

# PRintX-FPR

## Fingerscan Recognition Reader



A biometric fingerprint reader providing the highest security level for employee recognition. Operates in conjunction with Synel's access controllers.

### Features

- Validates thousands of cardholders
- Less than one second to authorize access
- Reliable, attractive and compact design
- All operations straight from the reader



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# PRintX-FPR

Fingerscan recognition reader provides fast positive employee recognition.

No two individuals in the entire world have similar fingerprints. What better way to positively identify someone who wants to access a highly sensitive location? PPrintX-FPR lets you acquire a fingerscan and compare it against a database, all within record time.

## How it Works

- Each employee desiring access enrolls in the system by scanning his/her finger at an enrolling station, where the image is converted into a template and stored in the reader.
- Each employee is issued an entry badge with his/her name and employee number associated to it. Proximity badges are recommended for maximum protection against duplication, although magnetic stripe and barcode cards are appropriate, as well.
- The employee swipes his/her card at the Access Control terminal for recognition.
- The employee then places his/her finger on the PPrintX-FPR for quick verification. Within approximately 1 second, a comparison is made between the stored template and the fingerscan readout. If a match is made, access is granted; if not, access is denied.

## Modes of Operation

The PPrintX-FPR reader permits three basic operations:

1. Enroll - new fingerprint recognition and new fingerprint template generation.
2. Verification - comparison of the finger being scanned with the corresponding stored template in a location specified by the card (one to one comparison)
3. Identification - comparison of the fingerprint being read with the entire database of stored templates
3. Erase - deleting one or all stored templates from memory.

## Technical Specifications

- Template size: 500 bytes
- Available security levels: very high, high, average, low and very low
- False acceptance/rejection: 0.003 (average security level)
- Sensor type: active capacitive
- Connects to SY-400

## Physical Characteristics

**Dimensions:** 15.5 x 7 x 6.1 cm  
**Weight:** 350 gr.  
**Operating temperature:** -10 to 50°C)  
**Relative humidity:** 95%  
**Communications:** asynchronous, 57,600 b/s, TTL interface  
**Power supply:** 5 V DC  
**Performance:**  
 Allowable finger rotation : +/- 18 degrees  
 Allowable displacement: +/- 5 mm  
 False acceptance ratio: up to 0.001  
 Equal error rate: 0.001  
 Verification time: <1 second  
 Enrollment time: <5 seconds



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