

The LINK Brochure

FRIDAY

Refined Access Technology

 fridayhome.net

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This is FRIDAY



We make automation simple. Our products are designed to provide perfect functionality in an easy-to-use manner, all wrapped up in an attractive package so that they blend seamlessly into a modern housing.

FRIDAY Home and our rockstar research and development team took over FridayLab's original lock in 2018 and used our collective 100+ years of experience to rethink it and make it smarter and more secure.

We are not alone. We partnered with design, manufacturing and hardware powerhouses to bring the market internationally compatible locks that look nice, are secure and adapt to the ever-changing technology and user needs.

PRODUCTS



The DUO

A combination of the best technology and high-end design. With connection to Wi-Fi the DUO can be operated remotely at any time and show its current state. The DUO has, with its 63 mm in width and 48 mm in height, the smallest volume of smart locks on the market that works with your existing lock.

Key Features

- Automatic lock/unlock
- Invite friends and family
- Grant and revoke "keys"
- Remote operation (Wi-Fi)
- Check current state
- Rechargeable battery
- All metal construction
- iOS and Android compatible



The DUO

Authentication in app: OAuth2

Bluetooth / what spec: BLE 5.0 - nRF52840 chip will support 5.2 later

Wi-Fi chip / what spec: Opulinks opl1000a2

Encryption level Bluetooth: Curve25519, ChaCha20-Poly1305 IETF

Encryption level Wi-Fi / internet: TLS 1.2+

Circle operations 720 degrees: Can operate 720 degrees locks

Speed 6 sec / 360

Shell colors: Steel, Matte Black, Matte White

Shell material: Coated Zink (metal)

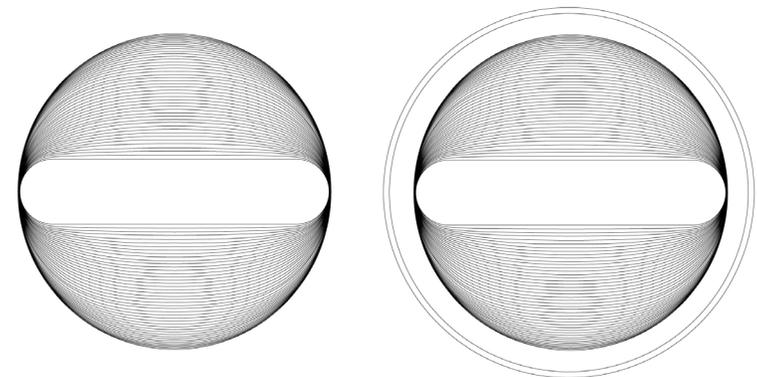
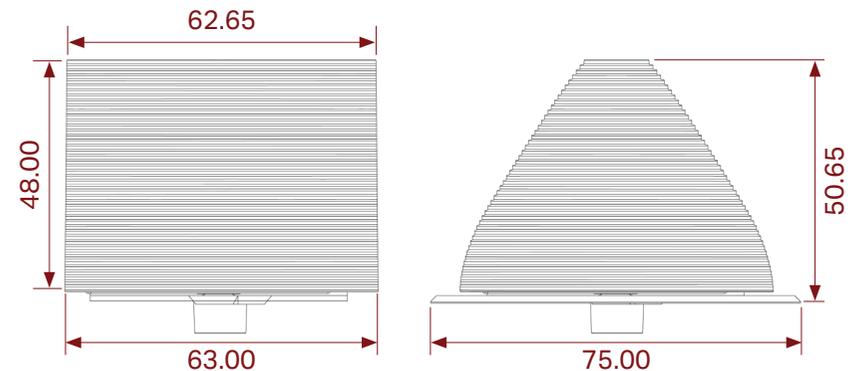
Weight: 250g

Features: Apple HomeKit, Alexa and Google Assistant

Other features: Geofence Auto Unlock, Lock on Slam, Lock on Timer
(auto calibration in pipeline)

iOS & Android: iOS and Android compatible

Charging time (USB-C): 2 hours 0-100%



The BELL

BELL Smart Intercom connects with the DUO Smart Lock and can be used as a simple doorbell with audio connection to visitors at the door through your phone. Thanks to Wi-Fi connectivity, the reach has no boundaries. Connected with the DUO, you and your guests can lock and unlock your door with a simple 4-8 digit code.

Key Features

- Two-way communication: *smart bell* >< *smartphone*
- PIN code access - 4-8 digits
- Invites y-m-d-h-m
- No video violation risk
- Easy to fit – no hard wiring
- Powered by 4 replaceable AAA batteries
- iOS and Android compatible



The BELL

Authentication in app: OAuth2

Bluetooth chip / Specific chip ID: BLE 5.0 - nRF52840 chip will support 5.2 later

