SALTO Neo Cylinder | User Manual

Scandinavian Profiles Cylinders

Fully integrated with the SALTO SPACE and SALTO KS platforms, the SALTO Neo is a versatile, cost-effective electronic cylinder with a compact size that permits an easy installation, bringing the latest technology to your SALTO access control system.

INDEX

PRODUCT DESCRIPTION

SALTO Neo cylinder is a battery operated electronic cylinder that brings all the advantages and benefits of an access control without wiring the door reducing installation costs and allowing you to control and manage virtually any kind of door.

The SALTO Neo cylinder is specially designed to fit most doors that are equipped with a mortise lock.
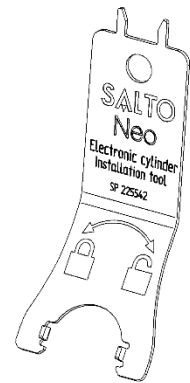
A wire free fully stand-alone electronic access control solution, it is suitable for installation in almost every type of wooden door including antique or listed wooden - metal - metal framed glass doors.

WHATS IN THE BOX
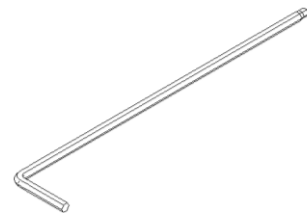
When you purchase a SALTO Neo electronic cylinder, you get:

· SALTO Neo electronic cylinder
· 4 battery LR1 type
· Installation guide

WARNING: for the maintenance of the cylinder in order to perform replacement of batteries or the installation of double knob cylinders, SALTO recommends to purchase the Installation tool (SP225542 - sold separately).
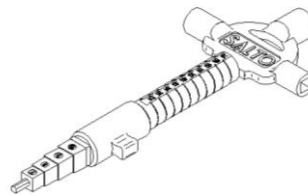
ACCESSORIES

· 2,5mm Allen key for SALTO Neo to remove the thumbturn (SP301585).
· 4 LR1 battery for SALTO Neo cylinders (SP01926-5).
· SALTO Euro cylinder measuring key for installers (PZ) (SP201587).
· Burglar resistant security ring kit to compliant with SSF3522 Grade 4 (SP225865).

WARNING: "The product should not be modified in any way except in accordance with those modifications described in the instructions".
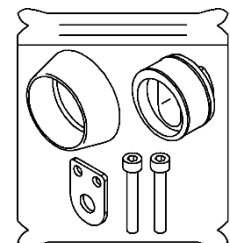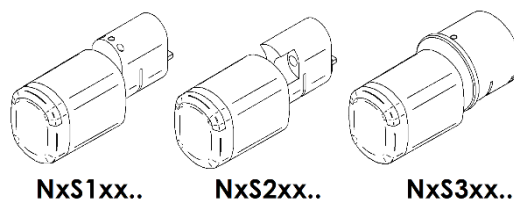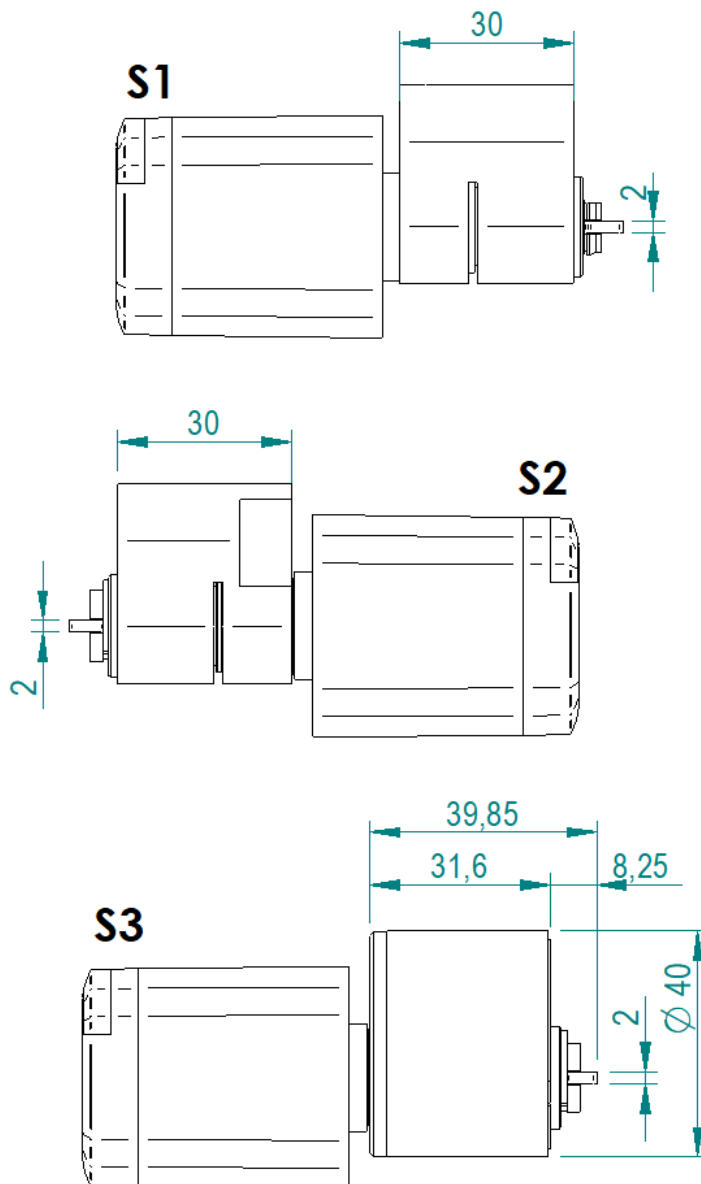

