

SAG Smart Access

Electronic identification and locking system



Welcome to the next level

SAFE-O-TRONIC® LS furniture locking system





SAG Smart Access

Electronic identification and locking system



Access management in commercial real estate of all types is now even more efficient with flexible and needs-oriented organisation and usage options for cabinets, lockers and other storage systems. Our smart solutions offer central management for a diverse range of user groups, meaning you can optimise your locking system at any time to meet changing requirements.



SAG Smart Access

Electronic identification and locking system



For more than ten years, SAFE-O-TRONIC® access has been a leading brand when it comes to securing and organising cabinets, lockers, safe deposit boxes and functional furniture. The locking systems have been proven in over one hundred thousand properties around the world.

Whether RFID or PIN code as an identification method – or both combined in one solution: SAFE-O-TRONIC® access sets the standard.





**Rotary knob
for high functional security**

The rotary knob guarantees functional security even for tight cabinet doors.

Intuitive operation

Operation is incredibly simple as it is based on the symbols commonly used on mobile phones.

Capacitive keypad for maximum operating convenience

Thanks to capacitive technology, a light touch of the keys is all that is necessary to operate the lock using a PIN code.

Perfect interface management

The open REST API makes it possible to easily integrate the SAFE-O-TRONIC® software into third-party systems.

Convenient user navigation
via LED bar and also with sounds.

Look and feel...
High-quality products awarded for timeless design.

Smart battery management
Battery compartment on the outside enables quick and easy battery replacement.

Read area for RFID technology
When using RFID, the data carrier is simply held in front of the read area.

SAFE-O-TRONIC® access LS

Smart locking convenience



Simple retrofitting

Cabinet doors that are designed for normal standard cam locks can be easily retrofitted with electronic locking technology – without any complex wiring.

Flexible management

By combining PIN code and RFID technology, you can organise different security levels and user groups (e.g. staff, club members, guests or technical team) as required – the two options can also be selected individually if desired.

Convenient operation

- **Keyless via PIN code:** A time-limited PIN code can be transferred to the user's smartphone and entered on the capacitive keypad at the cabinet/locker. The time-limited PIN code can thus be generated or used for desired days.
- **Contactless via RFID:** To enable use, all you need to do is hold the RFID transponder in front of the read area of the SAFE-O-TRONIC® access unit. The relevant access permissions are flexibly programmed into the transponder.

Cabinet capacity optimisation

The time control allows cabinets and lockers to be opened or locked automatically to prevent permanent use by the same person.

