



## Hörmann Smart Locks

A way to experience new life safely and intelligently

**HÖRMANN**





## HÖRMANN Smart Locks

Product series .....	4
Smart lock HSL 01 .....	6
Smart lock HSL 02 .....	8
Smart lock HSL 03 .....	10
Smart lock HSL 04 .....	12
Smart lock HSL 05 .....	14
Intelligent unlocking technology .....	16
Introduction of WiFi version .....	18
Introduction of NB-IoT version .....	19

Hörmann Smart Locks · Product series



Smart Lock HSL 01

Unlock via:

- Fingerscan
- Password
- MF1 card

Emergency unlock by:

- Spare key
- Micro USB Emergency Charging Interface

Available for:

- Standard version

Smart Lock HSL 02

Unlock via:

- Fingerscan
- Password
- MF1 card
- Smart app

Emergency unlock by:

- Spare key
- Micro USB Emergency Charging Interface

Available for:

- Standard version
- WiFi + bluetooth version
- NB-IoT + bluetooth version

Smart Lock HSL 03

Unlock via:

- Fingerscan
- Password
- MF1 card

Emergency unlock by:

- Spare key
- Micro USB Emergency Charging Interface

Available for:

- Standard version

Smart Lock HSL 04

Unlock via:

- Fingerscan
- Password
- MF1 card

Emergency unlock by:

- Mechanical code switch
- Micro USB Emergency Charging Interface

Available for:

- Standard version

Smart Lock HSL 05

Unlock via:

- Fingerscan
- Password
- MF1 card
- Face scan

Emergency unlock by:

- Mechanical code switch
- Micro USB Emergency Charging Interface

Available for:

- Standard version




 Unlock by Fingerscan


- Living biology identification technology to eliminate the risk of artificial fingerprints
- 360 ° fingerprint identification for faster unlocking

 Unlock by MF1 card

- MF1 card reader, available for active/passive mode
- Double encryption dynamic card for more safety

 Unlock by Password

- Password length 6-16 digits
- Virtual password up to 32 digits for anti-peeping function

 Emergency Unlock by

- Spare key
- Micro USB Emergency Charging Interface



[HSL 01 SUS white]



[HSL 01 SUS black]

Dual authentication for dual security

HSL 01 smart lock possess dual authentication function, which means the door can only be unlocked by one of the following dual access control verifications:

- Fingerprint + password
- Fingerprint + MF1 card
- Fingerprint + fingerprint
- Password + MF1 card



 Automatic lock



SUS precision casting

- 200+HV hardness, preventing from forceful opening

Germany-imported electronic lock set

- Certified by DIN 18205 and CE, guaranteed for safety

Product type	HSL 01
Security grade	Grade B ( highest level )
Certification standard	GA 374-2001 <i>Electronic security lock</i>
Working temperature	-25 ~ 55 °C
Working humidity	< 93%
Applicable door type	HA / HMS / SD-D / HTS 60 D
Battery	Rechargeable Li-battery
Battery capacity	3400 mAh
Battery life cycle	1 year by 10 cycle per day
low power reminder	Voltage lower than 4.8 V
Voice instruction	Trilingual navigation by Chinese / English / German
Anti disassembly protection	Alarm when it is broken from outdoor side


 Unlock by Fingerscan

- Living biology identification technology to eliminate the risk of artificial fingerprints
- 360 ° fingerprint identification for faster unlocking


 Unlock by MF1 card

- MF1 card reader
- Enable up to 100 cards



 Emergency Unlock by

- Folding spare key + blade-type security key cylinder
- Micro USB Emergency Charging Interface

 Unlock by Password


- Password length 6-12 digits
- Virtual password up to 20 digits for anti-peeping function

 Unlock by App

- Hörmann App enables remote access control and set up
- WiFi + bluetooth version available for private user
- NB-IoT + bluetooth version available for project user management

  5.0 WiFi + bluetooth

- Working under WiFi network
- Download Hörmann App on mobile phone
- Available for remote control and record query
- For private user

 NB-IoT + bluetooth

- Working under NB-IoT system (internet of things), default operator is China Telecom, other operators on request
- Download Hörmann App pro on mobile phone
- Available for remote control, record query and project users management
- For project user



[HSL 02 Black] [Outdoor side]

