

FKFP-PRO2 Access Control Device

Quick Start Installation Guide

Overview



FKFP-PRO2 Access Control Device

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Installing Unit

1. Make sure all cables have been run to the proper location and that the electronic lock, door sensor and exit request button/motion detector are installed.
2. Place the mounting template sticker onto the wall, and drill holes according to the symbols.
3. Mount the back plate onto the wall.
4. Connect input/output cables, Ethernet, and the power supply to the device.
5. Attach the device onto the back plate with tamper proof screws.

Note: Install the device 45 inches above the ground. Height may be modified if the average height of users varies significantly.



Place sticker (mounting template) on wall. Drill holes as indicated.

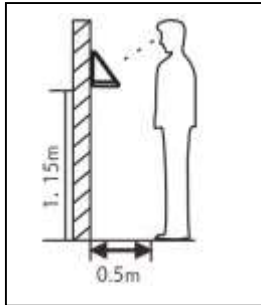
Mount mounting plate to wall using the 4 screws provided or use your own.

Connect cables, then secure the FKFP-PRO2 device to mounting plate. Device is connected, at an angle, to tabs on the mounting plate. Then rotate down until the tabs at the bottom of mounting plate are inserted into the slots in the device.

Secure the FKFP-PRO2 using 2 tamper proof screws. Driver and screws provided. Device is secured so that the tamper switch is engaged.

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How to Enroll the Face

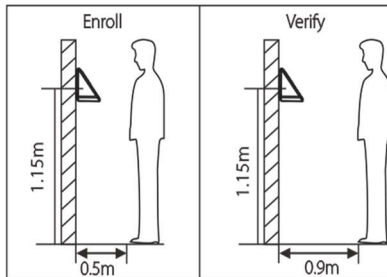
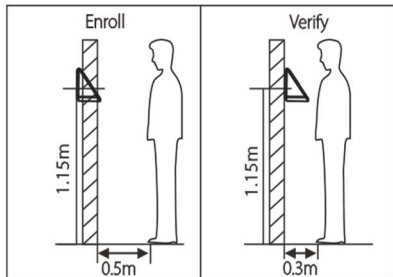
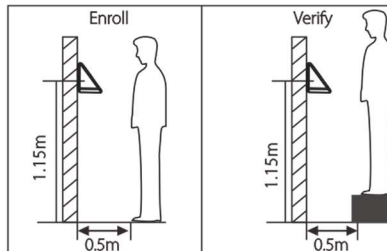
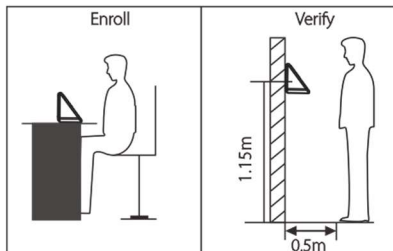


Position to Stand During Enrollment

Install the device at 45 inches above the “ground”. This height will easily accommodate users that are 5 feet to 6 feet tall. Adjust the height of the device if the height of the average user varies significantly.

Conversion Chart		
CM	Inches	Feet
150	59.05	4.92
180	70.86	5.91
115	45.27	3.77

For accurate verification, follow guidelines below.