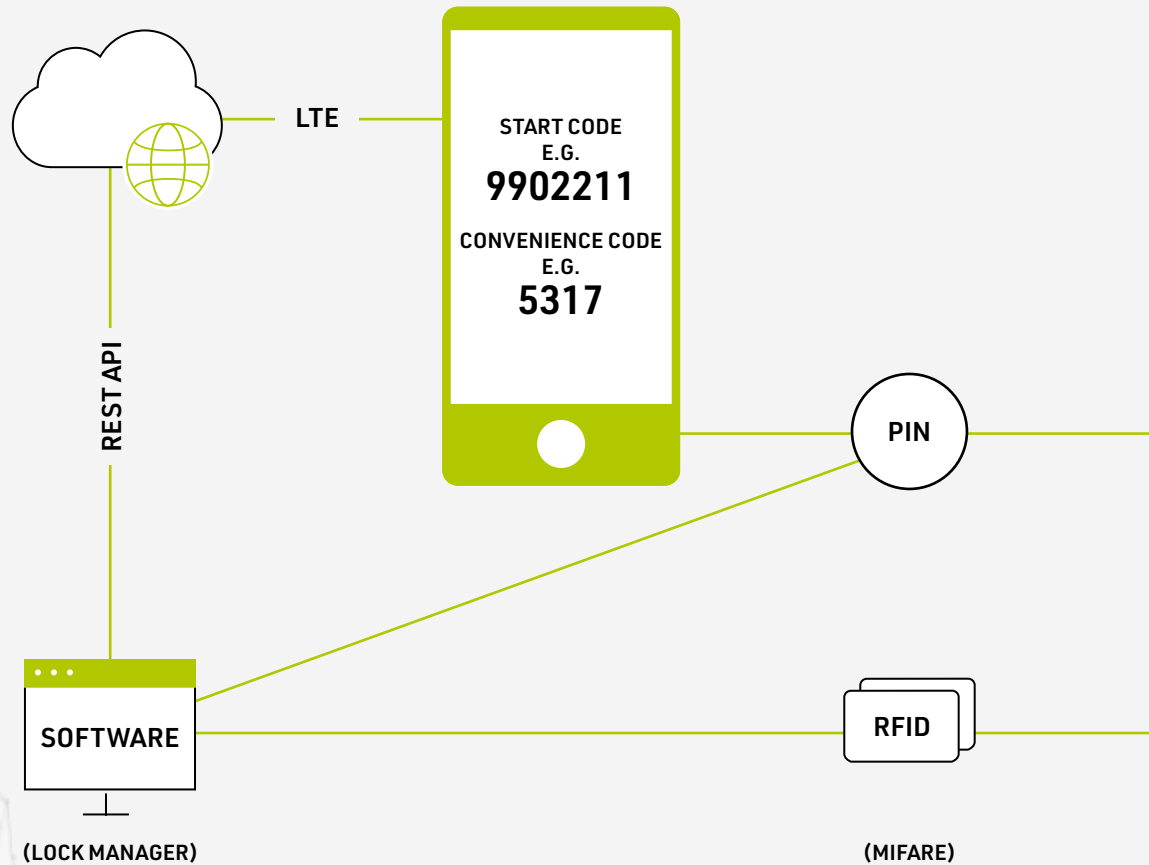
Online organisation of offline locking systems

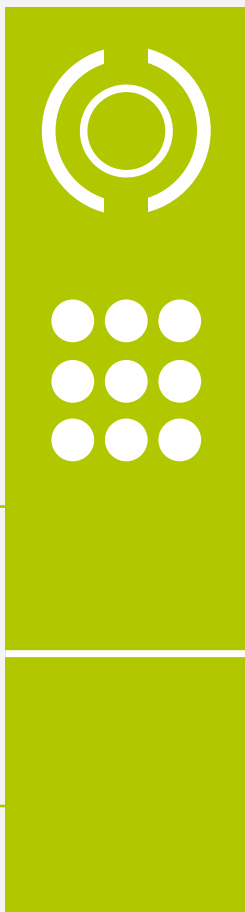
The card-based SAFE-O-TRONIC® CyberNet network offers online convenience without cabinet wiring.



Access management

Modular and versatile





LOCKING SYSTEM



Intelligent cabinet locking

Keyless identification



SAFE-O-TRONIC®
LS 101

PIN code cabinet locking



SAFE-O-TRONIC®
LS 200

PIN code cabinet locking with
RFID programming and RFID
master code function



**SAFE-O-TRONIC®
LS 300**

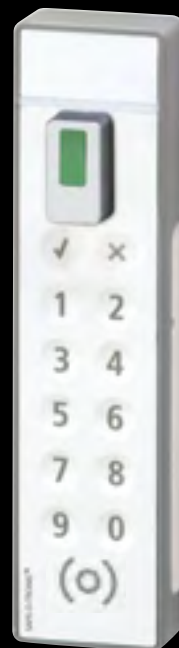
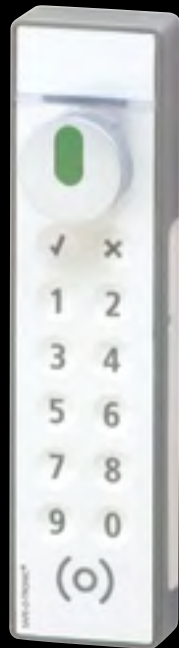
RFID cabinet locking



**SAFE-O-TRONIC®
LS 400**

Combined RFID and PIN code
cabinet locking

	LS 101	LS 200	LS 300	LS 400
SAFE-O-TRONIC® access identification options:				
PIN code	•	•		•
PIN code (TGC)				•
RFID			•	•



SAFE-O-TRONIC®
with round rotary knob

SAFE-O-TRONIC®
with rectangular rotary knob

Open/occupied display with green knob marking

SAFE-O-TRONIC® *access* LS

Flexible organisation options



Time-saving programming

With SystemKeys, you can programme your locking system in no time.