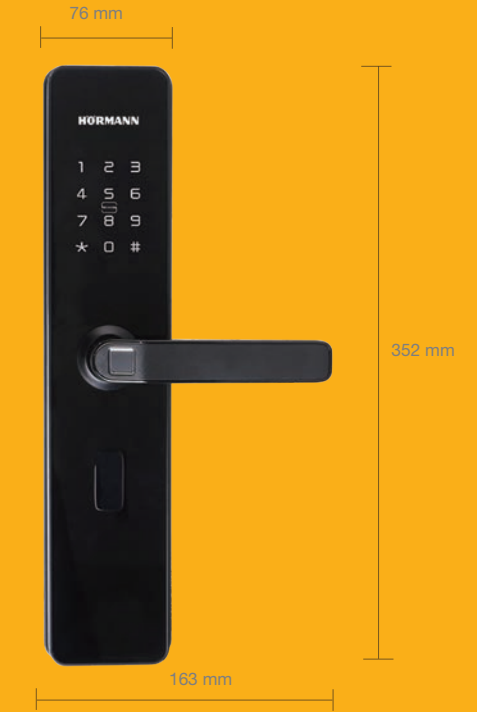


[HSL 02 Black] [Indoor side]

Dual authentication for dual security

HSL 02 smart lock possess dual authentication function, which means the door can only be unlocked by one of the following dual access control verifications:

- Fingerprint + password
- Fingerprint + Fingerprint




Product type	HSL 02
Security grade	Grade B ( highest level )
Certification standard	GA 374-2019 <b>Electronic security lock</b>
Working temperature	-25 ~ 55 °C
Working humidity	< 93%
Applicable door type	HA / HMS / SD / HTS 60
Battery	AA battery x 4 pcs.
Battery capacity	6 V
Battery life cycle	1 year by 10 cycle per day
low power reminder	Voltage lower than 4.8 V
Voice instruction	Chinese navigation
Anti disassembly protection	Alarm when it is broken from outdoor side
Anti break-in from spyhole	Prevent unlocking the door via spyhole guiding tool

 Unlock by Fingerscan


- Living biology identification technology to eliminate the risk of artificial fingerprints
- 360 ° fingerprint identification for faster unlocking


 Unlock by MF1 card

- MF1 card reader
- Enable up to 100 cards

 Unlock by Password

- Password length 6-12 digits
- Virtual password up to 20 digits for anti-peeping function

 Emergency Unlock by

- Folding spare key 
- Micro USB Emergency Charging Interface

 Automatic lock



Simplified Design

- Integrated pull handle
- Easy door operation



【HSL 03 Black】



【HSL 03 Bronze】



Dual authentication for dual security

HSL 03 smart lock possess dual authentication function, which means the door can only be unlocked by one of the following dual access control verifications:

- Fingerprint + password
- Fingerprint + Fingerprint

Product type	HSL 03
Security grade	Grade B ( highest level )
Certification standard	GA 374-2019 <b>Electronic security lock</b>
Working temperature	-25 ~ 55 °C
Working humidity	< 93%
Applicable door type	HA / HMS / SD / HTS 60
Battery	AA battery x 8 pcs.
Battery capacity	6 V
Battery life cycle	1 year by 10 cycle per day
low power reminder	Voltage lower than 4.8 V
Voice instruction	Chinese navigation
Anti disassembly protection	Alarm when it is broken from outdoor side
Anti break-in from spyhole	Prevent unlocking the door via spyhole guiding tool



Unlock by  
Fingerscan

- Living biology identification technology to eliminate the risk of artificial fingerprints
- 360 ° fingerprint identification for faster unlocking

Unlock by  
MF1 card

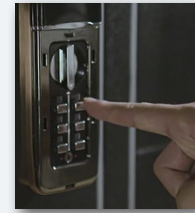
- MF1 card reader
- Enable up to 100 cards

Unlock by  
Password

- Password length 6-12 digits
- Virtual password up to 20 digits for anti-peeping function

Emergency  
Unlock by

- Mechanical code switch
- Micro USB Emergency Charging Interface

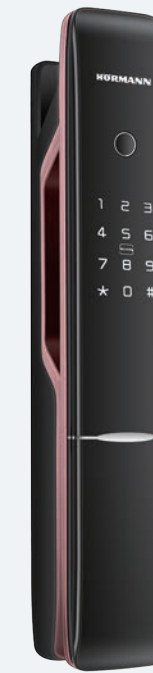


Integrated  
handle design

- Easy door operation



【HSL 04 Black】



【HSL 04 Bronze】

Dual authentication for dual security

HSL 04 smart lock possess dual authentication function, which means the door can only be unlocked by one of the following dual access control verifications:

- Fingerprint + password
- Fingerprint + Fingerprint



Automatic lock/  
release



Product type	HSL 04
Security grade	Grade B ( highest level )
Certification standard	GA 374-2019 <b>Electronic security lock</b>
Working temperature	-25 ~ 55 °C
Working humidity	< 93%
Applicable door type	HA / HMS / SD / HTS 60
Battery	AA battery x 8 pcs.
Battery capacity	6 V
Battery life cycle	1 year by 10 cycle per day
low power reminder	Voltage lower than 4.8 V
Voice instruction	Chinese navigation
Anti disassembly protection	Alarm when it is broken from outdoor side
Anti break-in from spyhole	Prevent unlocking the door via spyhole guiding tool

Unlock by  
Fingerscan

- Living biology identification technology to eliminate the risk of artificial fingerprints
- 360 ° fingerprint identification for faster unlocking

Unlock by  
MF1 card

- MF1 card reader
- Enable up to 100 cards

Unlock by  
Facescan

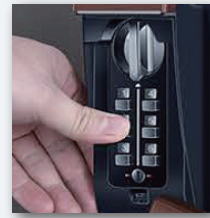
- Bionic binocular 3D identification technology
- Good vision under weak light, super wide-angle lens

Unlock by  
Password

- Password length 6-12 digits
- Virtual password up to 20 digits for anti-peeping function

Emergency  
Unlock by

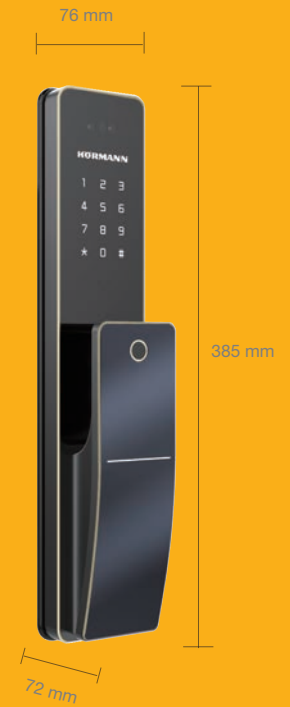
- Mechanical code switch
- Micro USB Emergency Charging Interface



[HSL 05 Dark gray]



[HSL 05 Light coffee]



CNC engraving

- Precision engraving on aluminum alloy plate

Scratch-resisted panel

- Integrated control panel made of high hardness tempered glass

Automatic lock/  
release



Dual authentication for dual security

HSL 05 smart lock possess dual authentication function, which means the door can only be unlocked by one of the following dual access control verifications:

- Fingerprint + password
- Fingerprint + Fingerprint

Product type	HSL 05
Security grade	Grade B ( highest level )
Certification standard	GA 374-2019 <b>Electronic security lock</b>
Working temperature	-25 ~ 55 °C
Working humidity	< 93%
Applicable door type	HA / HMS / SD / HTS 60
Battery	AA battery x 8 pcs.
Battery capacity	6 V
Battery life cycle	1 year by 10 cycle per day
low power reminder	Voltage lower than 4.8 V
Voice instruction	Chinese navigation
Anti disassembly protection	Alarm when it is broken from outdoor side
Anti break-in from spyhole	Prevent unlocking the door via spyhole guiding tool

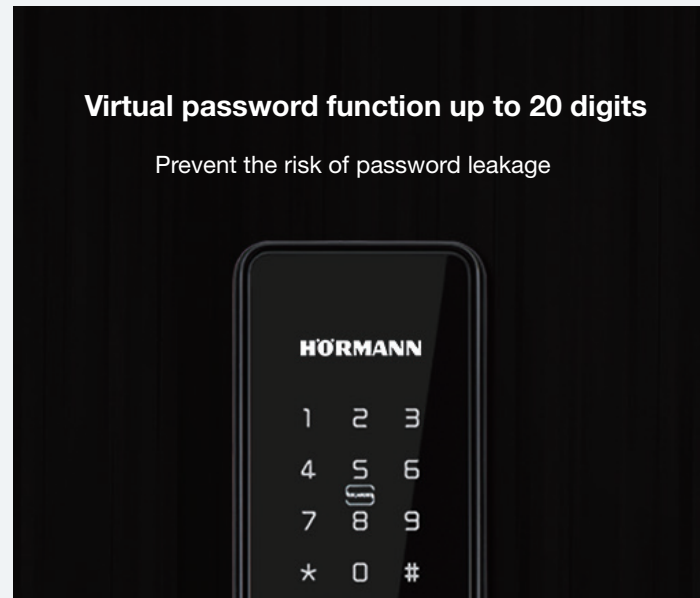




### Fingerprint identification

Hörmann smart locks, powered by semiconductor fingerprint sensor and living biology identification technology, eliminate the risk of artificial fingerprints. 360° fingerprint identification function is also available for convenient and efficient unlocking.

