

PRintX-FPR-40/B

Stand-alone Biometric Access Solution



The latest addition to Synel's series of access control products is the PRintX-FPR-40/B stand-alone biometric access control solution.

The proximity and biometric units are adjacently installed at sensitive locations for granting access to secure zones.

Setup, management of authorized, and definitions are all done locally, in a simple manner, by the keyboard. Defining parameters in PRintX-FPR-40/B is simple, while maximum security is facilitated by using a user-defined Master code with up to 100 million possibilities.

The templates and an authorized list are created and edited using the keyboard.

The PRintX-FPR-40/B comprises 2 solutions:

1. PRintX-FPR-40/BV is a combined proximity and fingerprint reader. It is a unit designated for access control and operates with a fingerprint verification version. The PRintX-FPR-40/B works with various unit settings, according to the security level required at a specific location. Access is available for up to 9,000 card holders.

2. PRintX-FPR-40/BI is the fingerprint identification version, which does not require the use of a badge. The finger is placed on the sensor and acceptance or rejection is immediately achieved. In this version, the keyboard unit can be installed behind the wall, as it is being used for setup purposes only. Access is available for up to 9,000 authorized people.

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Technical Specifications

- Maximum proximity reading range: 10 cm (4 inches)
- Operating Frequency: 125 kHz
- RS-232 or RS-485 (ASCII); 9600 b/s
- Storage for 3,800 templates (/V version) and 9,000 templates (/I version)
- The PRintX consists of a solid-state sensor (300x300 pixels in a 0.6 square inch array) packed in a modular case
- False rejection rate: 0.001
- False acceptance rate: 0.001

Man-machine Interface

- Indicators for power, card presence/rejection and keyboard entry on both keyboard and fingerprint unit
- 10-digit keyboard
- Bell button
- Buzzer for audio confirmation of operations
- A tri-color indicator LED on fingerprint unit

Mechanical Features

- Dimensions: 15.5 x 7 x 6.1 cm
- Weight: 350 g (including cable)
- Operating temperature: 0 to +60° C
- PRX-40 Power supply: 12Vdc @0.5A
- PRintX Power supply: 5Vdc @1A
- Output relay rating: 24 V @3 A
- Tamper sensor output TTL level max @16 mA

Package Content

- PRX-40/B proximity reader
- PRintX-FPR/P biometric reader
- PRintX-FPR/P power supply adaptor: 5 Volt/1 A stabilized wide range input 100-240
- AC input
- RJ-11 Connection box with 5V power input
- RJ-45 Connection box
- Four 3.5x50mm Philips screws for position A, four 3.5x19mm Philips screws and four for position B, four Brick/Plaster anchors
- Mounting template
- User manual

Recommended: PRX-40 Power supply adaptor: 12 to 15 Vdc, max @880 mA

Schematic Diagram of Installation

