

Instalment Manual

VPass Multi-Factor Reader

Version: 1.1
June 2024



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1. Safety Instructions

Please read these safety precautions carefully before using the product.



WARNING!

The following conditions may cause death, bodily injury, or product damage.

- Do not install the product in direct sunlight or in damp or dusty places.
- Do not enclose the product indoors or outdoors.
- Avoid installing the product in areas where radio frequencies could interfere with it.
- Do not try to disassemble or repair the product.
- Avoid using defective power supply adapters and cables.
- When assembling the product on a surface, avoid covering it with materials like silicone, etc.
- While assembling the product, pay attention to the clearances specified herein.
- Make sure that the selected power supply satisfies the conditions set forth herein.
- Avoid dropping or hitting the product.
- Pay attention to the product's storage and operating temperature limitations. The conditions described above may cause electric shock, fire, or product malfunctions.

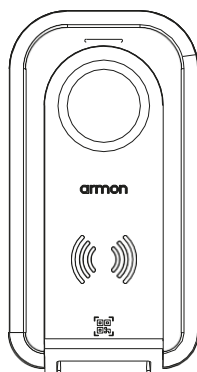


Child Safety

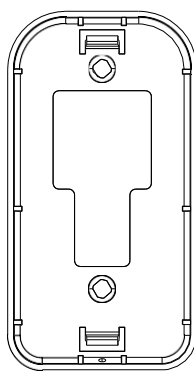
- Electrical products are dangerous for children. Do not allow children to tamper with the appliance.
- Any small parts in the package are dangerous for children. Keep it out of the reach of children.

2. Getting Started

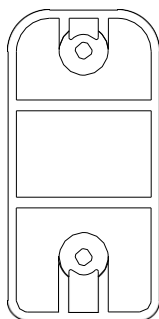
2.1 Package Contents



VPass



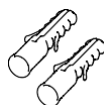
Bracket



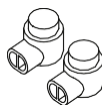
Extender



Fixing Screws
(2 pcs)



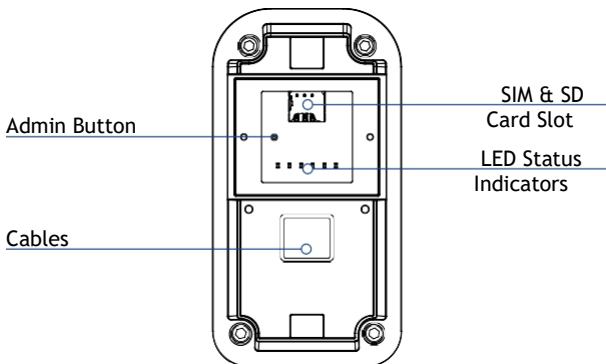
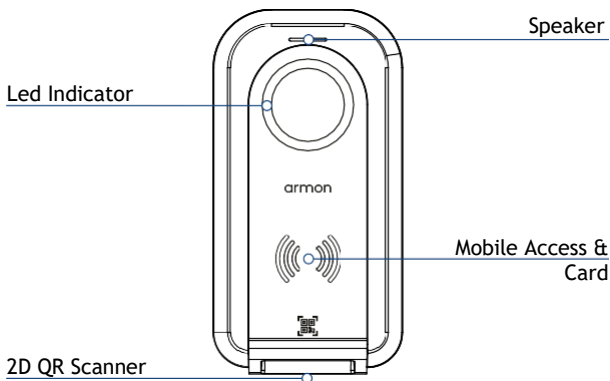
Fixing Dowels
(2 pcs)



UY IDC Connector
(20 pcs)

Note: Package contents may vary depending on the product model.

2.2 Component Names



2.3 Component Functions

Led Indicator



Orange
Service Error
Please contact the manufacturer.



Orange – Flashing
Service Error
Please contact the manufacturer.



Blue
Authentication is active.



Red
Authentication failed.



Green
Authentication is successful.



Purple
Multi-factor authentication awaiting
next verification method.

Speaker

- Features voice notification

Led Status Indicator

- Power, System, Network Status

Camera

- Detects QR code and MRZ images

Mobile Access & Card Reader

- BLE, NFC and RFID card detection point

SIM Card & SD Card Slot

- SIM Card slot is only active on LTE models. Compatible with nanoSIM card type.
- Maximum SD Card size is 128 GB. Compatible with Micro SD Cards.

Admin Button

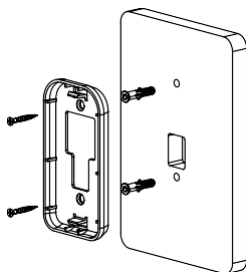
- Press and hold for 10 seconds to open Bluetooth admin mode.
- Admin mode is on by default on initial setup.

