B100 Series™
Swipe-Fingerprint Readers

DATA SHEET

- High quality swipe-fingerprint readers in small, sleek, and attractive packages

- Available in swipe: fingerprint-only, fingerprint + card, and fingerprint + PIN

- Card reader models available with Keri NXT + HID 125 KHz Proximity or MIFARE/DESFire capabilities

- Stores up to 100 fingerprint templates

- Multi-color LED bar to indicate access status

- Compatible with Keri's NXT Controllers and PXL-500W Tiger Controller

- Industry standard Wiegand output for compatibility with most 3rd party access control systems

B100-S
Swipe-Fingerprint Only

B100-SKP
Swipe-Fingerprint + PIN

B100-SPX Swipe-Fingerprint + Proximity
B100-SSC Swipe-Fingerprint + Mifare

Keri's **B100™ Series Readers** provide reliable swipe-fingerprint reading in attractive and unobtrusive packages. Readers are available in fingerprint-only, fingerprint + card, and fingerprint + keypad versions. Typically used in higher security applications, they can be used either for primary user identification (fingerprint-only) or for secondary verification based on initial use of a card or PIN.

B100 Series Readers are compatible with Keri's NXT controllers with an NXT-WI Wiegand Interface, PXL-500W Tiger Controller, and 3rd party controllers that accept Wiegand-type readers. The readers contain an internal beeper and an LED bar to indicate fingerprint accepted and access granted/denied status for user feedback. Keypad and card models may be used outdoors with appropriate covers. Fingerprint template sharing between readers is done using RS-485 networking, with an option for TCP/IP. Keri's BioManager software is used for enrollment and template management.

KERISYSTEMS
INCORPORATED

2305 Bering Drive • San Jose, California 95131
408-435-8400 • Toll Free: 800-260-5265 • Fax: 408-577-1792

Specifications:

Sizes:
B100-S
   2.0" x 3.6" x 1"
   (51mm x 92mm x 25mm)

B100-SPX, B100-SSC, B100-SKP
   3.9" x 3.7" x 1.2"
   (100mm x 95mm x 30mm)

Weight:
B100-S: 12oz (.332 kg)
B100-SKP: 1.1lb (.491 kg)
B100-SPX: 1.1lb (.491 kg)
B100-SSC: 1.1lb (.491 kg)

Material:
B100-S: Molded Aluminum
B100-SKP: Molded Aluminum
B100-SPX and B100-SSC:
                   ABS Plastic

Color:
   Silver

Output:
   Wiegand (8-128 bits, 26 default),
   3' (1m) cable supplied

Connection Method:
   TCP/IP to first unit,
   RS-485 to subsequent units
   (TCP/IP optional)

Programming:
   Keri BioManager Software

Capacity:
   100 fingerprints
   (98 + 2 admin) / 98 codes
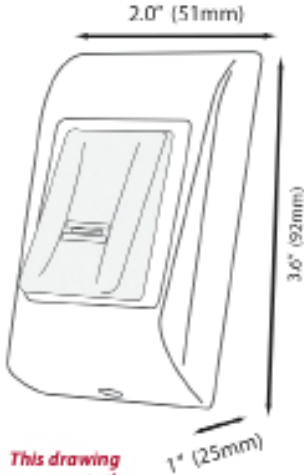
Sensor Type:
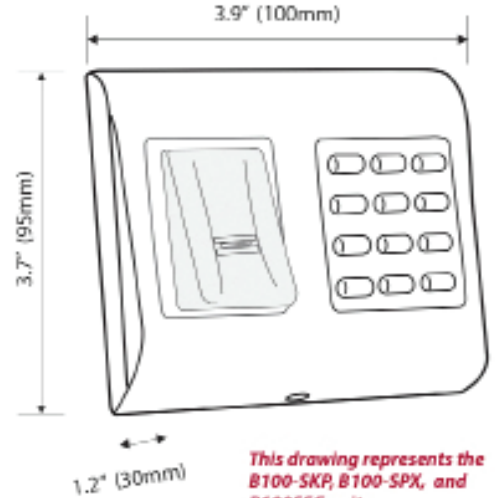   Capacitive swipe

1:1000 Read Time:
   970 msec

Supported Card Technologies:
   Keri NXT and HID 125 KHz,
   MIFARE Classic/Plus/Ultralight,
   DESFire EM or AWID available
   upon request

2.0" (51mm)

3.6" (92mm)

1" (25mm)

This drawing represents the B100-S unit

3.9" (100mm)

3.7" (95mm)

1.2" (30mm)

This drawing represents the B100-SKP, B100-SPX, and B100SSC units

Power Requirements:
   B100-S: +9-14VDC @ 100mA
   B100-SKP: +9-14VDC @ 120mA
   B100-SPX: +9-14VDC @ 200mA
   B100-SSC: +9-14VDC @ 130mA

Indicators:
   Red Green Amber LED, beeper and
   small programming LED

IP Rating:
   IP-65 (outdoor use with
   required covers)

Operating Temperature:
   5ºF to 122ºF (-15ºC to + 50ºC)

Specifications are subject to change without notice.

ORDERING INFORMATION:

Model #	Description
B100-S	Swipe-Fingerprint -Only Reader, indoor
B100-SKP	Swipe-Fingerprint Reader + Keypad
B100-SPX	Swipe-Fingerprint + Proximity Reader, (Keri NXT + HID 125 KHz)
B100-SSC	Swipe-Fingerprint + MIFARE Reader, (Classic/Plus, Ultralight, DESFire)

RELATED PRODUCTS:

Model #	Description
B100-SKP-SA	100 Template, Stand-Alone, Swipe-Fingerprint Reader + Keypad
KBF-MINI	Cover for single reader
KBF-CVR	Cover for double reader
KBF-SGP	North American Single Gang Mounting Plate
KBF-DGP	North American Double Gang Mounting Plate
KBF-CNV	RS-485 to TCP/IP Converter
KBF-ENR	Fingerprint Enrollment Station
DNET-BIO	BioManager Software for fingerprint management

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