Wi-Fi chip / Specific chip ID: Opulinks op1000a2

NFC Chip / Specific chip ID: NFC Supported

Encryption level Bluetooth: Curve25519, ChaCha20-Poly1305 IETF

Encryption level Wi-Fi / internet: TLS 1.2+

Speaker brand: CUI Devices - CMS-23558N-L152

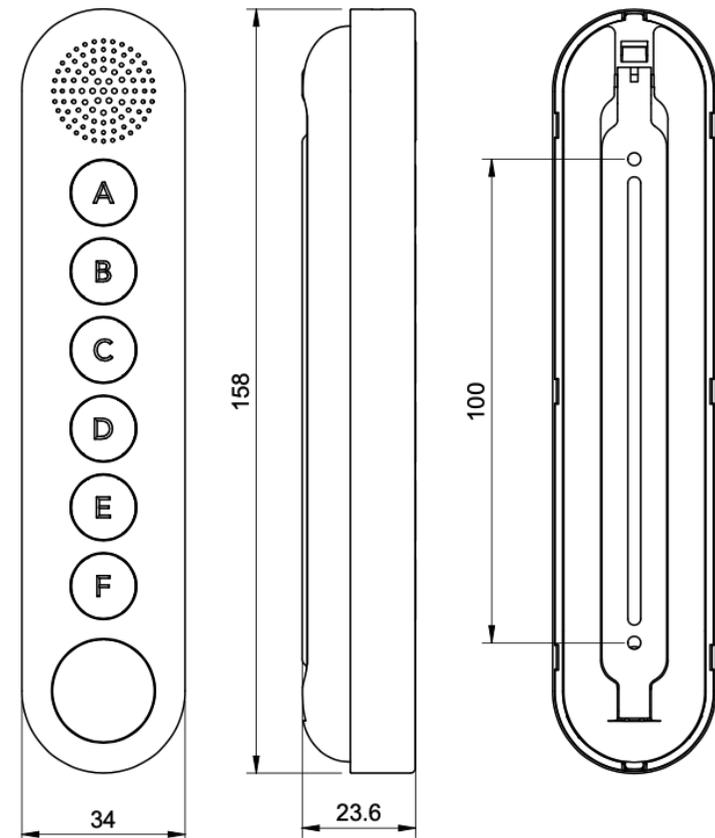
Sound codec and audio quality: SmartHIFI Smart Codec With Advanced Audio

Shell: Aluminium

Features: Apple HomeKit, Alexa and Google Assistant

iOS & Android: iOS and Android compatible

Colors: Aluminium

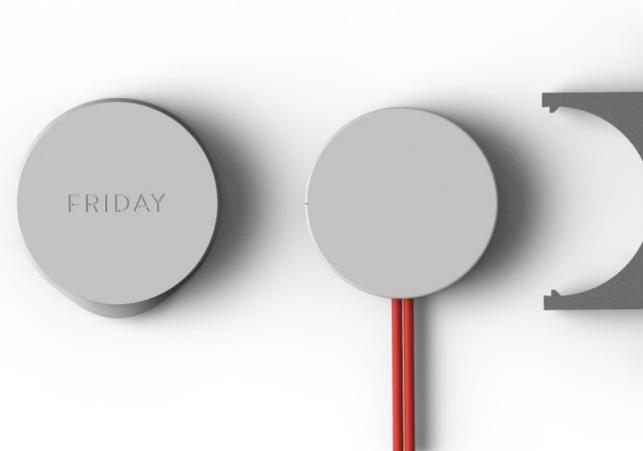


The LINK

LINK can be powered either through hardwire installations or via FRIDAY battery bank. In current electrical installations, you can install LINK and get phone-based access control in your door. The LINK can be fitted into existing hardwired installations or into the doorframe above the electrical lock with the battery bank.

Key Features

- Wi-Fi (low energy) – always online
- Bluetooth BLE 5.0
- Geofence triggered openings
- Remote opening
- Invites y-m-d-h-m
- No need for HUB
- Apple HomeKit
- Amazon Alexa
- Google Home



The LINK

Authentication in app: OAuth2

Bluetooth chip / Specific chip ID: BLE 5.0 - nRF52840 chip will support 5.2 later