2.4 Cables

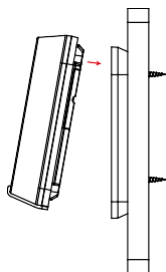
| | | |
|----------|----------------|---------|
| Power | Red | 12VDC |
| | Black | GND |
| Ethernet | Orange / White | RX (+) |
| | Orange | RX (-) |
| | Green / White | TX (+) |
| | Green | TX (-) |
| | Blue / White | POE (+) |
| | Blue | POE (+) |
| | Brown / White | POE (-) |
| | Brown | POE (-) |
| Relay | Purple | NC |
| | Grey | COM |
| | Blue | NO |
| IN - 1 | Brown | IN1 (+) |
| | Black | GND |
| RS-485 | Green | A (+) |
| | Purple | B (-) |
| | Black | GND |
| IN - 2 | Brown | IN2 (+) |
| | Black | GND |

1. Use only UY IDC Connector for the cables.
2. Connect the connector directly without stripping the cable ends.
3. Make sure that the connector is pinched with pliers.

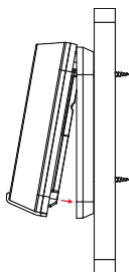
3. Assembly



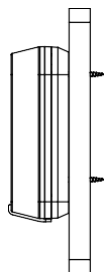
1. Locate the correct spot for fitting the bracket and fix it to the surface as indicated in the image above.
 - If the required space on the surface for cable connection is not provided, a wall mount can be supplied from the manufacturer.
 - For devices with the active Bluetooth Mobile Access feature, the distance between readers should be minimum 1 meter.
 - For easy device use, the recommended instalment height is 120 cm.
2. After the cable connections are completed, proceed with the installation by following the steps below.



Step 1



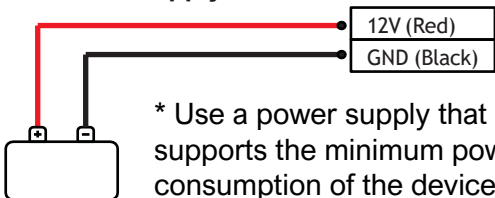
Step 2



Step 3

* Follow the Safety Instructions when designating the device instalment location.

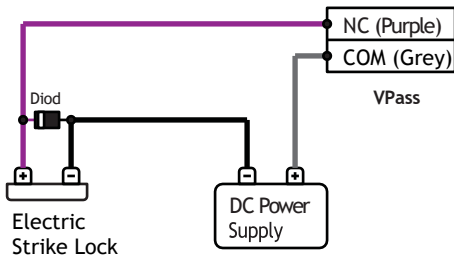
3.1 Power Supply Connection



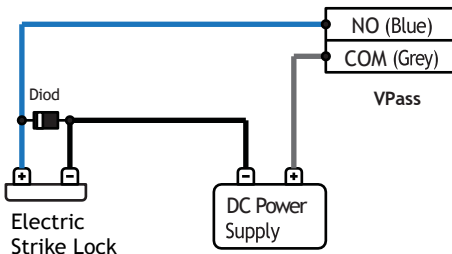
* Use a power supply that supports the minimum power consumption of the device and complies with IEC/EN 62368-1 standards.

3.2 Relay Connection

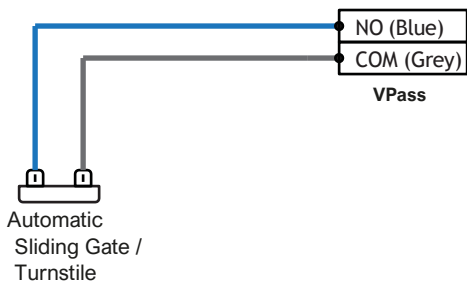
On - When Power Fails



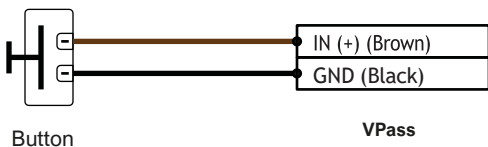
Locked - When Power Fails



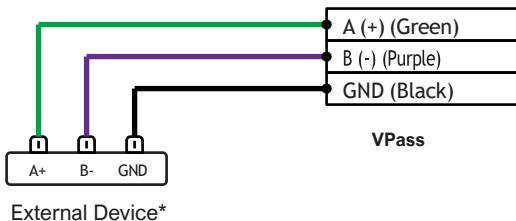
3.3 Automatic Gate / Turnstile Connection



3.4 Button / Sensor / Magnetic Contact Connection



3.5 RS-485 Connection

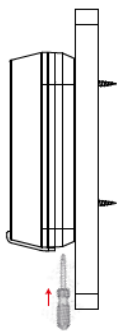


* Please contact the manufacturer for supported device models.

4. Disassembly



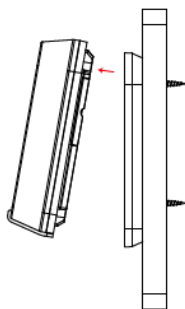
- 1 - To disassemble the product, make sure that the device and all connected equipment are not connected to power.
- 2 - Disassembly can be completed by following the steps below.



Adım 1*



Adım 2



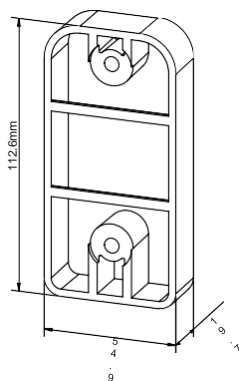
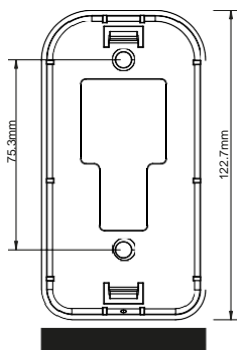
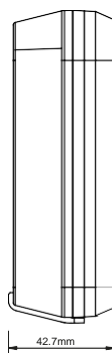
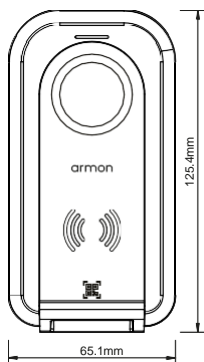
Adım 3

* A screwdriver with a maximum thickness of 2mm can be used.

5. Product Specifications

| | |
|-----------------------------|--|
| Access Methods | Mifare, Bluetooth, NFC, QR, MRZ (Optional) |
| Power | 12V DC - 0.67A |
| PoE | IEEE802.3af, Min: 8 W |
| Processor | Cortex™-A7, 900 MHz |
| Memory | DDR3L, 512 MB |
| Internal Storage | eMMC, 8 GB |
| External Storage | Micro SD, max. 64 GB |
| RTC | Internal, 3V CR1220 |
| Ethernet | 10/100 Mbps |
| Wi-Fi | Internal, 802.11b/g/n |
| LTE | 4G LTE (Optional) |
| RS-485 | 1 Channel Master |
| RS-232 | -- |
| Wiegand | -- |
| Relay | 1 Piece - max. 30VDC, 2A |
| Visual Notification | Multicolor Led Indicator |
| Audio Notification | Speaker |
| Assembly Type | Wall Mounting |
| Operating Temperature Range | -20°C ~ 50°C (-4°F ~ +122°F) |
| Weight | 300 gr |
| Certificates | |

5.1 Sizes



SCALE 1:3

6. Warranty Terms

1. The warranty period begins from on the delivery date of the goods and lasts for two years.
2. The warranty covers all parts of the goods.
3. If the goods are found to be defective, the consumer shall have the right to exercise the following rights under Article 11 of Law No. 6502 on the Protection of Consumers:
 - a. To rescind the contract,
 - b. To request a discount on the sale price,
 - c. To request repairs free of charge,
 - d. To request that the sold product be replaced with a defect-free equivalent,
4. If the goods fail during the warranty period due to defects in materials, workmanship, or assembly, they shall be repaired at no charge under labour cost, the cost of the replaced part, or otherwise.
5. In the event that the consumer exercises the right to free repair and
 - the goods fail again within the warranty period,
 - the maximum time required for repair is exceeded, and
 - it is confirmed by a report issued by the authorised service station, seller, manufacturer, or importer that repair thereof is not possible, the consumer may demand a refund of the price of the goods, a discount in proportion to the defect, or, if possible, the replacement of the goods with a defect-free equivalent.
6. In the event that the goods fail within the warranty period, the time spent in repair shall be added to the warranty period. The repair time of the goods is maximum 20 working days. This time begins on the reporting date of the goods to the service provider or, in the absence of a service provider, to one of the seller, dealer, agency, representative, importer, or manufacturer of the goods. If the failure of the industrial good is not repaired within **10 working days**, the manufacturer or importer is obliged to allocate another industrial good with similar characteristics to the use of the consumer until the

good is repaired.

7. Any modification of the goods, tampering except authorised service, improper maintenance by the customer, or failures caused by a product for which our company is not responsible are not covered by the warranty.
8. The warranty does not cover failures caused by using the goods in violation of the user manual's instructions.
9. The warranty period of the goods replaced upon exercise of the warranty is limited to the remaining warranty period of the purchased goods.
10. The consumer may resort to the Consumer Arbitration Board or the Consumer Court wherever the place of consumer residence is located or where the procedure takes place in case of disputes that may arise in connection with the exercise of the rights under the guarantee.

7. Warranty Information

Manufacturer or Importer

Title : Armon Teknoloji A.Ş.

Address : ODTÜ Teknokent Bilişim İnovasyon Merkezi,
Mustafa Kemal Mahallesi, Dumlupınar Bulvarı, 280/G,
Kat:5, No:512, 06530, Çankaya / Ankara

Phone : 0 (850) 202 06 06

Web : www.armongate.com

Signature and Stamp

Product Model : VPass

Product Brand : Armon

Product Type : Multi-Factor Reader

Warranty Term : Two Years

Banderol and Serial No :

Delivery Date and Place :

Invoice Date :

Invoice Nr :

Maximum Repair Time : 20 Days

Accredited Dealer/Service

Title :

Address :

Phone :

Fax :

