



Access Control Terminal Product User Manual

Please read this carefully and keep it properly.

- FCS525 -



Suzhou Fanxi Technology Co., Ltd.

DISCLAIMER

Please read all the contents in this document carefully before using the product to ensure the safe and effective use of the product. Do not disassemble the product or tear off the seal on the equipment, otherwise Suzhou Fanxi Technology Co., Ltd will not assume the responsibility of warranty or replacement of the product.

The pictures in this manual are for reference only. If any picture is not consistent with the actual product, please refer to the actual product. Suzhou Fanxi Technology Co., Ltd reserves the right to modify the documents at any time without prior notice for the upgrade and update of this product.

The risks of using this product shall be borne by the user at his own risk. To the maximum extent permitted by applicable laws, Suzhou Fanxi Technology Co., Ltd shall not be liable for any damage and risks arising from the use or inability to use this product, including but not limited to direct or indirect personal damage, loss of business profits, interruption of trade, loss of business information or any other economic losses.

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1. Preface

Thank you for using the FCS525 Access Control Terminal device provided by Feocey. Carefully reading this document can help you understand the functions and features of this device, as well as quickly master the use and installation methods of the device.

1.1. Product Introduction

The FCS525 series adopts an IML film-coated panel, with spray-painted zinc alloy frame, and sheet metal backplane. It is equipped with capacitive touch buttons and an NFC coil to realize password and card swipe recognition. The entire series comes standard with Bluetooth. The device is available in a variety of colors to suit different decoration styles.

The distinctive features of this series of products are beautiful appearance, excellent texture, and good integration, which can be adapted to various scenarios.

1.2. Product Features

- All models come standard with IC, touch password buttons, buzzer prompt, doorbell output, relay door opening, and tamper detection.
- All models come standard with Bluetooth. Support WIFI wireless network connection, optional.
- Built-in whitelist, can be used as an access control all-in-one machine.
- Equipped with a dedicated access control APP for more convenient settings. Devices bound to the APP can realize contactless door opening by connecting to Bluetooth or network.
- Skin-feel panel, 6.8mm ultra-thin.

1.3. Usage Notes

1.3.1. Wiring Requirements

For unused pins, insulation treatment must be done!

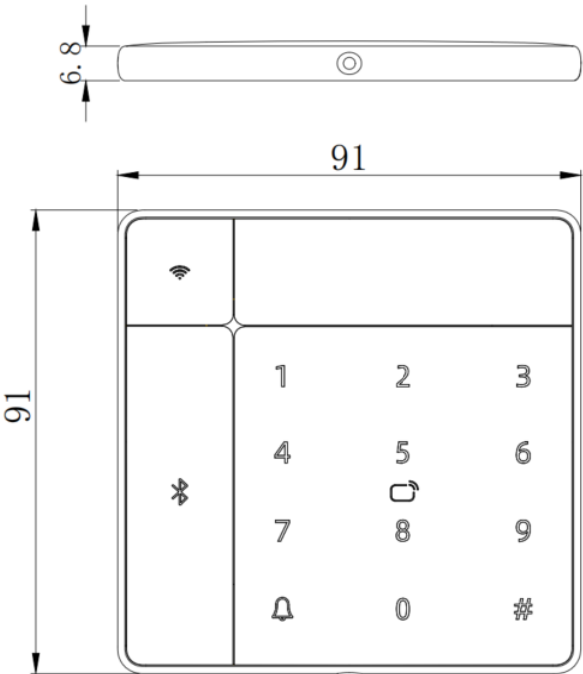
If the device is damaged due to short circuit caused by failure to do insulation treatment, the user shall bear the responsibility!

