Fingerprint reader
FP1000/FP1200

Art. No.: 480050 (FP1000)
Art. No.: 490050 (FP1200)

User manual

Acces Granted

$C \in$

Introduction

FP1000/FP1200 is a flexible fingerprint reader for many different functions.
A display is included for indication and status of reading the finger.

By standby shows the display **Swipe**.
By approved fingerprint shows the display **Scanned slot x** and the green LED lights.
By wrong fingerprint shows the display **Unknown/Bad Image** and the red LED lights.

Installation

The display is mounted at the top of the frame with the screw holes at the top and/or bottom.
Note display direction - ⊃⊂ at the label must sit at the bottom right.

If it is necessary to secure the lower part of the frame can be done with the enclosed steel clamps.
Steel clamps mounted first on the wall and the frame is drawn in under the 2 clamps.

Electrical connactions

Use the followed assembly box (CVT1r) and connect as shown.

Terminal	Wire	FP1000	Display	Relay	Notes
1	Red	9 - 42V DC	Red		
2	Black	0V	Black		
3	Blue	485 bus	Blue		
4	Orange	485 bus	Yellow		
5	Black	As clamp 2			
6	Brown	Reset 0V active			
7	Yellow	REX 0V active			REX connected between terminal 7 and 2
8	White (D1)	OC1 0V active			
9	Green (D0)	OC2 0V active			This output activates the relay
10				NC	
11				C	
12				NO	

Fingerprint reading

Proper reading of a finger is very important. The input provides data for future readings. Therefore, it is important to exert a little.
The whole finger surface must be readed (left image), not only a part of the finger (right image). Index and middle gives the best image for reading.

The first enrollment

Admin-finger

The first finger you enroll will be the Admin-finger. It can be done when the red LED lights and the **Enrolling** is typed on the display (means that the fingerprint reader is empty - ready for new installations). If the LED is not red - see "Reset FP1000/FP1200".
Enroll the finger you want to be Admin-finger down over the sensor untill the display says **100%** and the LED lights green. (Finger must be enrolled min. 4 times - often up to 8 times). See under "Fingerprint reading". The Admin-finger does not allow access, but can be used for all entries/configuration of the reader.

Navigation

The sensor also works as a cursor. By scrolling down your finger over the the sensor are different menues showing on the display. By clicking on the sensor selects the displayed menu.

Enrolling users

Swipe the Admin-finger and the display shows **Enroll user**. Click on the sensor (to accept that you want to enroll a new finger) and the display writes **Enrolling**. Then swipe the finger you want to enroll a user (min. 4 times often several times) untill there is 100% and the LED turns green. Then the finger is enrolled. There is space for 50 fingerprints.

Reset FP1000/FP1200

Disconnect the power, press the tamper switch on the assembly board (connect power), hold the tamper switch button down untill the red LED on the fingerprint reader lights - now is the reader reset.

List of text written in the display

The text i the numbers from 2 to 13 are the ones that comes first.
The rest of the text are "sub-menus" and appears in the administration and the system.

1	Display text	Note 1	Note 2	
2	**Enrolling**	Enroll Admin-finger		Red LED
3				
4	**Swipe**	Swipe finger for access		
5	**Enroll user**	Enroll new user		
6	**Delete user**	Delete user		
7	**List users**	View users		
8	**Setup output**	Set output to Wiegand or time		
9	**Setup users**	Set the users to the desired output and function		
10	**Enroll Admin**	Enroll a Admin-finger		
11	**Show Admin**	Show the number of the Admin		
12	**Factory default**			
13	**Exit**			
14	Back			
15				
16	Change slot x	Change finger x (function)		
17				
18	OC1 Pulse		White wire	
19	OC2 Pulse		Yellow wire	
20	OC1 Toggle			
21	OC2 Toggle			
22	Wiegand		Data output	
23	OC		Open collector output	
24	OC1 Pulse time		White wire	
25	OC2 Pulse time		Green wire	
26	OC 5 sec			
27	Yes			
28	No			
29	Unknown	Unknown fingerprint		Red LED
30	Bad image	An known fingerprint - access denied		Red LED
31	Scanned slot 1	An known fingerprint - gain access		Green LED
32				
33				