Smart, Safe, & Convenient Fingerprint Lock

ASL Series

- Fingerprint reader
- Password with Randomizer function
- Mechanical Key
- Silent mode
- Doorbell function
- Alarm function
- Emergency power input
- Compliant with RoHS

Lima's ASL02 is a smart lock with fingerprint reader. It features a robust locking system which can be opened using a fingerprint, a password, a card reader, or a mechanical key. It has a user management system that allows for up to 100 accounts, and is highly customizable allowing for users to require a combination of users or opening methods.

ASL02 uses 4 × AA batteries, and will warn users when the batteries requiring replacing. In case the batteries run out, there is an emergency power input terminal which can be used to power the device from the outside.

Key Features

Multiple opening modes

The lock can be opened with: fingerprint, password, card, key, and a combination of these methods.

Fingerprint sensor

Uses VGA CMOS, 360° detection angle, has a surface area of 15 mm × 19 mm, 500 dpi resolution, and has false fingerprint detection (<1/100000 chance of admitting an incorrect fingerprint).

Password

Has a randomizer function requiring up to 12 random digits to be input prior to password entry to prevent your password from being inferred based on fingerprints and frequently pushed numbers.

Combination opening method

Can be set so that two fingerprints are required for entry, fingerprint + password, fingerprint + card, two different users are required, etc. for additional security

User management

Normal users can only open the door while administrator users can change settings. Up to 5 administrators and 95 normal users can be set. Up to 5 administrator passwords, 15 normal user passwords, 10 temporary passwords, and 99 cards can be stored in the database.

Doorbell function

A button on the front panel activates the doorbell.

Alarm function

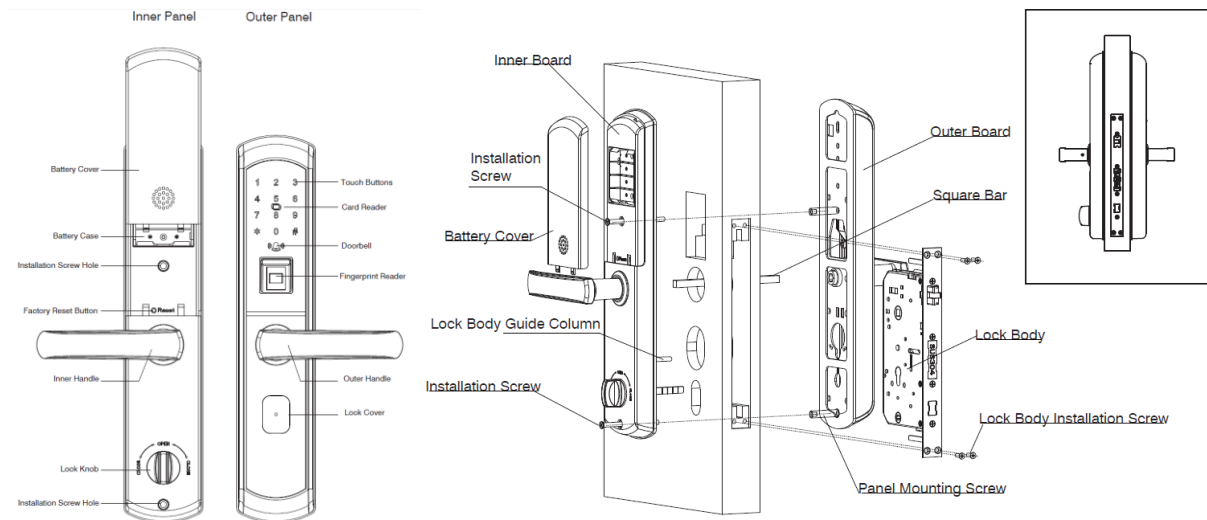This device has a low voltage alarm and password protection function.

Emergency power input

In case batteries run out of power, the door can still be opened using a 5 V input terminal.

Outline Diagram

Lock Diagram

Specifications

Item	Description
Smart Lock Database	100 fingerprints / 99 cards / 30 passwords
Power	DC 6 V (4 series dry battery), includes emergency power input
Battery Life Cycle	8000 times (normal usage)
Operating Voltage	4.5 V to 6.5 V
Idle Power	$\leq 60\ \mu A$
Operating Temperature	-25 °C to +60 °C
Relative Humidity	25 % to 95 %

Ordering Information

Item	Description
ASL02	ASL02 smart lock

Contact Information

Ascent Communication Technology Ltd

AUSTRALIA
140 William Street, Melbourne
Victoria 3000, AUSTRALIA
Phone: +61-3-8691 2902

CHINA
Unit 1933, 600 Luban Road
200023, Shanghai CHINA
Phone: +86-21-60232616

EUROPE
Pfarrer-Bensheimer-Strasse 7a
55129 Mainz, GERMANY
Phone: +49 (0) 6136 926 3246

HONG KONG SAR
Unit 9, 12th Floor, Wing Tuck Commercial Centre
177 Wing Lok Street, Sheung Wan, HONG
Phone: +852-2851 4722

USA
2710 Thomes Ave, Cheyenne
WY 82001, USA
Phone: +1-203 816 5188

VIETNAM
15 /F TTC Building, Duy Tan Street, Cau Giay
Hanoi, VIETNAM
Phone: +84 243 795 5917

WEB: www.ascentcomtec.com   **EMAIL:** sales@ascentcomtec.com

Specifications and product availability are subject to change without notice.
Copyright © 2018 Ascent Communication Technology Limited. All rights reserved.
Ver. ACT_LIMA_Smart_Lock_Datasheet_V1b_Aug_2018