Quick identification of free/occupied cabinets

The position of the green indicator shows the relevant cabinet status.

Accessible design

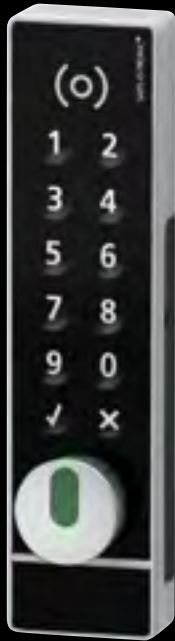
For people with disabilities, special rotary knobs are available that comply with legislation such as the ADA (Americans with Disabilities Act).

Reliable monitoring

For monitoring purposes, the locking procedures can be logged, printed out, evaluated and conclusively verified.

Monitored opening

If a cabinet needs to be opened by staff, master locking options are available – in addition to conventional master locking – that allow the cabinet to be opened but do not allow it to be closed again without monitoring. This increases security for your guests and protects your staff against false allegations.



SAFE-O-TRONIC® access LS

Easy assembly and handling



Simple replacement of standard lever locks

Cabinet doors designed for normal standard cam locks can easily be equipped with SAFE-O-TRONIC® access and converted without any complex reworking.



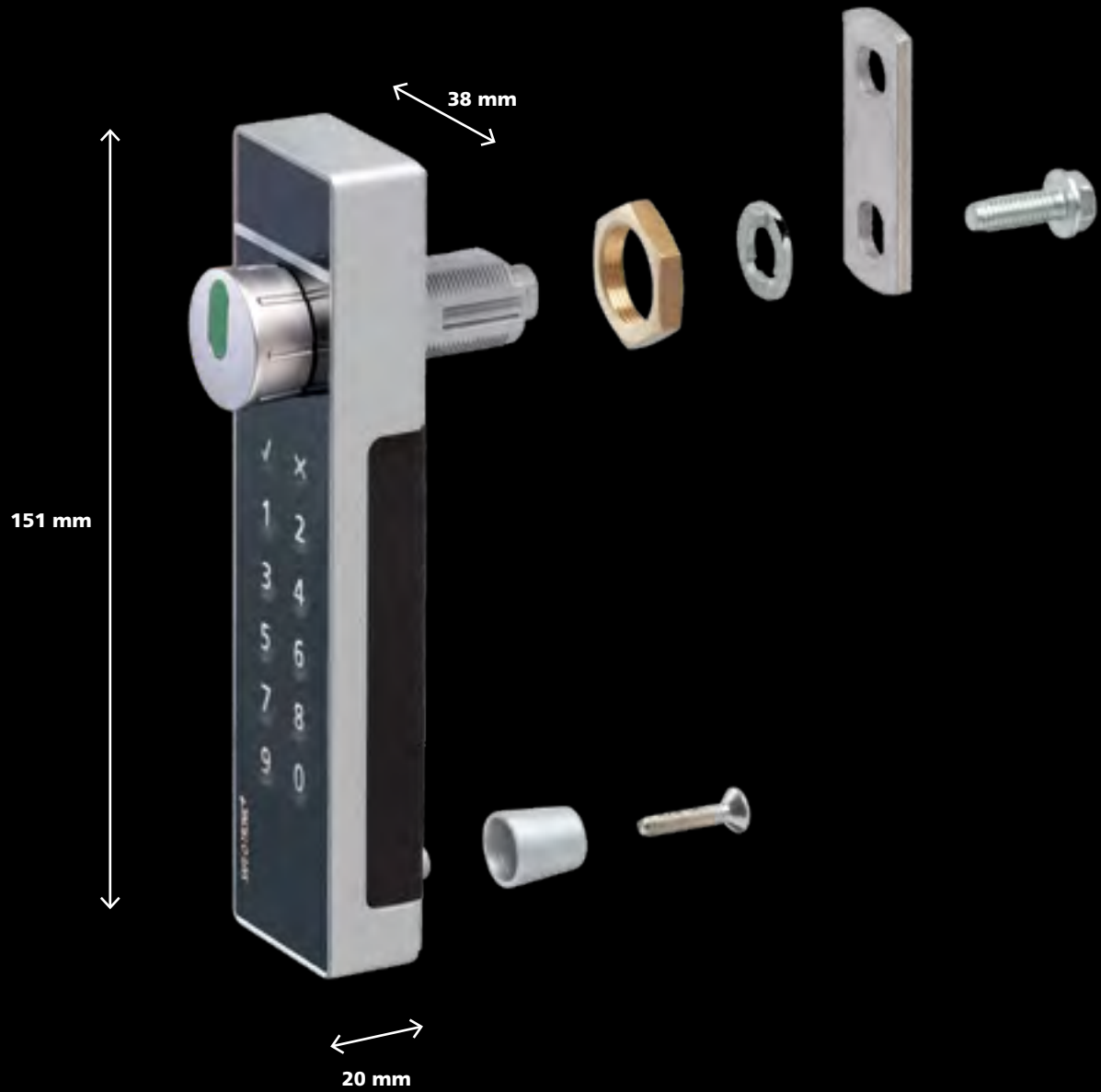
Position correctly – screw in place – done!