2. Product Structure

2.1. Appearance Rendering



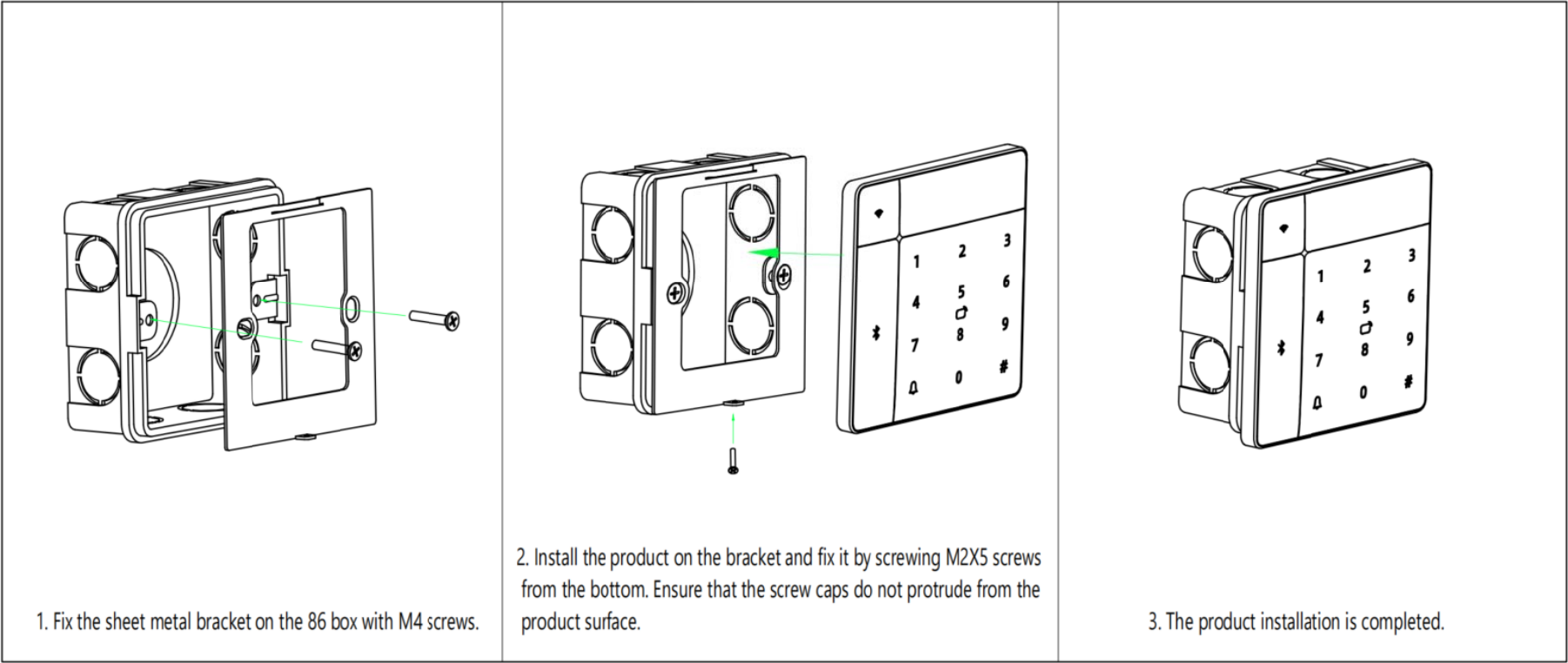
2.2. Product Dimension Drawing



2.3. Installation Method

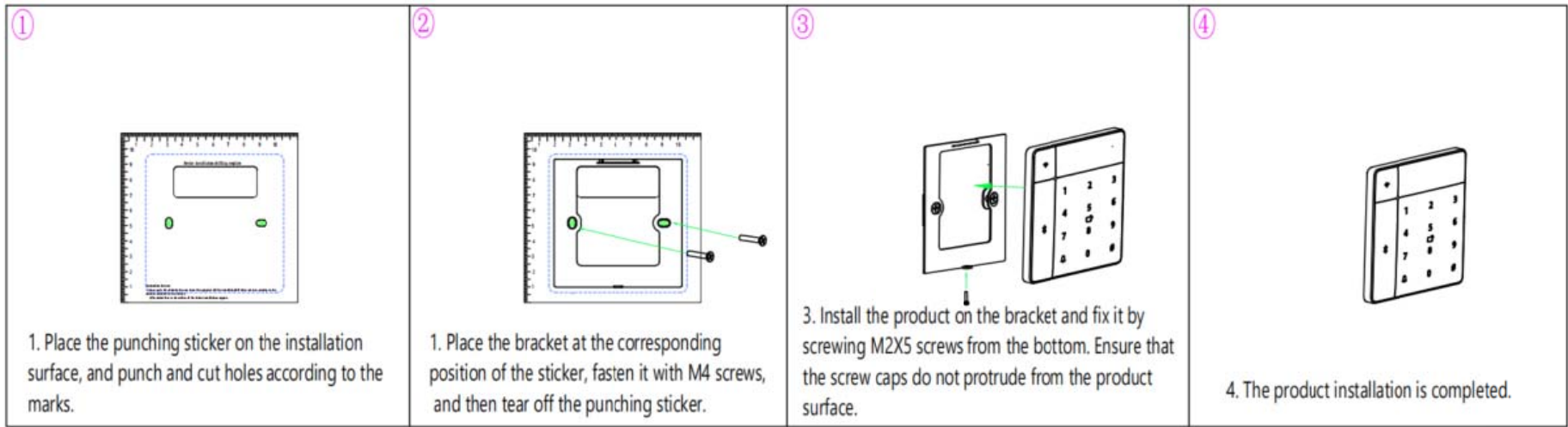
2.3.1. 86 Box Installation

Installation Schematic Diagram of FCS525-86 Box



2.3.2. Installation without 86 Box

Installation Schematic Diagram of FCS525 Wall-mounted Installation



2.3.3. Interface Description

1、The output interface uses a PHB1*8P terminal with half-stripped wires, which can be connected to power supply, electromagnetic lock, doorbell, etc. Please wire according to the definition of the terminal wire label. The wire label description is as follows:

Serial Number	Wire Label Definition	Wire Label Description	Wire Color
1	VCC	Power Positive	Red
2	GND	Ground	Black
3	BELL	Doorbell	Green
4	GND	Ground	Gray
5	D0	Wiegand 0	Purple
6	D1	Wiegand 1	Yellow
7	NO	Normally Open	Blue
8	COM	Common	Brown

3. Technical Parameters

Category	Configuration/Feature	Description/Parameter
Whole Machine	Product Type	Access Control Terminal
	Product Model	FCS525
	System	Bare Machine
	Storage	512KB flash
	Operating Voltage	9-15V
Network	WiFi	2.4G WiFi After the device is successfully added, open the app, Click on "Network Configuration" in the configuration tool, enter the correct Wi-Fi name and password, and a connection will be established after confirmation.
Appearance	Shape	IML film-coated panel, aluminum alloy frame, ultra-thin design
	Material	Front shell: IML film-coated panel, aluminum alloy frame Rear shell bracket: sheet metal bracket
	Color Matching	Matte black panel and side frame, gold-plated edge, black and gold color matching
External Interfaces/Lead-out Wires	Electrical Interface	Power supply, doorbell control, 30V/1A relay
	Physical Interface	8-pin half-stripped wire
Password Buttons	Capacitive Touch	12-key capacitive touch, 0-9 numbers, "Doorbell", "#"