Wi-Fi chip / Specific chip ID: Opulinks opl1000a2

Encryption level Bluetooth: Curve25519, ChaCha20-Poly1305 IETF

Encryption level Wi-Fi / internet: TLS 1.2+

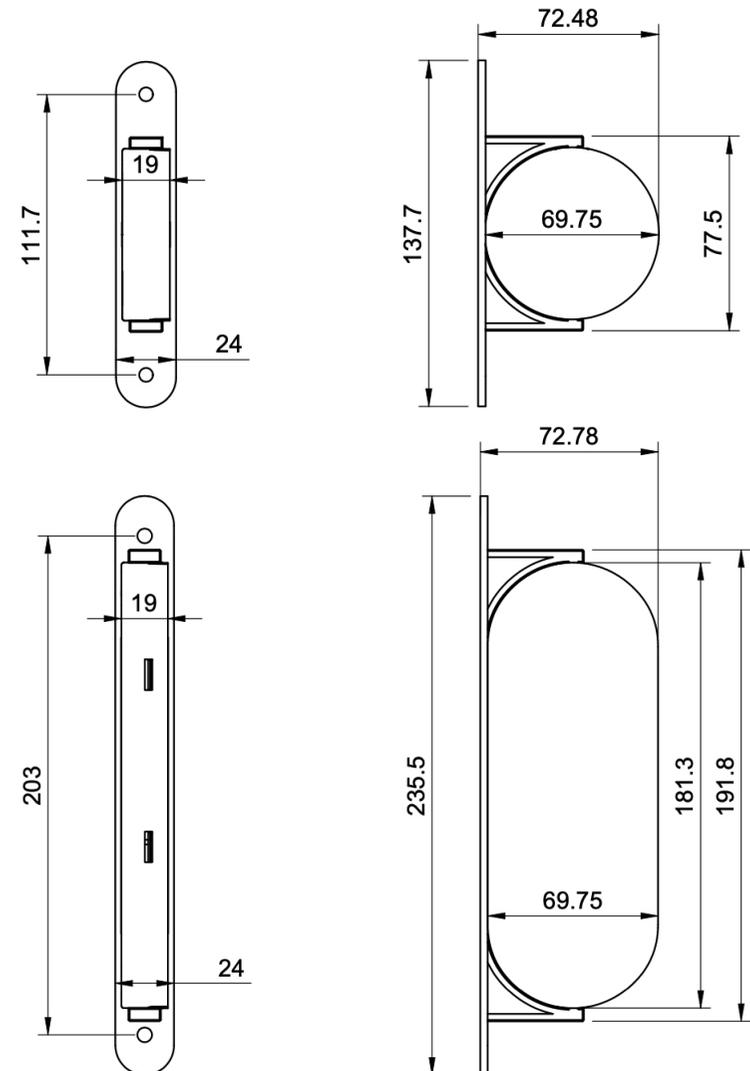
Shell: Plastic ABS

Features: Apple HomeKit, Alexa and Google Assistant

iOS & Android: iOS and Android compatible

Colors: White ABS, more colors to come

Fitment: 6-24v



FRIDAY Access

The cloud-based system FRIDAY Access allows you to define access rights the way you want, to whom you want and when you want. Managing your electronic keys becomes really easy with FRIDAY Access and can be controlled on any device. All FRIDAY units are online, so they respond instantly to every change you make in the system.

Key Features

- Limit user rights locally and temporarily
- Block lost devices
- No tags
- No expensive programming tools
- API integration
- Cloud-based
- Real-time log
- Operate units directly from system
- Visual indication of door locked/unlocked
- Import projects through CSV
- Integration with active directory Microsoft 365



Security

Asymmetric hardware encryption ensures the same level of security as a bank.

FRIDAY solutions support approved locks and comply with insurance requirements.

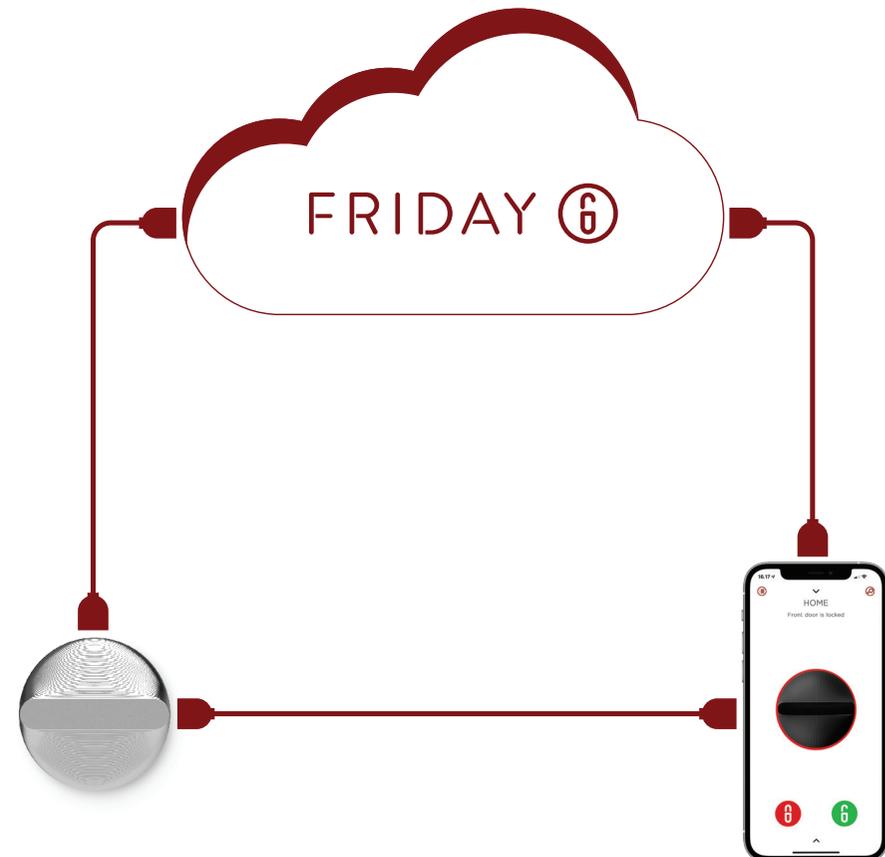
Signed firmware updates only get released directly from the server in the app itself.

The lock is protected against jamming

An authorized user sends the lock a message to open, but the lock does not respond. Later when an unauthorized person, who jammed the user's phone signal, tries to open the lock using that same message, the lock will still not respond. All previous encrypted messages get deleted within less than a minute after activation.

