PRintX-FPR

Fingerprint recognition reader

A biometric fingerprint reader - the highest security level for personnel recognition

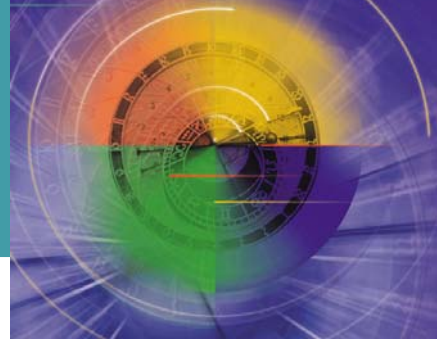
TC sensor - PrintX-fpr/TC

Optical sensor - PrintX-fpr/OP

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

SYNEL
Presence Perfect

PRintX-FPR



Fingerprint recognition reader for 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?
PRrintX-FPR lets you acquire a fingerprint and compare it against a database, all within record time.

How does it work?

- Usually, every worker is issued an entry badge with his name and employee number. Proximity badges are recommended for maximum protection against duplication, although magnetic stripe and barcode cards are appropriate, as well. The employee swipes his card in the Access Control terminal for recognition. Each employee desiring access has his own fingerprint template stored in the reader.

- The employee then places his finger over the PRintX-FPR for quick reading. Within approximately 1 second a comparison is made between the stored template and the fingerprint readout, and if successful, access is granted.

Fingerprint Sensor Options

Optical sensor

- Has an extremely durable and scratch resistant sensor surface
- Can recognize virtually everyone's fingerprint quickly and reliably
- Has a solid sensor surface

Capacity sensor

- Has relatively hard coated surface as a solid state sensor

Modes of Operation

The PRintX reader allows for three basic operations:

1. Enroll - new fingerprint recognition and new fingerprint template generation.

2. Verification - comparison of the fingerprint being read 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 (one to many comparison).

4. 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)
- Connects to SY-400

Mechanical Features

- Dimensions: 15.5 x 7 x 6.1 cm
- Weight: 350 g (including cable)
- Operating temperature: -10 to +50°C
- Relative humidity: 95%
- Communications: asynchronous, 9600 b/s, TTL interface
- Power supply: 5 Vdc
- 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 s
Enrollment time	<5 s

Synel Industries Ltd.
Yokneam Industrial Park, POB 142, Yokneam 20692, Israel
Tel: +972-4-9596760 Fax: +972-4-9590729
e-mail: info@synel.co.il Website: www.synel.com

Pictures in this brochure are for illustration purposes only.
The technical data sheet packed with the product is the only obligatory source of technical information

SYNEL Presence Perfect