



FingerKey® DX Series

Fingerprint Readers

Fingerprint

The FingerKey product measures unique fingerprint pattern characteristics to verify the person's identity. In conjunction with a pin or smart card, the enrolled individual can gain access to the facility.

How to verify

- Enter ID
- Place finger on sensor using ridge lock to ensure correct placement
- Optical sensor captures an image of your fingerprint
- Algorithm extracts unique points from the image
- Algorithm then converts the data into a unique mathematical template
- FingerKey compares the information with the original template
- User's identity verified and their access control privileges checked



Style, quality and lots of options

With the FingerKeys, your fingerprint is your credential for reliable one to one matching.

- High quality optical sensor
- Stylish terminal with keypad and LCD easily blends into any environment
- Various options for external card reader inputs
- Flexibility to write template on smart card instead of on a database for higher security and unlimited user population
- Field upgradeable and expandable memory options from 250 to 2,000 users for scalable security that grows with your needs
- Configurable Wiegand output to suit your specific needs
- Field upgradeable Ethernet
- Tough polycarbonate construction

Models	DX-2000	DX-2100	DX-2200	DX-2400
Description	FingerKey with 250 user memory	FingerKey with integrated HID Prox. reader	FingerKey with integrated HID iClass reader	FingerKey with integrated MIFARE or Desfire reader

Base Model **DX-2000**

Description	Fingerprint reader with base memory for 250 users
Verification Time	≤ to 2 seconds for comparison to reference template
ID Number Length	1 – 15 digits
Duress Code	Alternate finger
Communication	RS-232: Baud rate 4900 to 57600 bps RS-422: Baud rate 4900 to 57600 bps Optional Ethernet: 10 Base T
Template Size	400 bytes per template, 2 templates per finger
User Memory	250 users expandable to 2,000 users
Inputs	Card reader inputs: Standard: 26 bit, 9 bit ID Wiegand Optional: Mag stripe, bar code, smart card
Outputs	Card reader emulation mode: Wiegand, mag stripe
Event Monitoring	Tamper: FingerKey opened or removed ID refused: User not verified after user definable number of tries exceeded Duress: User entered duress code digit
Programmable FingerKey Commands	<ul style="list-style-type: none">• Add / remove users• Set global operating thresholds• Set individual user data (authority or threshold levels, time zones)• Transmit data from Master to Remote• Data received by Master from Remote• Transmit / receive data from optional software• Check status of door (Tamper, Door monitor switch)• Set language
Antimicrobial	NA
Blue Hand Outline	NA
Dimensions WxHxD	5.31 in. x 5.03 in. x 2.98 in. 13.49 cm x 12.78 cm x 7.57 cm
Power Requirements	12 VDC +- 10% reg. 0.5A max
Weight	1.00 lbs (0.45 kgs)
Temperature	Operating: 0 deg C to + 45 deg C / 32 deg F to 113 deg F Non-Operating (Storage): -10 deg C to + 60 deg C
Relative Humidity	Operating: 20% to 80% RH Non-condensing Non-operating (Storage): 5% to 85% RH Non-condensing

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