The lock is channel protected

When an authorized user sends the lock a message to open, it opens as requested. But, if an unauthorized person tries to hack and use that same message to get the lock to open, it will be denied as each message is encrypted and unique for single use.



Relay communication

Even when the lock is not connected to Wi-Fi, communication with FRIDAY's cloud is secured through the FRIDAY app using end-to-end encryption.

Microsoft Azure Server Hosting

A secure hosting solution that provides intelligent encrypted databases and traffic (HTTPS) as well as continuous backups.

LINK



LINK Installation Possibilities

LINK offers far more diversity within all FRIDAY's products, yet remember, it is the complete range of products that gives FRIDAY its greatest diversity when combining the full product line: DUO, BELL, LINK and FRIDAY Access.

Usage of LINK

- Industrial gates
- Swing gates
- Slide gates
- Folding gates
- Rolling gates
- Speed gates
- Parking boom
- Entrance doors
- Street doors shutters
- Roller shutters door closer
- Garage doors
- Industrial doors
- Docking doors
- Escalators

LINK works with

- Electric strikes
- Electro / Magnetic locks
- Door magnets
- Door closer / openers
- Gates

Projects

- Condos
- Offices
- Gated communities
- Hotels
- Industrial estates
- Rental vacation houses
- Campus
- Marina facilities
- Camping facilities
- Lockers

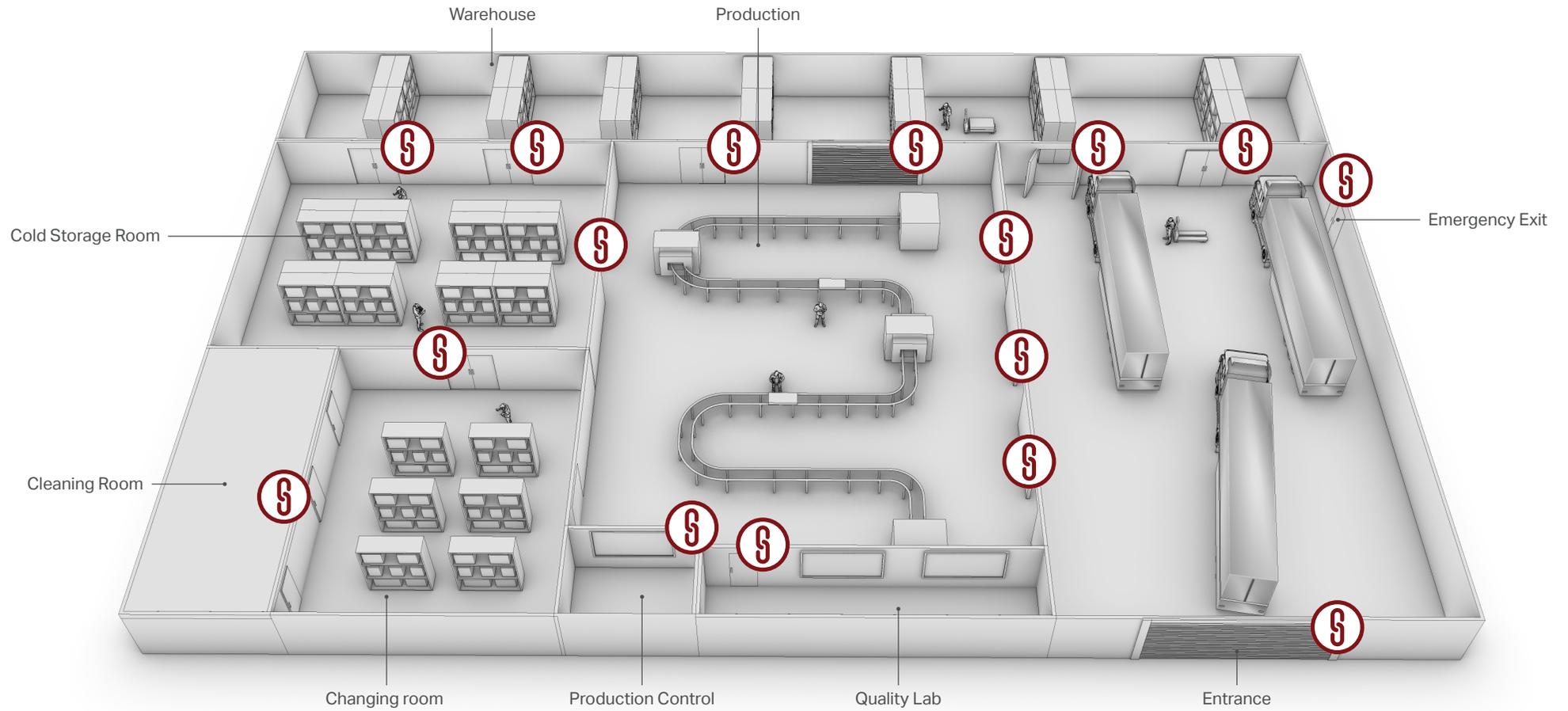
REMOTE LOCATIONS / NO POWER

- Sheds
- Drop of points
- Windmills
- Transformer stations
- Remote gates
- Telephone masts