IC Card Swipe	NFC Protocol	ISO14443A/ISO1443B UID reading
	Distance	0~5cm (ordinary card, mobile phone) 0~3cm (ID card)
	Frequency	13.56MHz
	Stability	No more than 5 missed swipes in 100,000 consecutive swipes
	NFC Usage Instructions	Open the app, add a card in My Credentials, then place the NFC card against the device surface to complete enrollment and finish registration successfully. After registration, hold the NFC card against the device surface to perform NFC card verification.
	ESD Protection	Contact 8KV, Air 15KV
	Surge	Conventional standard

Environmental Characteristics	Operating Temperature	-30～70℃
	Storage Temperature	-40～80℃
	Humidity	40%～95%

4. Precautions

- 1、The device is designed to be powered by 9 – 15V. It can obtain power from the access control power supply or be powered separately. Excessive voltage may cause the device to malfunction or even be damaged.
- 2、Do not disassemble the device privately, as it may damage the device.
- 3、For devices using WIFI, a good network environment is required. Otherwise, it may cause connection failures with the server.
- 4、The wiring of the card – swipe access control device should be firm and reliable. Ensure insulation between wires to prevent short – circuits that may burn out the device.
- 5、The card – swipe access control device outputs switch – quantity signals. In access control scenarios, it can be connected to the original access control system according to the original system's normally – open or normally – closed connection method.

5. FCC WARNING

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. 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 into 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.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

RF Exposure Statement

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance of 20cm the radiator your body. This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter.