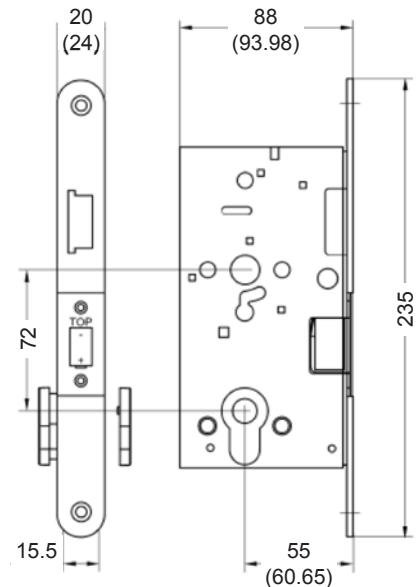


eLOCK eXpert Comfort system for timber doors



Technical data (Hardware)

Power supply	1 x 3V CR2 Lithium battery
Battery working life	Operational readiness up to 3 years, at 10 locking transactions a day Total number of locking transactions: Up to 25,000 Stand by time: Up to 5 years
Emergency opening option	Electronic: For a once-only coupling of the door handle with the device External power supply (if the battery is empty) Mechanical: For permanent coupling of the door handle
Data retention in the event of power outage	Unlimited buffering of event memory
Time	Accuracy under normal usage: +/- 9 minutes/year Automatic daylight saving time switching
Interface	NFC interface, in accordance with ISO 14443A
Deployment area	Internal timber doors doors, prepared for mortice locks, in acc. DIN 18251 In combination with lever handle sets with a fixed pivot bearing in the rosette.
Deployment conditions	For use exclusively on internal doors
Protection class (DIN EN 60529)	IP21
Operating temperature	0 °C to + 45 °C
Storage temperature	- 20 °C to +60 °C
Relative humidity (operation/storage)	max. 95 % without condensation
Read distance	up to 15 mm, depending on the construction of the transponder



Approvals,	➤ CE Conformity
Norms and Guidelines	➤ RED Directive 2014/35/EU
	➤ RoHS Directive 2002/95/EG
	➤ DIN 18251 – Mortise locks
	➤ DIN EN 12209 – Locks and building hardware; Locks; Mechanically operated locks and striking plates

Options

Comfort system for timber doors — CE Conformity Electronic mortise lock with dead latch, without bolt, Single-sided authorisation.
For combination use with lug-guided lever sets
(lever handle sets with a fixed pivot bearing in the rosette)

Surface finishes	Face plate	Stainless steel
	Antenna caps	Polyamide (various colours available)
Lock configurations	Spindle	8, 9 mm
	Bolt length	55, 60, 65 mm
	Distance	72 mm
	Face plate shape	Round, Rectangular
	Face plate width	20, 24 mm
	Face plate length	235 mm
	DIN direction	Right, Left
	Opening direction	Inwards, Outwards
	Door leaf thickness	min. 25 mm (inside and outside, each a min. of 12.5 mm) max. 180 mm (inside and outside, each a max. of 90 mm)
	Antenna cap colours	99 (Pure white), 90 (Deep black) 95 (Stone grey), 92 (Anthracite grey)

Technical data (System)

System administration	OPERTIS eLOCK eXpert
Signalling	Optical through LEDs (red, green, blue, yellow); acoustic through a buzzer (Can be activated/deactivated for each Comfort system through the OPERTIS eLOCK software)
Event memory in the device	Ring buffer the last 10,000 accesses
Coupling duration	After successful authorisation check, switch from permanently open to permanently closed
Transponder technology	MIFARE® DESFire®
Memory requirements per transponder	➤ 2K – S – small locking system – max. 154 locking rights ➤ 4K – M – mid-sized locking system – max. 666 locking rights
System sizes	Across the system – 250,000 Transponders – 65,000 End devices – Unlimited persons – Unlimited end device groups (as a tree structure with a depth of ≤ 20 levels) – Unlimited locking groups – Unlimited person time profiles – Unlimited end device time profiles – Unlimited public holiday dates



Per end device

- 250,000 Transponders
- 20 End device groups (max. Depth of the tree structure)
- Unlimited locking groups
- Unlimited person time profiles
- 1 Device time profile
- 512 Public holiday dates
- Logging of the last 10,000 accesses (ring buffer)

Per transponder

- Locking rights (end devices, end device groups): 154 with small locking systems
666 with mid-sized locking systems, in acc. with the defined size of the locking system
- 6 Individual time profiles
- 1 Fixed time profile “Always”
- Unlimited public holiday dates
- 5 blacklist entries (lost transponders of the entire locking system),
for blocking on the end devices (ring buffer)
- 20 System/ battery messages (battery low) from the offline end devices (ring buffer)
- Max. 3 eLOCK eXpert locking systems (applications)

Per end device group

- 250,000 Transponders
- Unlimited locking groups

Per locking group

- Locking rights (end devices, end device groups): 154 with small locking systems
666 with mid-sized locking systems, in acc. with the defined size of the locking system
- Unlimited persons

Programming — All locking rights are programmed in the OPERTIS eLOCK eXpert software.
All pending programming tasks are listed in the ToDo menu.

Data transfer can be done selectively over:

- ▶ OPERTIS NFC Stick in combination with the OPERTIS eLOCK eXpert software
(at end devices and transponders)
- ▶ OPERTIS ToDo Card (at end devices)
- ▶ The computer network, online (at wall scanners with online licence)
- ▶ Wall scanners with online licence (updating the transponder)

Time profile — **Person time profile** – Defines the validity period of the transponder
End device time profile – Defines the timepoint (open/close or only close)
for the automatic activation/deactivation of Office mode
One time profile consists of a maximum of 10 slots. Each slot defines
a timepoint (from/till) and the corresponding weekdays and special days.

Office mode — Special operating mode: Serves to be able to open a door with authorisation checking,
e.g. for opening a door during the working day to allow public access.
Activation/deactivation is done through a special routine directly at the end device and
is reserved for transponders for which this additional authorisation has been released.

Fire service mode — is activated exclusively when a fire service transponder is used. If an end device is
in fire service mode, the door can be opened without presenting a transponder.
Fire service mode is always indicated through a yellow light signal, irrespective of
how signalling is defined in the software. Fire service mode is always activated
through the authorisation check when a fire service transponder is presented.

Ticket transponder — the validity is limited (1 - 8,760 hours) and is activated the first time it is used.
A ticket transponder can be released for 24 hours, for example, from the first usage.
Each transponder belonging to a locking system can be programmed as
a ticket transponder, through a special programming routine.



Available end devices

Wall scanner

- For doors with automatic control. The wall controller sends a triggering signal, e.g. to the automatic door, car park barrier, elevator door or electric door opener
- Interior or exterior deployment, depending on components used
- The wall scanner can use the software's online functions through an online licence. For example, transponders can be updated through a wall scanner with an online licence

Knob cylinder and half-cylinder

- Simple and quick installation
- Modular construction for extra flexibility, e.g. simple, retrospective extension
- Knob cylinders can be deployed on internal and external doors
- Large number of options, e.g. APS, with a defined position of the locking lug for doors in escape and rescue routes, FZG, with freewheel function for gear locks in escape door locks, Waterproof, for outdoor use or fire protection (120 minutes).

Lever Cylinder

- for thin-walled doors on mailboxes, control cabinets and similar closures that can be closed on one side.

Comfort system APS

- Convenient handling
- Attractive design, through the minimalist design of the antenna caps
- Can be discreetly integrated into any building design
- Opening is done by simply presenting an authorised transponder
- for internal and external fire protection doors and emergency exit and escape route doors

Ordering information (system-dependent)

ES326.1111E ————— Comfort system for timber doors, single-sided authorisation

Accessories

ES0891 ————— CR2 3V Lithium battery

ES306.1005 ————— External power supply unit (not included in scope of delivery)