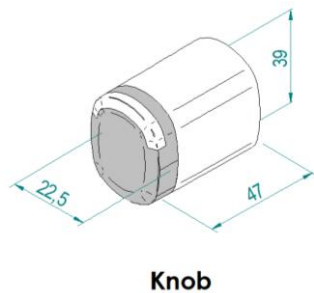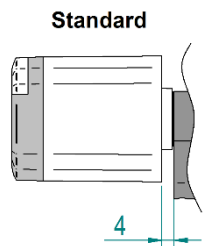SP301585   SP225688   SP201587   SP226322-IM

SALTO Neo RANGE

MODELS

· **S1** = Scandinavian external cylinder. **NxS1xx..**
· **S2** = Scandinavian internal cylinder. **NxS2xx..**
· **S3** = Security Scandinavian external cylinder. **NxS3xx..**

NxS1xx..   NxS2xx..   NxS3xx..

DIMMENSIONS

Standard

4

Knob

39
22,5
47

20
35

Ø 40

Scandinavian
Cylinder
Profile

Scandinavian
Round Cylinder
Profile

S1

30
2

S2

30
2

S3

39,85
31,6
8,25
2
Ø 40

CERTIFICATIONS

· CE
· FCC
· IC
· RCM
· MIC

· EN 15684 (1-6-B-3-A-F-3-2)
· IEC 60529 (IP66)
· SSF 3522 Burglar resistance class 4

TECHNICAL DATA

· **CURRENT REQUIRED** 4 x LR1 batteries.
· **ENVIRONMENTAL CONDITIONS:** -20 °C / +55 °C (without condensation).
　　　　　　　　　　　　　　　-35 ⁰C* / +55 ⁰C (exterior, only MIFARE).
　(*) Battery life reduced significantly.
· **NUMBER OF OPENINGS:** up to 130,000 (100,000 with BLE [3]) at 25°C.
· **ACCESS CONTROL SYSTEM:**
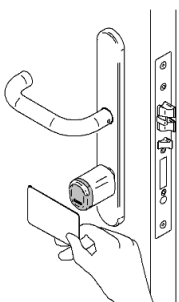　· RW System.
　· SALTO KS System.

ACCES CONTROL FEATURES

	RW System	**SALTO KS System**
Maximum number of users per door	4,000,000	1000 for IQ1 10000 for IQ2
Maximum number of door per system	65,000	Unlimited
Maximum events on lock audit	2,200	1462 (BLUEnet) 472 (RFnet)
Time zones	1,024	-
Time periods	256	128
Calendars in system	256	-
User groups	Unlimited	Unlimited
Management software	ProAccess SPACE ProAccess & HAMS (available SQL)	SALTO KS

		SALTO Neo
SYSTEMS	SMILE	-
	ROM	-
	SVN	✔
	SALLIS	-
	KS	✔
RADIO TECHNOLOGY	RFID	✔
	BLE	✔

KEYS	TAGS/CARDS		✔
	MOVIL - JustIN	JustIN NFC	✔
		JustIN BLE	✔

CONNECTIVITY	BLUENet	✔
SPECIAL FUNCTIONS	SVN-Flex	✔

OPENING MODELS

· **STANDARD:** locked at all times.
· **OFFICE:** Free passage ability.
· **TIMED OFFICE:** free passage with automatic locking.
· **AUTOMATIC OPENING:** 8 pairs of "hands free" timed lock and unlocks per day with holidays.
· **AUTOMATIC OPENING + OFFICE.**
· **TOOGLE:** present card to lock, present card to unlock.
· **TIME TOOGLE:** present car to lock, present card to unlock depending on schedules.
· **TWO PERSON RULE:** present two valid cards to unlock.
·

OPERATION OF THE CYLINDER

Present a valid card

Turn the knob to retrieve the latch and deadbolt

TIMEZONES

Each user can be assigned to a calendar and a time table consists of up to 8 different time intervals with a resolution of 10 minutes assigned to each day of the week. You can also distinguish between holidays, special days and working days.

EVENT AUDITOR

· Authorized access events auditor registration, denied access events auditor registration, system maintenance events auditor registration (low battery, PPD connection,…) and automatic actions events auditor registration (automatic opening…).
· Each events is logged: event type, user, date and time of the event.
· Permanent events registration. Non-volatile memory of the last X events (see table).

INSTALLATION

To install the SALTO Neo cylinder: following the instructions attached with the product, or visiting our website: **www.saltosystems.com/en/quick-links/manuals-and-guides/**

PROGRAMMING

To grant or deny access permissions are used to the right SW license. Once you update the system configuration:

· **RW SYSTEM**: the system allows electronic cylinders to read, receive and write information via its operating smart cards or "intelligent keys". This data is captured from the cards at SVN on-line hot spots located at strategic points around the building. The "online points" uploads and downloads user related information that is then used to permit, control or deny access.
· **KS SYSTEM**: the system allows electronic cylinders to read, receive and write information via radio SALTO KS.

BATTERIES

In the case of complete battery failure the product both safe and secure, i.e. the outside handle fails "locked" to avoid intrusions, the inside handle fails "open" to permit emergency openings.

WARNING: electronic cylinder in standalone or offline mode needs to be update with the PPD to recover the hour. "The product should not be modified in any way except in accordance with those modifications described in the instructions".

SALTO just warrantee the correct and best autonomy with Alkaline LR1 Energivm – batteries (SP01926-5).

SALTO Neo SIGNALS

ACCESS GRANTED

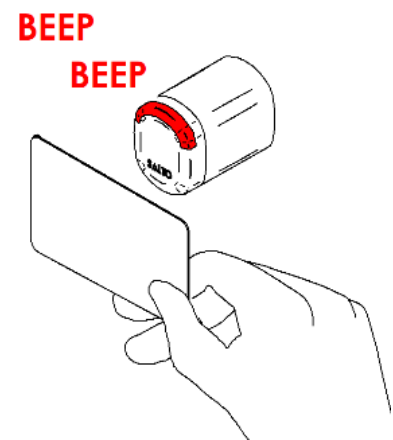Present a valid user key and get the access granted.

1 High pitched beep	1 Green light

BEEEEEEP

ACCESS DENIED

Present a not valid user key and get the access denied.
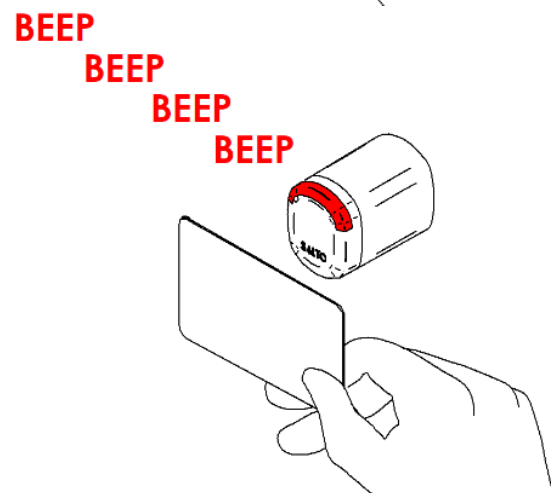
2 Short low pitched beeps	2 Red lights

BEEP
BEEP

LOW BATTERY STATUS

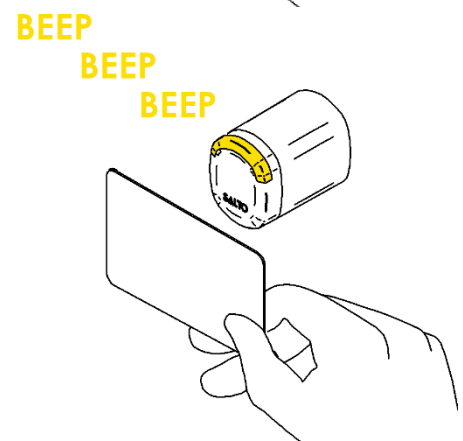After presenting a valid user card that has access to the door and opening the door, the cylinder will show 4 light red signal and then grant the access.

4 Short low pitched beeps	4 Red lights

BEEP
BEEP
BEEP
BEEP

BATTERY CHANGE (RESET)

Each time you change the batteries, the electronic will do a reset. The cylinder memory will not be erased. Toshow this reset, the cylinder show yellow lights with a lite sound.
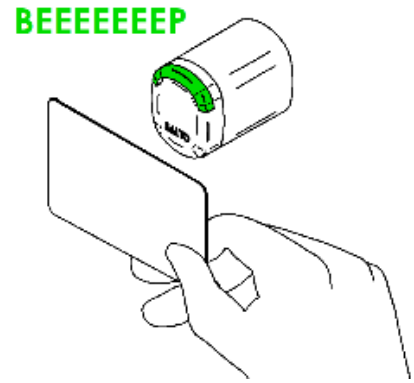
3 Short low pitched beeps	3 Yellow lights

BEEP
BEEP
BEEP

OFFICE MODE NOTICE

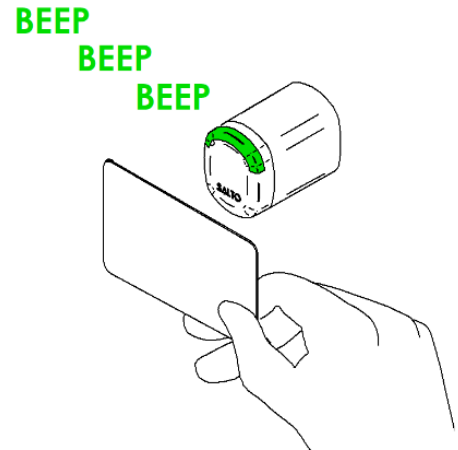Present a valid user key, the cylinder show a green ligth with a lite sound. The cylinder is in "office mode".

🔊	💡
1 High pitched beep	1 Green light

BEEEEEEEP

ACCESS GRANTED IN OFFICE MODE

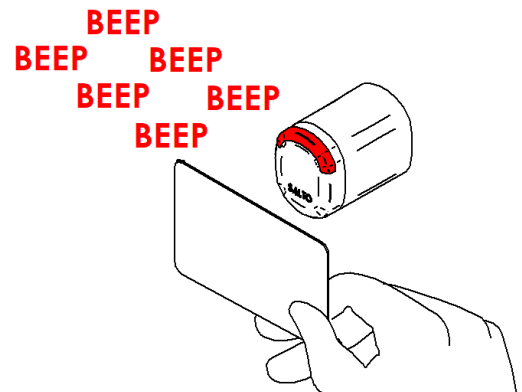Present a valid user key, the cylinder show 3 green ligths with a lite sound and get the access granted.