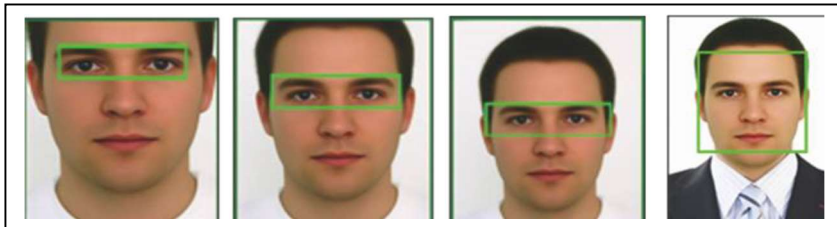


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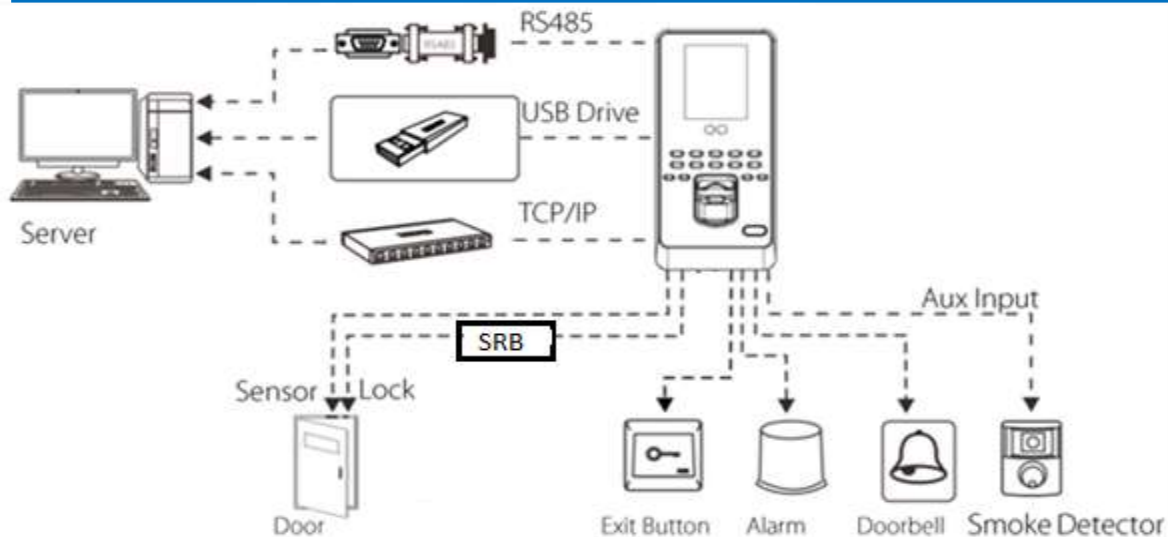
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How to Enroll Face (continued)

1. During enrollment, the enrollee must position their eyes directly in the green box on the device and follow the instructions prompted by the device.
2. During enrollment of the face, the enrollee will move/step back a little from the device in order to keep eyes positioned in the green enrollment rectangle. This process will take several seconds to complete. Device saves face automatically.

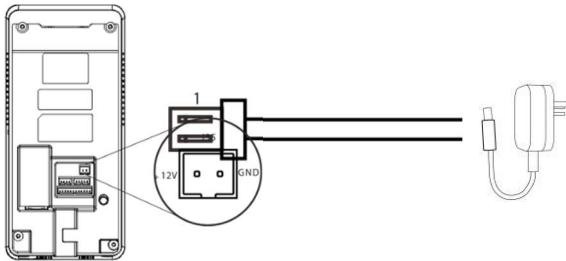


Access Control System Diagram



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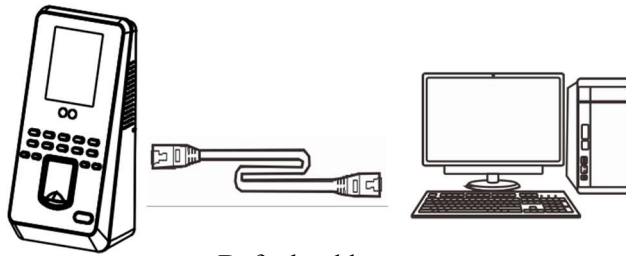
Power Connection



PIN	Slot	Color
1	Power Input	Red
2	Ground	Black

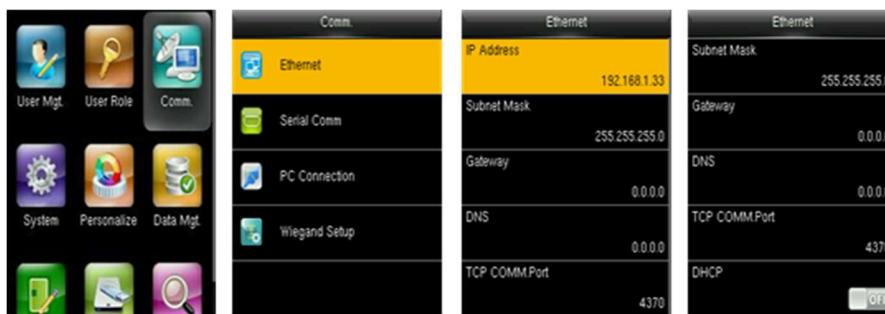
Recommended Power Supply: 12V+-10%, Voltage > 500mA.
If it is necessary to share the power supply with other devices, the recommended power supply should be greater than the actual work voltage.