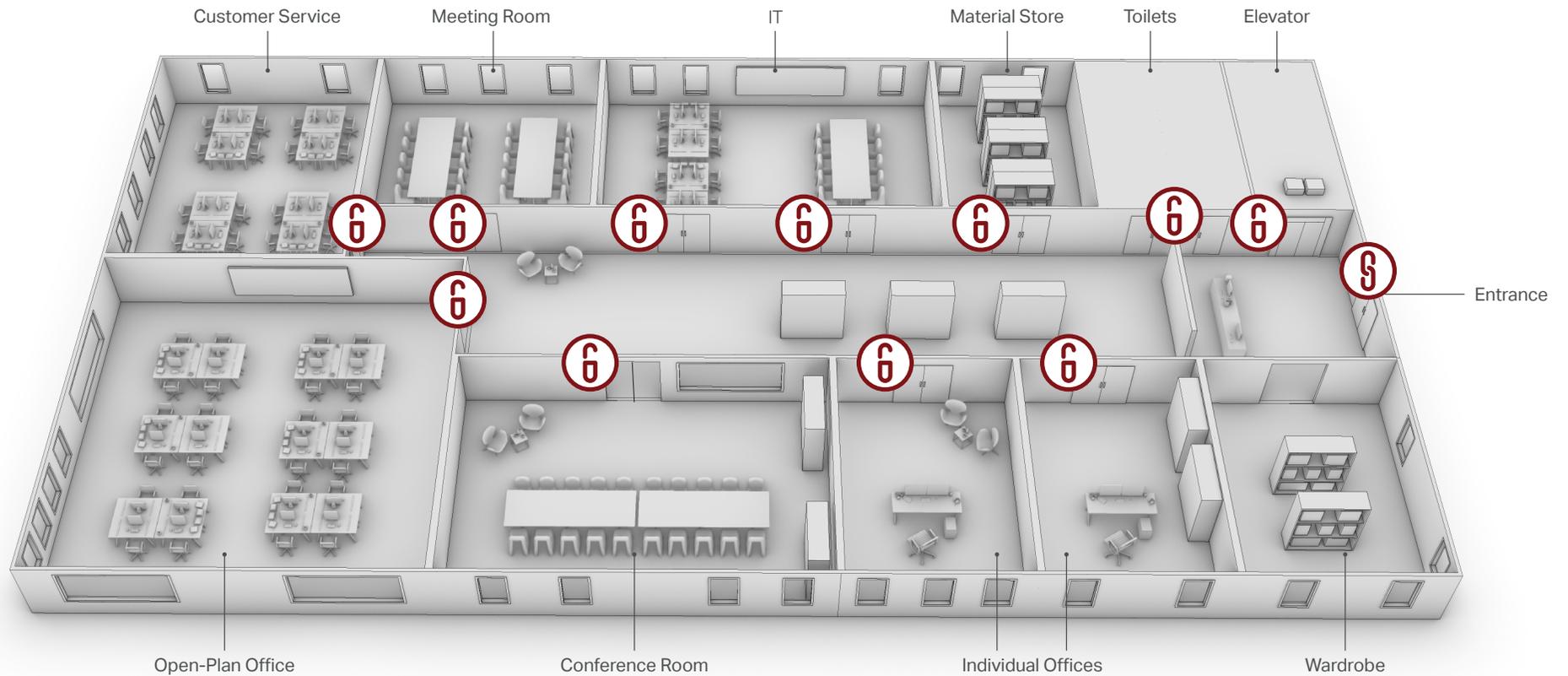
Projects

- B2C door manufactures
- Industrial door manufactory
- Project door manufactures
- Installers and suppliers
- Door hardware manufactures
- Wholesalers
- Architects /describers

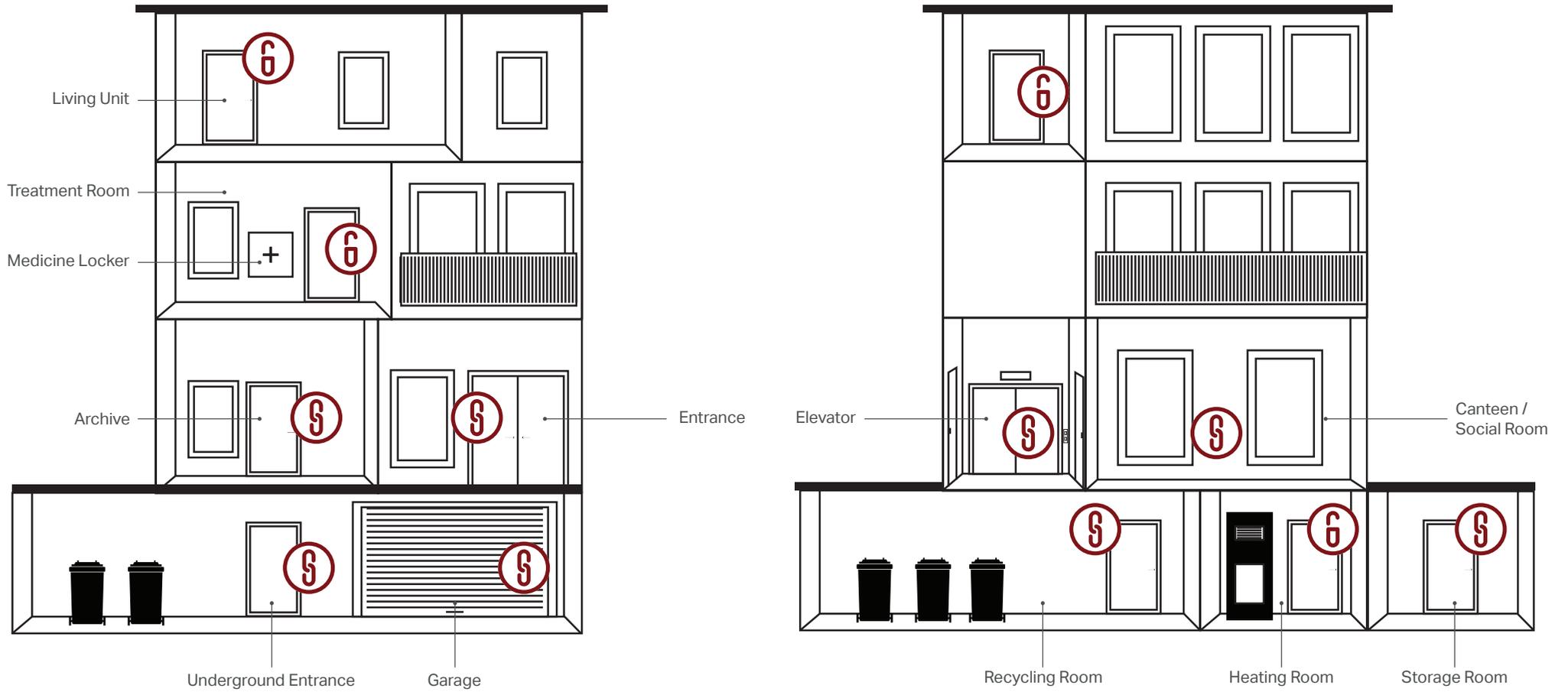
The LINK



The LINK Battery & DUO



The LINK & DUO



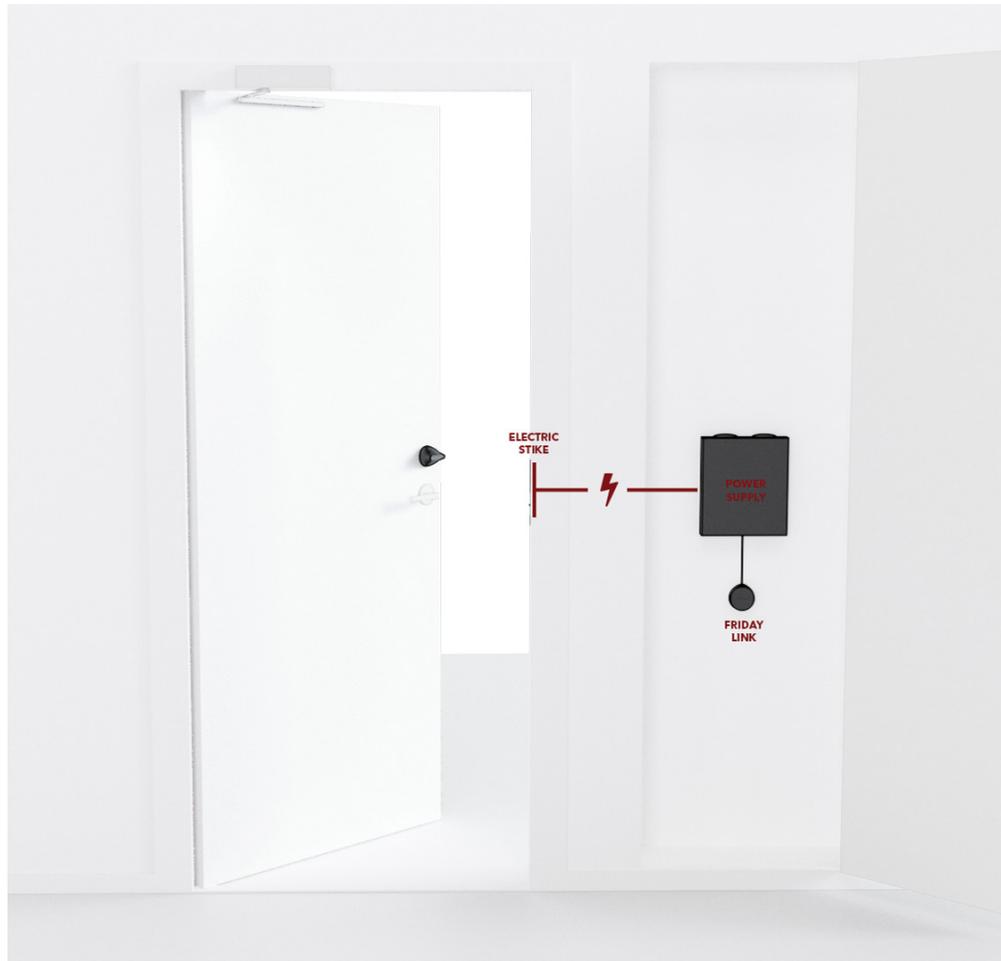
Door with Electric Mortise Lock & Power Supply



THE PROJECT DESCRIPTION IS SUBJECT TO GUIDING

Product	Item Number
FRIDAY LINK Smart Wired / DC	3040
FRIDAY DUO Smart Lock	2015 or 2018 or 2021
Abloy electric Mortice lock 560	Abloy 6416495228890
Lever handles on ball bearing roses, concealed fixing	12800302002
EVVA / FRIDAY ICS DIN	2037
PZ cylinder escutcheons, concealed fixing	12800402011
Door closer EN 2-5 w/latch, adj.arm w/Saddle bracket	14530202000
Floor door stop Ø40 mm	14507002006
GEZE ECTurn Automatic	131975
Abloy PSU/ps-ss Standard series	101899 12v 1A DC

Door with Electric Strike & Power Supply



THE PROJECT DESCRIPTION IS SUBJECT TO GUIDING

Product	Item Number
FRIDAY LINK Smart Wired / DC	3040
FRIDAY DUO Smart Lock	2015 or 2018 or 2021
Hinges	Delivery from factory
Abloy electric Strike 131E	Abloy 10266010857
Lever handles on ball bearing roses, concealed fixing	12800302002
EVVA / FRIDAY ICS DIN	2037
PZ cylinder escutcheons, concealed fixing	12800402011
Sash lock 60mmPZ72mm Square, strong spring+strike plate	14921102600
Door closer EN 2-5 w/latch, adj.arm w/Saddle bracket	14530202000
Floor door stop Ø40 mm	14507002006
Abloy PSU/ps-ss Standard series	101899 12v 1A DC

Door with Electric Door Magnet & Power Supply



THE PROJECT DESCRIPTION IS SUBJECT TO GUIDING

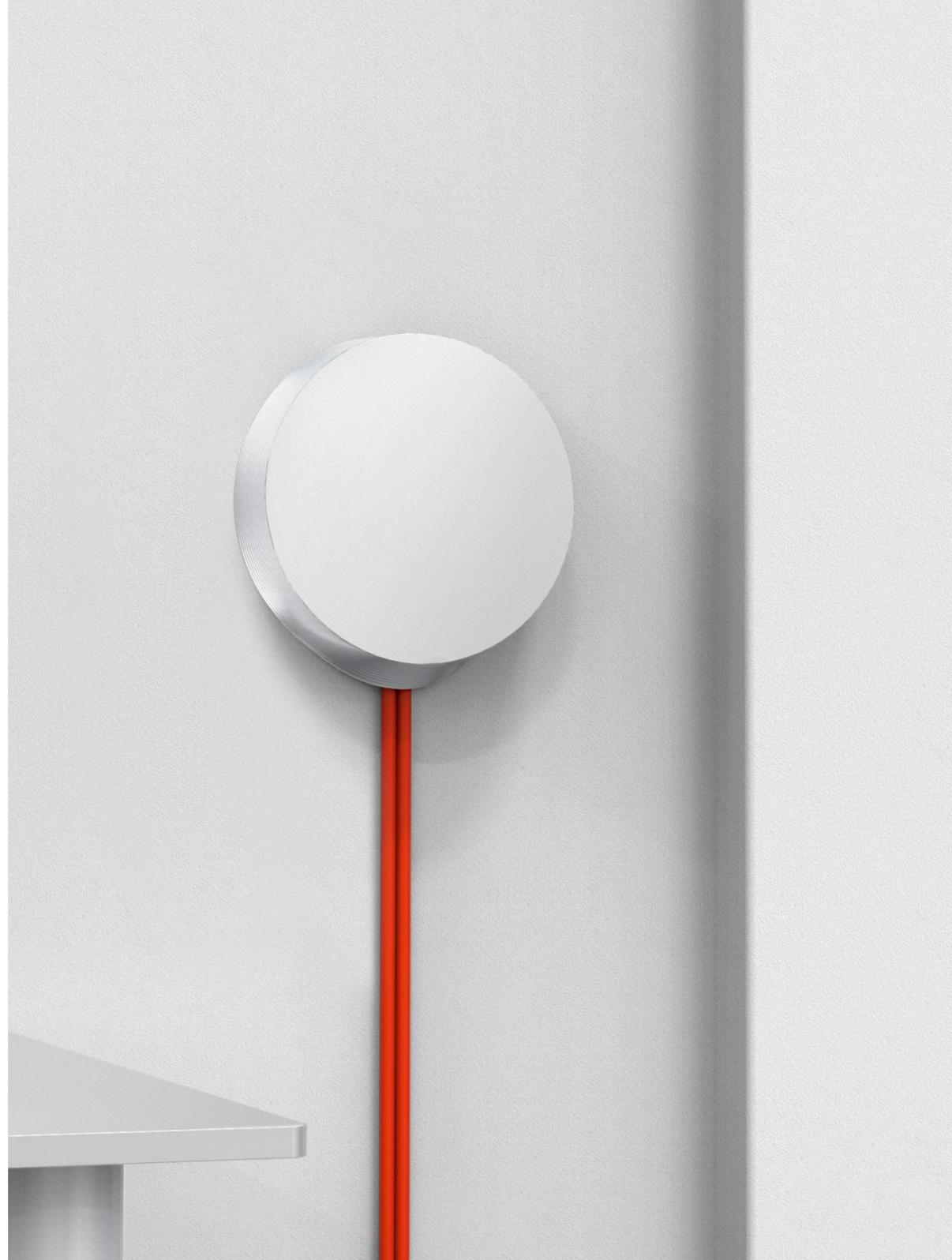
Product	Item Number
FRIDAY LINK Smart Wired / DC	3040
FRIDAY DUO Smart Lock	2015 or 2018 or 2021
Abloy electro door magnet 12v	Assa M8011
Lever handles on ball bearing roses, concealed fixing	12800302002
EVVA / FRIDAY ICS DIN	2037
PZ cylinder escutcheons, concealed fixing	12800402011
Sash lock 60mmPZ72mm Square, strong spring+strike plate	14921102600
Door closer EN 2-5 w/latch, adj.arm w/Saddle bracket	14530202000
Floor door stop Ø40 mm	14507002006
Abloy PSU/ps-ss Standard series	101899 12v 1A DC

The LINK – Connectivity

The LINK delivers big diversity in usage and connects uncomplicated with most electrical installations.

Connect the LINK with the BELL and enjoy refined openings of the best technology and high-end design.

LINK can connect to Wi-Fi and be operated remotely at any time.



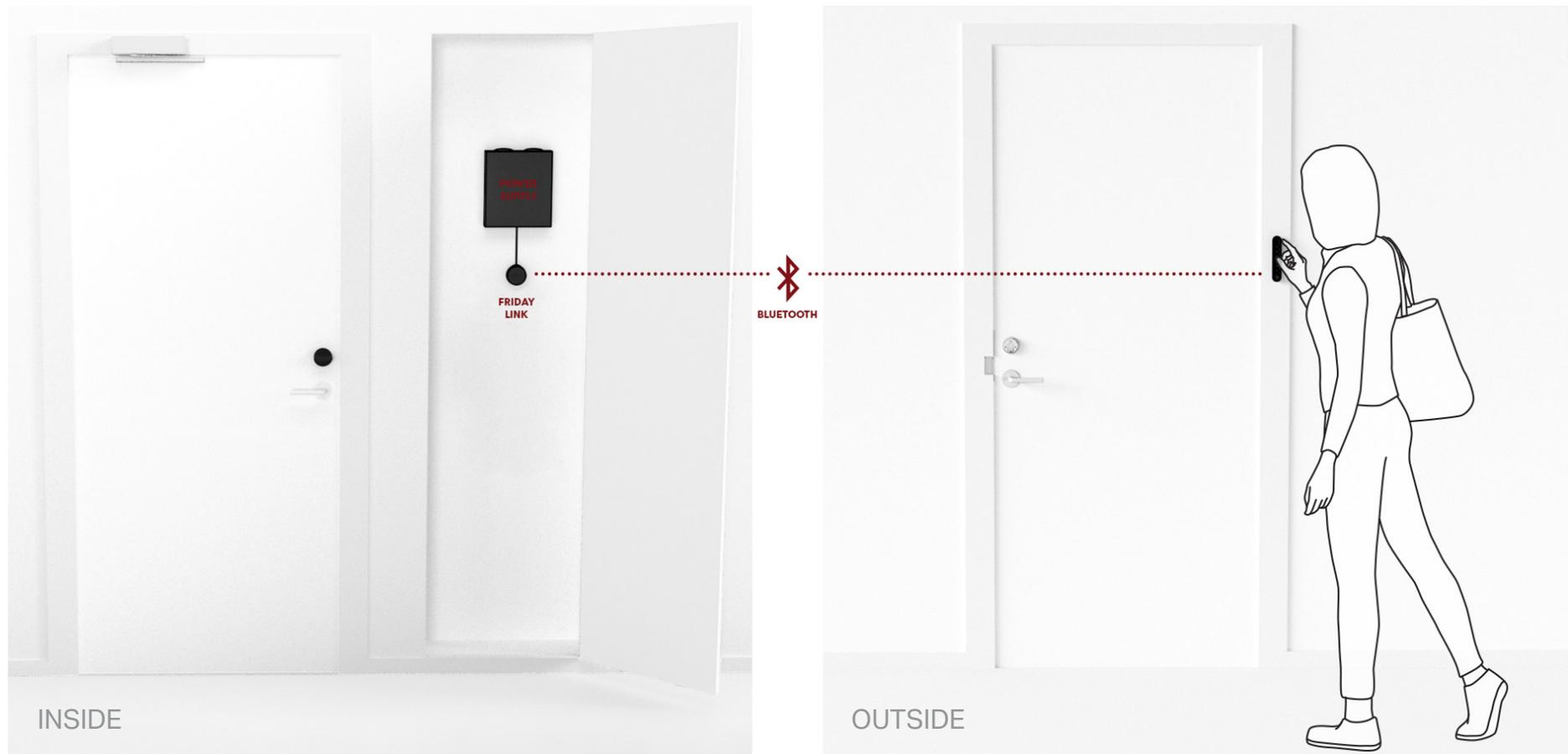
The LINK – Phone to LINK



The LINK – NFC BELL to LINK



The LINK – BELL to LINK



The LINK – Phone through Wi-Fi to LINK