🔊	💡
3 Short high pitched beeps	3 Green lights

BEEP
BEEP
BEEP

ACCESS DENIED IN OFFICE MODE

Present a not valid user key, the cylinder show red ligths with a lite sound and get the access denied.

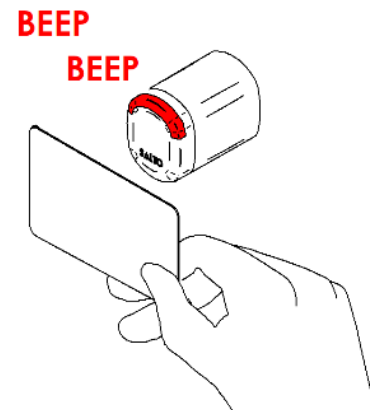| 🔊	💡
6 Short high pitched beeps	6 Red lights

BEEP
BEEP **BEEP**
BEEP **BEEP**
BEEP

OFFICE MODE END

Present a valid user key, the cylinder show 2 red ligths with a lite sound. The "office mode" is over.

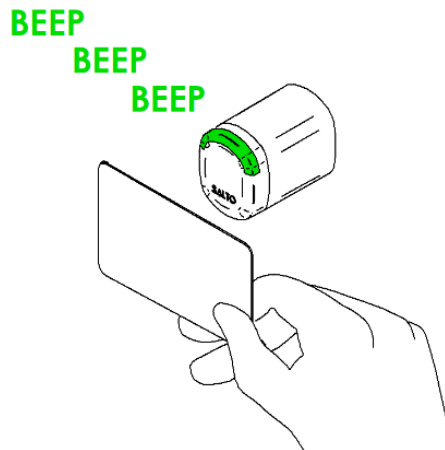| 🔊	💡
2 Short low pitched beeps	2 Red lights

BEEP
BEEP

ACCESS GRANTED + TOOGLE

After presenting a valid user card with "TOOGLE" credentials, the SALTO Neo cylinder will start the "TOOGLE" mode. This will be shown by 3 green lights and high pitched beeps.
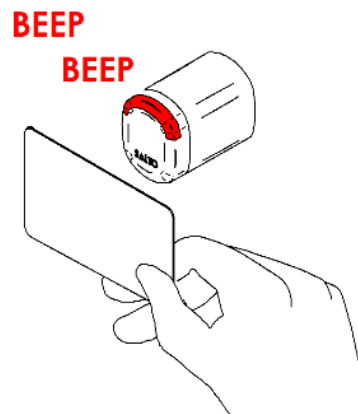
3 Short low pitched beeps	3 Green lights

BEEP
BEEP
BEEP

END TOOGLE

After presenting a valid user card with "TOOGLE" credentials, the SALTO Neo cylinder will end the "TOOGLE" mode. This will be shown by 2 red lights and low pitched beeps.

2 Short low pitched beeps	2 Red lights

BEEP
BEEP

SECURITY ERROR

When the cylinder shows continuous blinking light Finished and a combination of high and low pitched beeps and yellow lights, it means that the knob and the cylinder are not paired and they can not be mounted together.