Software Connection via Ethernet



Default address

Setting Network Parameters



Press M/OK>Communication Setting>Network Setting.

The parameters are by default set. Modify according to your actual network and your requirements.

IP Address: 192.168.1.201 is the default.

Subnet Mask: 255.255.255.0 is the default.

Gateway: 192.168.1.254 is the default.

DNS: 0.0.0.0 is the default.

TCP Communication Port: Default 4370.

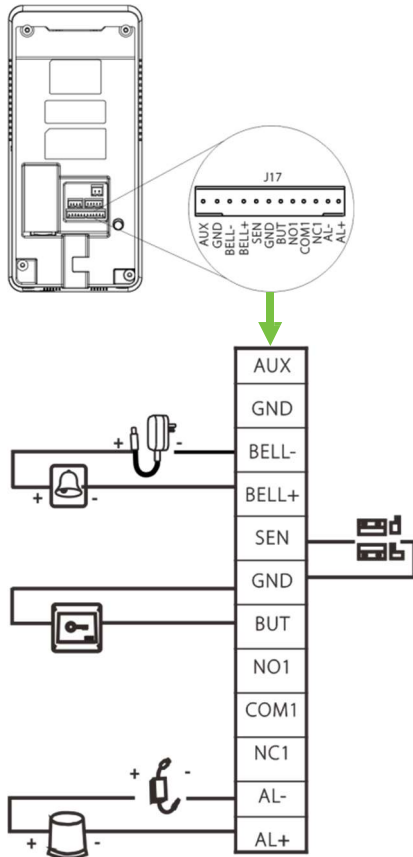
DHCP: Dynamic Host Configuration Protocol, which is to dynamically allocate IP addresses for client via their server. If DHCP is enabled, the IP cannot be set manually.

Display in Status Bar: To enable or disable displaying the Network Connection Icon in the Status Bar.

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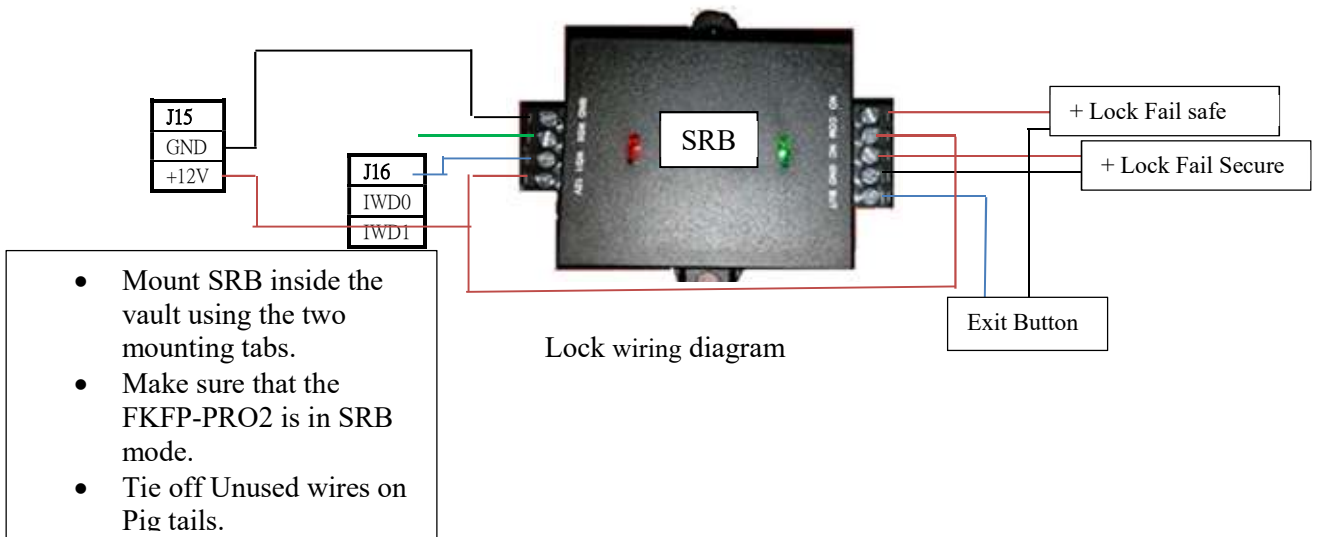
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Pin Connector Wiring