Equipped with a closing lever, the electronic lock fits a normal standard hole and is secured in place with an additional screw.



Free selection of installation direction

SAFE-O-TRONIC® access can be installed in four different installation directions depending on the requirements and cabinet type.



SAFE-O-TRONIC® *access* LS

Suitable for any cabinet door



The slimline SAFE-O-TRONIC® *access* LS design lock can be used for right-hand and left-hand cabinet doors in all standard materials and is also ideally suited to specially shaped cabinet doors.



Example:
Convex cabinet doors



Example:
Panel doors



Example:
Right-hand and left-hand cabinet doors



SAFE-O-TRONIC® access LS

Many possible applications



In functional buildings and commercial constructions of all types, SAFE-O-TRONIC® access offers a wide range of intelligent options that allow you to organise your storage service efficiently in accordance with your individual needs.

In facilities with a large number of guest or visitor structures, such as sports facilities or libraries, an electronic cabinet locking system offers clear benefits since you can organise the use of lockers in a way that is user-friendly and conserves resources as it is time-limited.

From educational and cultural institutions to sport and leisure facilities, clinics and care homes, hotels, administration and office buildings, industry or retail: we plan and implement the right furniture locking solution for your needs and target groups.

Discover the versatile organisational options for your individual application – including cost and time savings.

All system components can be integrated reliably into third-party systems via interfaces or operated conveniently via Lock Manager software.



SAFE-O-TRONIC® *access* LS

Customised solutions to suit all requirements



More cost-effective

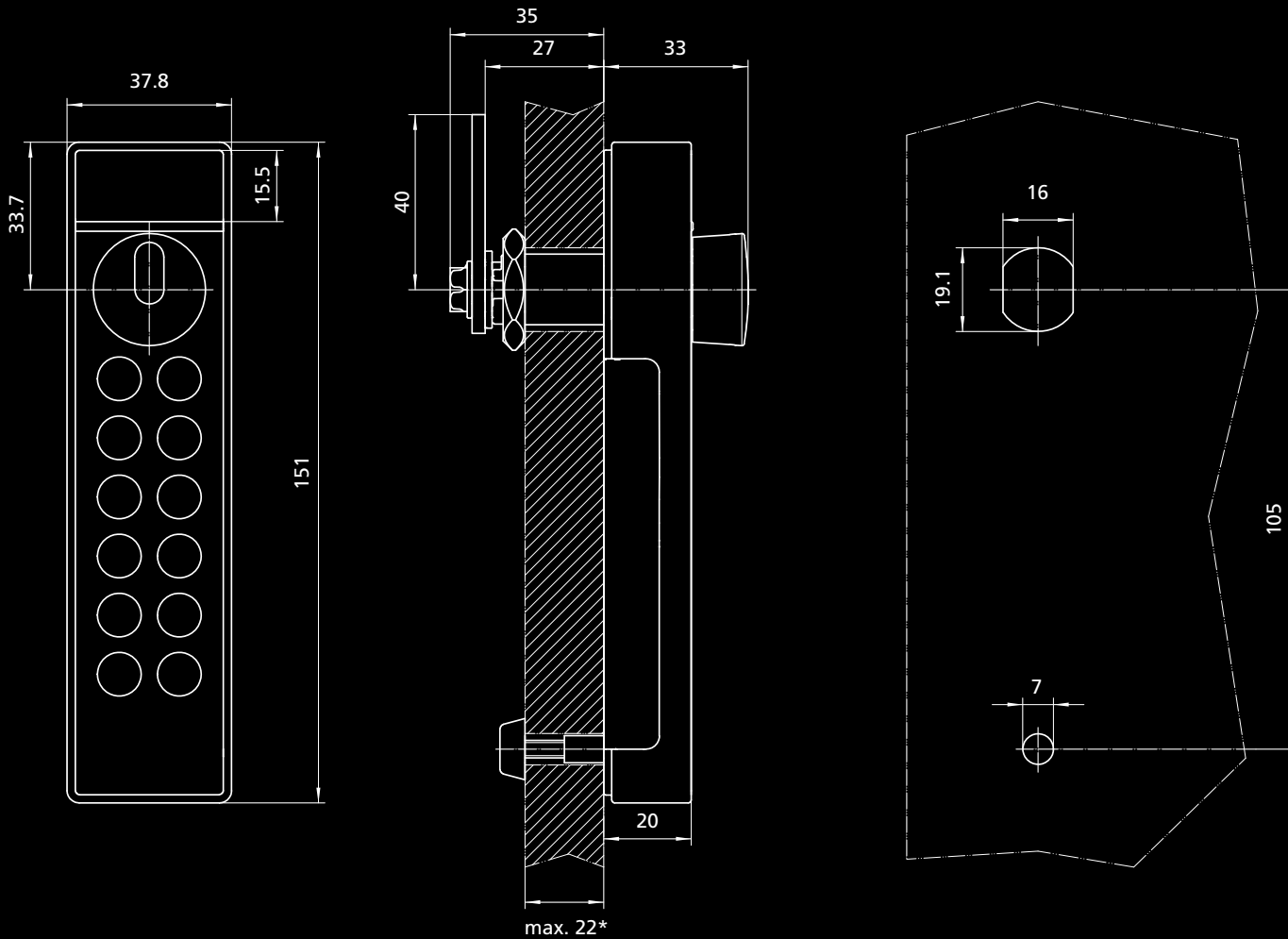
- Easy assembly and retrofitting saves time and money.
- Quick, cost-effective programming and commissioning via SystemKeys.
- Flexible adjustment of access rights minimises follow-up costs in the event of organisational changes.
- Protection against undesired reservation through optimisation of cabinet capacities.
- Long-term energy supply through low-cost battery system.

More convenient

- Free/occupied display to quickly find an open cabinet.
- Convenient rotary knob for accessible cabinet use.
- Sensor keys enable precise code input, even when touched lightly.
- Contactless alarm sensor for fast identification via RFID card.
- Intuitive user guidance with visual/acoustic confirmation.
- Simple battery replacement on the outside of the cabinet door.
- Online convenience for offline RFID locking systems thanks to card-based SAFE-O-TRONIC® CyberNet network.

More secure

- Combination of PIN and RFID identification options increases security for users and operators.
- Lockout period protects against unauthorised opening attempts.
- Locking procedures can be read out and conclusively verified for monitoring purposes.
- As a precaution against theft, electronic emergency opening monitoring protects users and operators from false allegations.
- Custom service concepts optimise operating security for each project phase.



*** when using special fastening material**

SAFE-O-TRONIC® access LS

Technical data



SAFE-O-TRONIC® access	
Operating modes	Free cabinet selection/fixed cabinet assignment
Display elements	4 x LEDs
Acoustic signal	Beeper
Battery	Battery pack: 3 x alkaline cells (AAA)
Battery life	approx. 3 years/30,000 activations*
Temperature ranges	Function: 0° to +55°C Storage: -15° to +55°C
Relative humidity	10–90% non-condensing
Weight	approx. 300 g
Housing dimensions incl. rotary knob (H x W x D)	151 mm x 38 mm x 33 mm
Housing frame colour	similar to RAL 9006 (white aluminium) or similar to RAL 9005 (matt black)
Control panel colour	black or white

* The battery life depends on the ambient temperature, the selected setting parameters, the lock type and the batteries used.

SAFE-O-TRONIC® access				
	LS 101	LS 200	LS 300	LS 400
Identification				
PIN code	•	•		•
PIN (TGC) (min. 4 digits)				•
RFID (MIFARE, ISO 14443 A)			•	•
Accessories				
System key set		•	•	•
TestKey		•	•	•
USB Reader		•	•	•
Lock Manager Software 6		•	•	•
Lock Manager Software 7		•	•	•
REST API (open interface)		•	•	•
Communicator		•	•	•
Offline terminals (for surface mounting or flush mounting)		•	•	•
Info terminal (for displaying the locker number in "Open locker selection" mode)			•	•
Miscellaneous				
Contactless alarm sensor			•	•
Lockout period for protection against unauthorised opening attempts	•	•		•
Locking log memory for 450 entries		•	•	•



SAFE-O-TRONIC® access LS Service



SAFE-O-TRONIC® access cabinet locks offer simple handling, a high level of operating security and user-friendly operation as well as minimal maintenance work. For optimal system availability at every stage of your project, we also offer an extensive range of services.

Our expert service team will be happy to create your own all-inclusive package.

Overview of services

Consulting

- Organisational consulting
- Project planning
- On-site technical consulting
- Cabinet door samples
- Support for integration into data systems

Preset coding service

- Preset coding of locks
- Preset coding of RFID data carriers

On-site service

- Assembly/Installation
- Conversion of existing cabinet doors
- Commissioning
- Configuration
- On-site coding service for locks
- On-site coding service for RFID data carriers

Training for self-help purposes

- Partner training
- On-site customer training
- Customer training in the plant

After-sales service

- Telephone support during business hours
- Service hotline
- Remote maintenance
- Update service for Lock Manager Software
- Battery service
- Service for spare parts and consumables

**LSW furniture locking systems
(with optional online status message)**



Door locking systems



Other door locking systems



Door lever



Terminals



System landscape – complementary products

Standard solution for cabinets and doors



SAFE-O-TRONIC® access offers an integrated organisational solution for your cabinet and door locking systems. This makes the control and administration of locking and access rights particularly easy and efficient.

SAFE-O-TRONIC® access offers an integrated organisational solution for your door and cabinet locking systems. This makes the control and administration of locking and access rights particularly easy and efficient.

Flexible organisation

For organisation of your door locking systems, you can use the same identification options (RFID and PIN code) as for your cabinet systems. They can be combined flexibly and are integrated into an electronic door fitting.

Efficient system management

You can programme and manage your cabinet and door locking systems via a standard software interface. This means you can keep all the relevant data under control even during organisational changes and avoid complex data coordination and multiple entries.

Simple integration into data systems

Thanks to its system architecture and diverse components, SAFE-O-TRONIC® access allows your cabinet and door locking systems to be integrated into other data systems at any time (e.g. for access control, staff work time logging, cashless accounting or guest management).



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