- False acceptance rate < 0.001%
- False rejection rate < 0.1%
- Enable up to 100 pcs of fingerprints identification



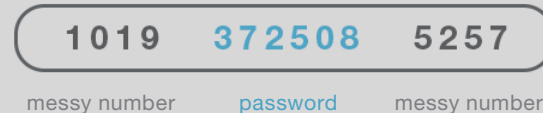
### Password identification

Hörmann smart locks possess smart touch screen with adjustable backlit and voice instruction. Virtual password anti-peeping function is incorporated to avoid the risk of password leakage.

- Password length up to 6-16 digits
- Enable 100 sets of passwords identification \*

#### Virtual password

In order to avoid the risk of peeping by strangers nearby, you can enter messy number before and after the correct password within the digit limitation, the door can be unlocked properly.



### Face identification

Bionic binocular 3D face identification technology is applied for Hörmann smart lock with facescan function, thanks to the advanced algorithm and accurate identification technology; the door can be unlocked quickly and conveniently.

- Good vision under weak light
- Super wide-angle lens
- Enable 50 sets of face identification



### Mechanical code switch

In case of power failure and dysfunction, the door can still be opened safely by password through the integrated mechanical code switch. It is a mechanical device with bank-level coding safety, therefore it remains fully functional even during power failure.

- 6 buttons / 6 wheels design
- Million level security code protection
- Long life cycle, no power supply required

\* Password memory of HSL 01: 10

### Remote control via WiFi

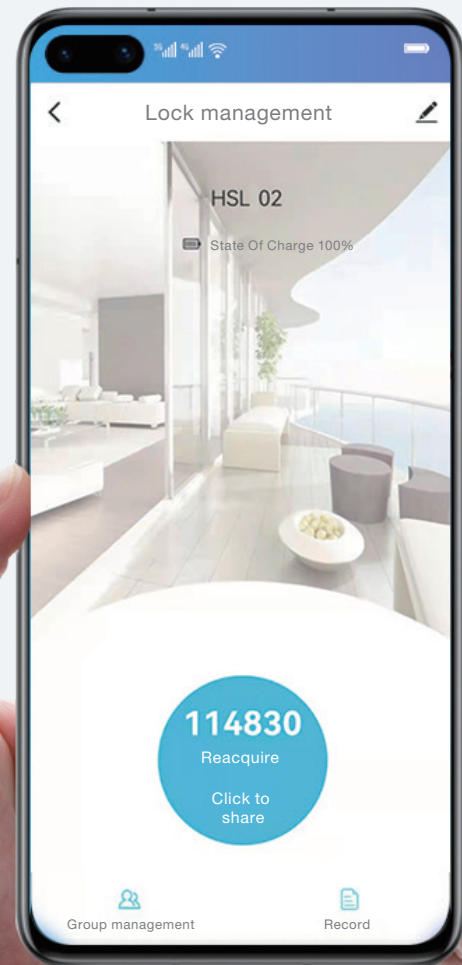
Low power WiFi + bluetooth module, OTA upgrade available

