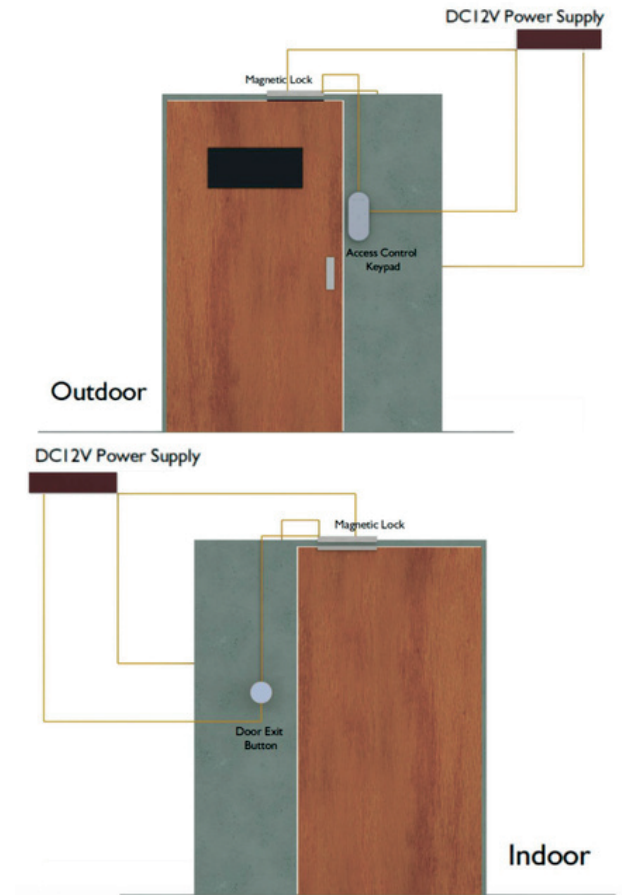

Direct connerction wiring diagram
from the power supply

When connecting an electric latch,
use the NO and COM contacts

When connecting a magnetik lock,
use the NC and COM contacts

WIRING DIAGRAM FOR CONNECTING ▬▬▬▬

1. Power the Reader with button (Parallel if needed)
Reader Wire   Connect to Power Supply
Red   +12V
Black   GND (–)

2. Connect the Maglock via the Reader's Relay (Normally Locked)

Component   Connect to
"+" of power supply   → COM (Brown) on the reader
NC (Orange)   → "+" of the maglock
"–" of power supply   → "–" of the maglock

This setup keeps the maglock energized (locked) by default.
When access is granted, the relay opens the NC circuit, cutting power and unlocking the door.

3. Connect the Electric Strike Lock via the Reader (Fail-Secure Mode)

Component   Connect to
"+" of power supply   → COM (Brown) on the reader
NO (Blue)   → "+" of the electric strike
"–" of power supply   → "–" of the electric strike

This setup keeps the electric strike unpowered (locked) by default.
When access is granted, the relay closes the NO contact, delivering power to unlock the strike.

4. Connect a Fail-Safe Electric Strike or Maglock via the Reader

• You don't connect the reader's relay to CONTROL+ / CONTROL–.
• Instead, you connect the reader's relay output to the PUSH and GND terminals on the K80.
• The effect is the same: K80 activates its internal relay, unlocking the lock.

5. Lock Wiring Remains the Same

A. Maglock (Fail-Safe, Normally Locked)
Component Connect to K80 Terminal
+ maglock   → NC
– maglock   → GND

B. Electric Strike (Fail-Secure, Normally Unlocked)
Component Connect to K80 Terminal
+ strike   → NO
– strike   → GND

Summary of Relay Logic with PUSH:
If you're using a fail-safe electric strike (unlocked when power is lost), wiring is identical to a maglock

Component Connect to
"+" of power supply   → COM (Brown) on the reader
NC (Orange)   → "+" of the strike or maglock
"–" of power supply   → "–" of the strike or maglock

Fail-safe locks require constant power to stay locked, just like maglocks

WIRING DIAGRAM FOR CONNECTING

Wiring Instructions using power supply like K80

1. Power the Reader (same as before)

Reader Wire Connect to K80 Terminal
Red   +12V
Black   GND

2. Connect Reader Relay to K80 via PUSH

Button Relay Wire Connect to K80 Terminal
COM (Brown) → GND (K80 GND terminal)
NO (Blue)   → PUSH terminal on K80

When the reader grants access, it closes the circuit between PUSH and GND,
simulating a push button and triggering the internal relay.