Pin	Description	Color
1	Auxiliary input	Brown
2	Ground	Purple
3	Doorbell	Green
4	Doorbell	Orange
5	Door Sensor	Yellow
6	Ground	Red
7	Exit Button	Blue
8	Normal Open (NO1)	White
9	Common (COM1)	Black
10	Normal Close (NC1)	Grey
11	Alarm (-)	Black
12	Alarm (+)	Red

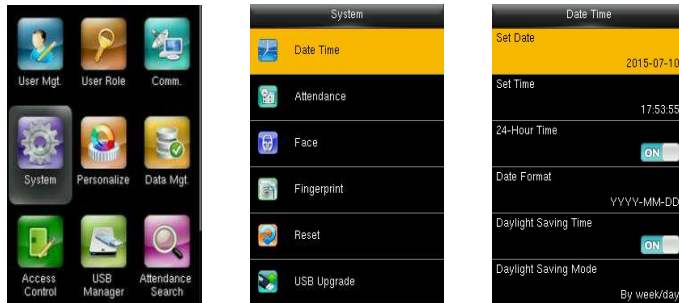
From J15	To Pin of SRB	Description		
GND	GND	Ground		
+12V	12V	+12VDC output		
From J16	To Pin of SRB	Description	From SRB	To lock (Color)
WD0	WD0	Wiegand WD0 Output		
WD1	WD1	Wiegand WD1 output		
		Normally Open-Door Lock	NO	Lock (Red)
		Common Door Lock	COM	Lock (Black)
		Normally Closed-Door lock	NC	Lock (Red)
		Ground	GND	-Exit Switch
		Exit request	But	+Exit Switch



Lock wiring diagram

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Date & Time Setting

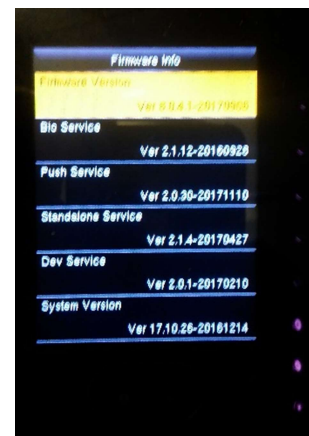


Press the M/OK key on the keypad of the FKFP-PRO2.

Wiegand output setup for SRB

Follow the below instructions to setup the SRB communication.

1. Press the M/OK key on the keypad of the FKFP-PRO2
2. Press the down arrow key to highlight the Comm icon.
3. Press the M/OK Key
4. Down arrow key to select Wiegand
5. Down arrow Key to select the Wiegand output
6. If SRB is “On” press the ESC Key to exit otherwise continue to Step 7 to turn on SRB.
7. Press M/OK key
8. Select the SRB and press the M/OK key to turn on SRB
9. Press the ESC Key several times to exit back to main window
10. Please Restart the FKFP-PRO2
11. FKFP-POR2 is ready now to be used with the SRB



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Troubleshooting

1. The fingerprint reader does not read and verify the fingerprint.
 - a. Check the finger: Is the finger wet? Is the fingerprint reader wet or dusty?
 - b. Clean the finger and the fingerprint reader and try again.
 - c. If the finger is too dry, blow on it and try again.
 - d. Verify access privileges.
 - e. Reenroll the finger or choose another fingerprint to enroll if still unable to read fingerprint.
2. The message “Invalid time zone” is displayed after verification of enrollment.
 - a. Contact Administrator to confirm that user has access privileges during that time zone.
3. Verification is successful, but the user cannot open the gate.
 - a. Check the user’s privileges to make sure they are set correctly.
 - b. Make sure the lock wiring is correct.
4. The Tamper Alarm rings.
 - a. Check mounting plate install to ensure that the FKFP-PRO2 is mounted correctly so the Tamper switch is engaged.

Updated May 2018