Remote control: unlock the door via mobile App

User management: check record via mobile App

Temporary password: generated and sent via mobile App

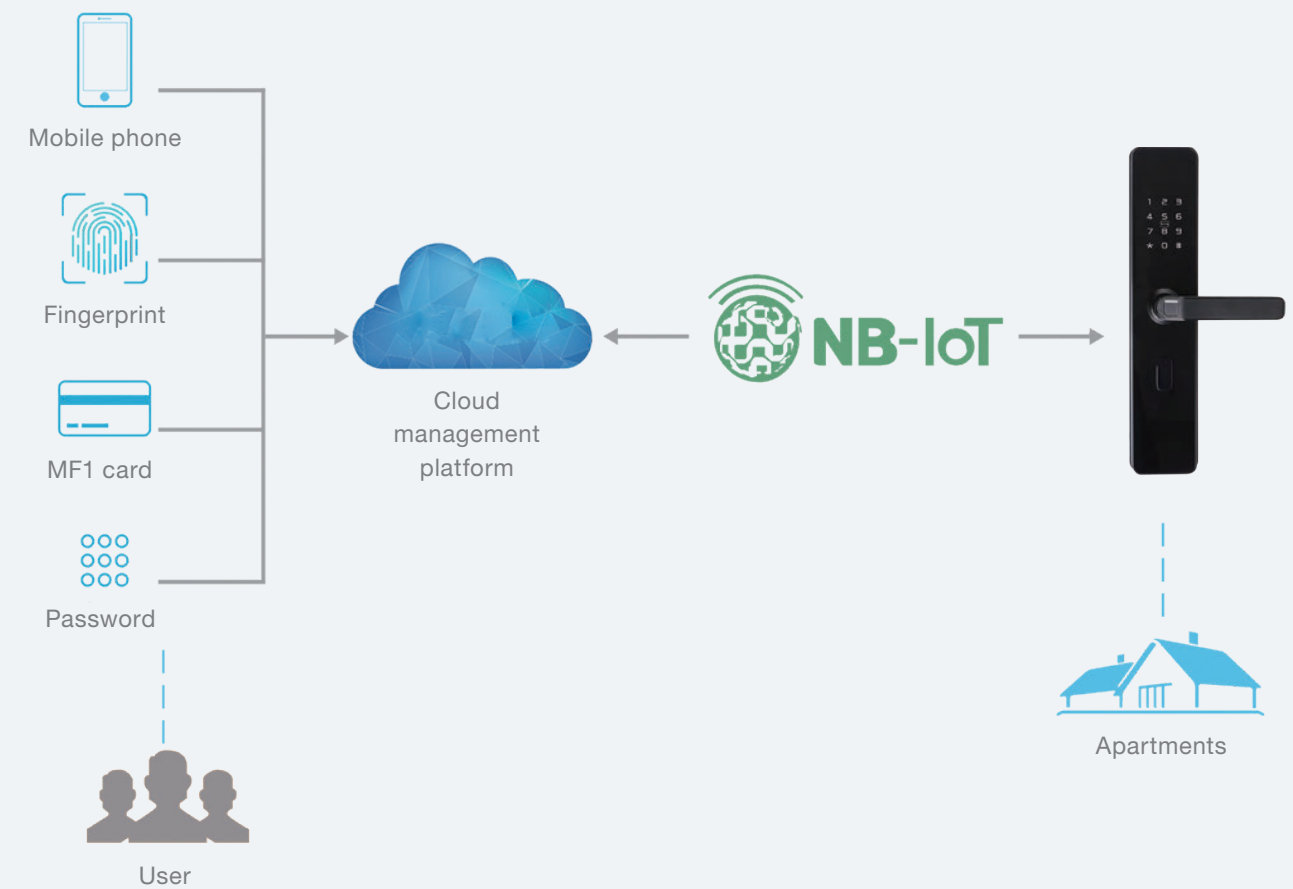
Lock setting: to add, delete change permissions of users  
(designed for private user)



### Smart control via NB-IoT system

NB-IoT system is an intelligent hardware management system based on the narrowband Internet of things, which can be connected to mainstream PMS system and apartment management system through open API interface, achieving an unified back-stage management of the access control to the rental apartment and campus dormitory etc.

Designed base on low power bluetooth + NB-IoT communication technology; Password, fingerprint and MF1 card can be input and distribute via mobile App (information collector required).



# Hörmann: Quality without Compromise



Hörmann KG Amshausen, Germany



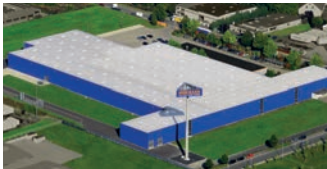
Hörmann KG Antriebstechnik, Germany



Hörmann KG Brandis, Germany



Hörmann KG Brockhagen, Germany



Hörmann KG Dissen, Germany



Hörmann KG Eckelhausen, Germany



Hörmann KG Freisen, Germany



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Hörmann Flexon LLC, Burgettstown PA, USA



Hörmann Beijing, China



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Hörmann Changshu, China



Shakti Hörmann Ltd. India

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- GARAGE DOORS**
- OPERATORS**
- DOORS**
- PARTITION WALLS**
- INDUSTRIAL DOORS**
- LOADING TECHNOLOGY**



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Some of the doors shown in this brochure have special features and therefore do not always represent the standard version.

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