3. Lock Wiring Remains the Same

A. Maglock (Fail-Safe, Normally Locked)
Component Connect to K80 Terminal
+ maglock   → NC
– maglock   → GND

B. Electric Strike (Fail-Secure, Normally Unlocked)
Component Connect to K80 Terminal
+ strike   → NO
– strike   → GND

Summary of Relay Logic with PUSH:
If you're using a fail-safe electric strike (unlocked when power is lost), wiring is identical to a maglock

Component Connect to
"+" of power supply   → COM (Brown) on the reader
NC (Orange) → "+" of the strike or maglock
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Fail-safe locks require constant power to stay locked, just like maglocks
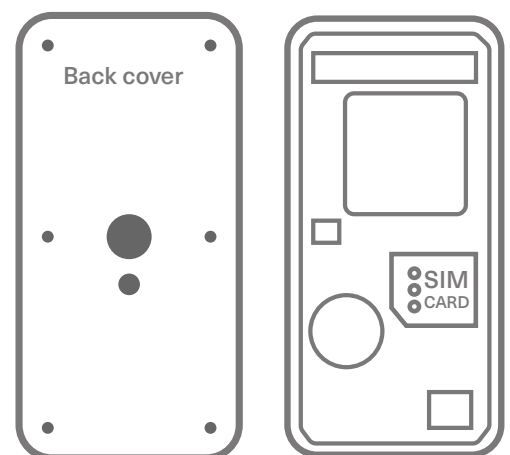
SIM CARD

A SIM card is required for the LTE version of the device to work.

Installing the SIM card
Unscrew the 6 screws on the back of the device
Insert the micro SIM card (form factor 3FF). Close
the cover.
Tighten the screws.

ADDING TO APPLE HOMEKIT

Adding Matter device to Apple Home (iOS):

1.Open the Home app

• On your iPhone or iPad, launch the Home app.

2. Start adding accessory

• Tap "+" → Add Accessory.
• Select "More options" if prompted.

3. Scan Matter code

• Scan the Matter QR code (on the device, manual, or package).
• Alternatively, enter the setup code manually.

4. Put device in pairing mode

• Ensure your Matter device is powered on and in pairing mode.

5. Connect to Apple Home

• Wait until the device connects via Wi-Fi or Thread.
• If the device uses Thread, make sure you have a Thread Border Router (HomePod mini or Apple TV 4K).

6. Assign to room

• Choose a room for the device.
• Give it a name for Siri and automation.

7. Finish setup

• Tap Done.
• The device will appear in your Home app and sync across all devices with your Apple ID.

ADDING TO GOOGLE HOME

Adding Matter device to Google Home (for both Android and iOS):

1. Preparation

• Update the Google Home app to the latest version.
• Make sure your phone and the device are on the same Wi-Fi network
• Ensure the device is powered on and in pairing mode
• Locate the Matter QR code or Setup Code

2. Start the pairing process

1) Open Google Home.
2) Tap "+" → "Device" →"Set up device" → "New device".
3) Choose a home and a room (or create new ones).
4) Tap "Next" and select "Matter device".

3. Scanning

• Point your camera at the Matter QR code
  (if no camera or QR code — select "Enter code manually").

• Google Home will automatically start the pairing process.

4. Confirmation and setup

Wait for the connection to complete.

Set access permissions for household members if needed.

WARRANTY

Supplier warrants the proper functioning of the Products and their absence of defects and defaults for a period of two years from the delivery of the Products.

The Supplier's warranty shall be valid for a period of 2 years from the delivery of the Products.

No guarantee will be payable by the Supplier if the defect of the product:

(i) is attributable to the Distributor, or (ii) originates from an accident, maintenance, or improper use of the Product.

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