Short / low pitched beeps	Yellow lights

BEEP **BEEP**
BEEP **BEEP**
BEEP **BEEP** **BEEP** **BEEP**
BEEP **BEEP** **BEEP**
BEEP **BEEP**
BEEP
BEEP

BRUSSELS
BELGIUM

AMSTERDAM
THE NETHERLANDS

SOUTHAM
UK

OSLO
NORWAY

KALUNDBORG
DENMARK

STOCKHOLM
SWEDEN

HELSINKI
FINLAND

NANTERRE
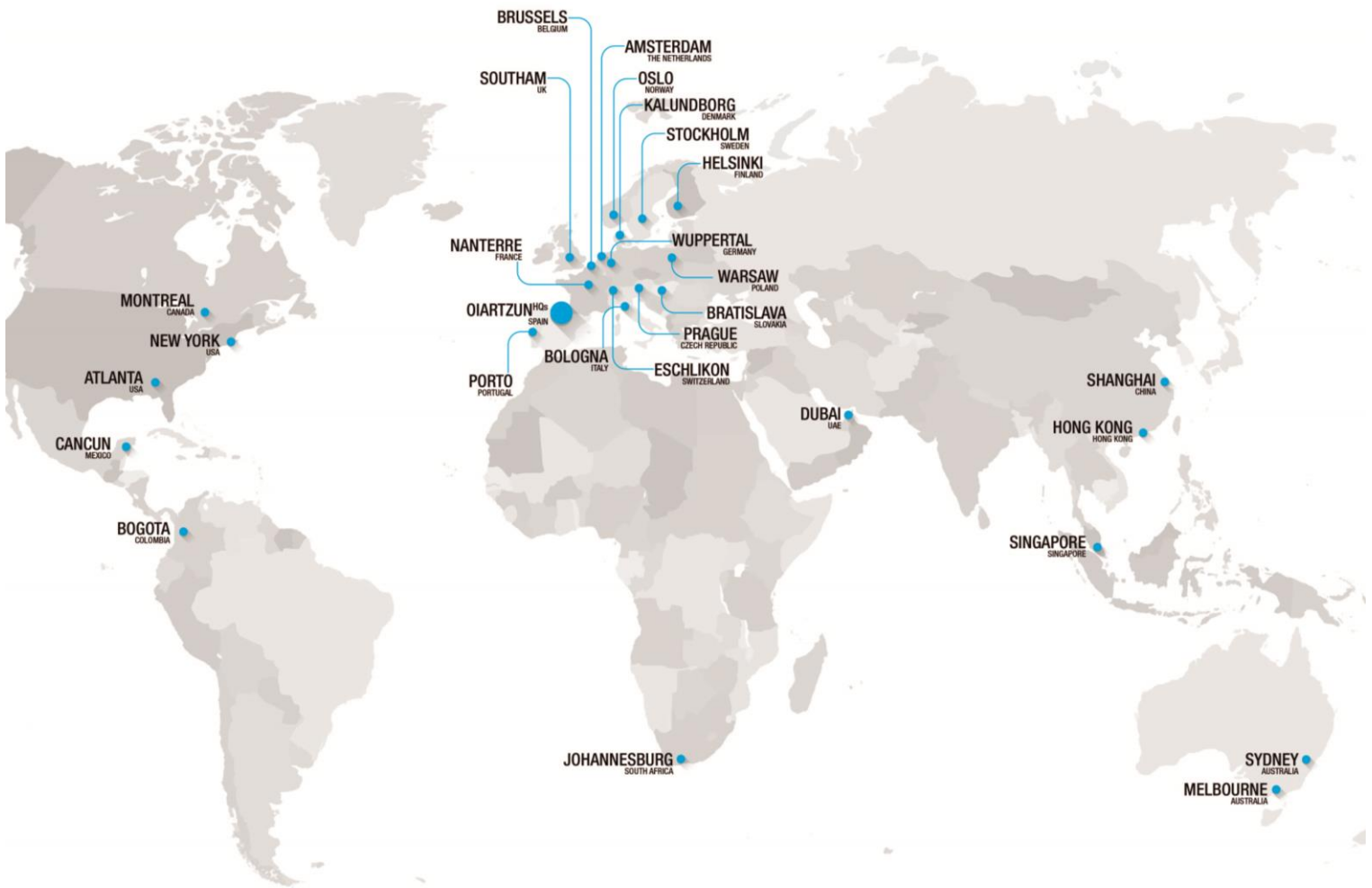FRANCE

WUPPERTAL
GERMANY

WARSAW
POLAND

OIARTZUN HQs
SPAIN

BRATISLAVA
SLOVAKIA

PORTO
PORTUGAL

PRAGUE
CZECH REPUBLIC

BOLOGNA
ITALY

ESCHLIKON
SWITZERLAND

MONTREAL
CANADA

NEW YORK
USA

ATLANTA
USA

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HONG KONG

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SINGAPORE

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AUSTRALIA

Learn more about innovative SALTO access control technologies through this QR Code using your smartphone to link to the SALTO website.

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