



LNL-BIO-007

Three Factor Biometric Reader

Overview

The LNL-BIO-007 access reader is durable, dependable, and competitively priced. Designed for indoor or outdoor use, the reader combines three forms of authentication: proximity reader, PIN pad, and fingerprint sensor. The PIN and fingerprint authentication are standard; the proximity reader is optional. All three reader modes can be configured to support timezone control.

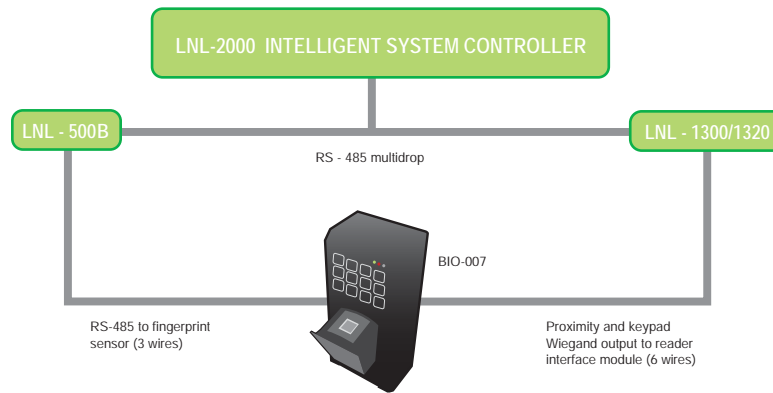
The BIO-007 transmits a credential number to the Intelligent System Controller through a Wiegand interface. The ISC then delivers fingerprint template(s) to the BIO-007 through the LNL-500B Biometric Gateway and matching is performed within the BIO-007. The results of the match are then returned to the Gateway for appropriate action and reporting to OnGuard.

The indestructible keypad is based on BaranTec's patented Piezo Switch technology. The power-driven Bioscrypt fingerprint sensor utilizes a powerful DSP processor. Unlike other biometric products, this sensor is hidden until a valid credential and/or PIN is presented. Then the fingerprint sensor door opens. After verification occurs, the fingerprint sensor door closes into a secure vandal-resistant position.

Features and Functionality

- 12 VDC power supply @ 1.8 amps
- Three factors of authentication: card, PIN, fingerprint
- Data output: Wiegand Data1/Data0
- Biometric output: RS-485
- Keypad interface: 8-bit burst
- Keypad layout: 4 across & 3 down
- Brushed aluminum finish, also available in black finish
- Vandal-resistant design
- Weather-resistant housing
- Three LEDs for reader status
- Audible indicator buzzer
- 24-month warranty





Reader Options

LNL-BIO007	Reader unit with PIN pad and fingerprint sensor.
LNL-BIO007-HID	Reader unit with built-in HID technology (HID 125 KHz proximity sensor).
LNL-BIO007-HIDW	Outdoor reader with thermal heat kit. Recommended for readers installed outdoors, where temperature is below -20° C.

Reader Finishes

Standard: silver finish

To specify the alternate finish, add the following suffix to the part number:

-B Black finish

Specifications

Primary Power (DC)	* The BIO-007 reader is for use in low voltage, power-limited, class 2 circuits only.
DC input:	12 VDC @ 1.6 amps (12 VDC @ 1.8 amps with use of thermal heat kit)
Environmental	
Temperature:	0° to 50°C, operating. (-20° to +70°C with use of thermal heat kit)
Humidity:	0 to 95% RHNC
Mechanical	
Case:	Brushed aluminum construction, anodized
Dimensions:	3.94 x 8.92 x 2.6 in. (10 x 22.66 x 6.06 cm)
Weight:	4.71 lbs. (2.1365 kg) nominal
Read range:	1 to 2 inches
Mounting height:	Between 48 and 54 inches recommended
Technology	
Supported:	Encoding: 125 KHz HID proximity cards
Sensor:	Bioscrypt
FAR:	(False Acceptance Rate) 0.2%
FRR:	(False Rejection Rate) 1.0%
Approvals	CE Marked