

Stand-alone Access control

TESA

ASSA ABLOY



Access control for each and everyone



TESA ASSA ABLOY self-programming access control, totally wireless with no software or management devices. Ideal for facilities with few doors and few users, in which key management is a problem.

SMARTair™ self-programming functions like an electronic masterkeying system that can be updated at any time to a system access control system.

A customized solution

The TESA ASSA ABLOY product range enables you to select the self-programming access control format that best suits your specific needs.



Simplicity above all

A simple change of lock can totally transform an access point.

Some programming cards are all you need to set up a self-programming system.

In just a few minutes, you will have complete control over all access points.



Total compatibility

100% compatible with all TESA ASSA ABLOY electromechanical products, to guarantee active and passive security of both belongings and people.



Guaranteed by TESA ASSA ABLOY

Purchasing TESA ASSA ABLOY is synonym of quality. Top-notch technology, expertise and certified processes awarded by the ISO 9001 and 14001 quality standards confirm the path to continuous innovation, growth and expansion within the organization.



Visual index

Proximity technology card
Page 5



Proximity technology key
Page 13



Contents

PROXIMITY CARD CREDENTIAL	5
Product range	5
Electronic handle	6
Wall reader	9
Electronic cylinder	11
Management kit and cards	12
ELECTRONIC KEY CREDENTIAL	13
STX electronic cylinder	13
STX electronic key	15
STX management kit	16

Stand alone access control

Proximity technology card

Product range



Electronic handles



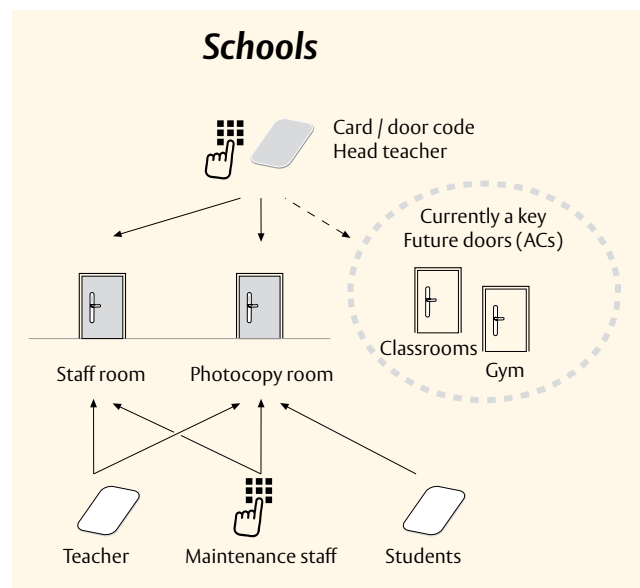
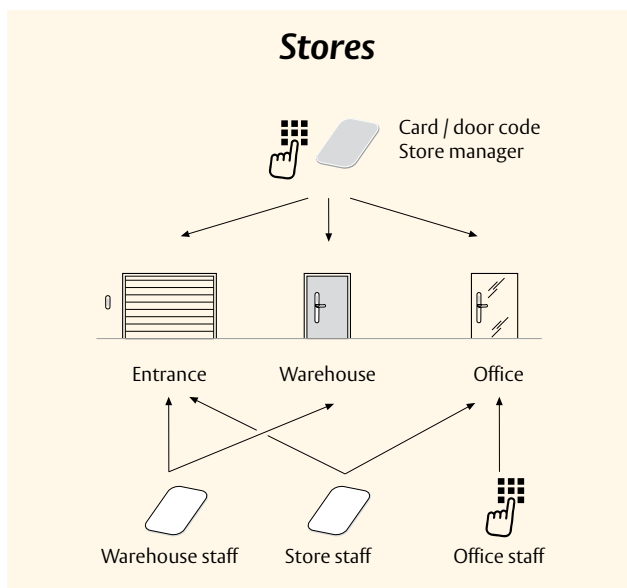
Wall readers

MANAGEMENT

- » Programming using a programming card.
- » No need for software or a computer.
- » Shadow card: when a user card is enabled, a second shadow card is automatically enabled too, so that if the original user card is lost, it can be cancelled simply by cancelling the shadow card.
- » User cards.
- » Can be extended to include access control (UoC, Offline or Wireless online).



APPLICATION



Stand alone access control

Proximity technology card

Electronic handle

- » Slim design that allows the installation in every door type.
- » Wide range of lever designs and mortise locks.
- » Two different aesthetics: long plate or rose handle + independent reader.
- » No wirings. Standard battery-powered lock.
- » Nor software, neither management devices needed.
- » Unlimited nr. of doors, up to 500 different users per door.
- » Identity technology: MIFARE standard, iCLASS® and DESFire.
- » Emergency power supply device
- » Standard stainless steel finish (I), option to choose matt brass PVD (M), or polished brass PVD (D).
- » Standard distance between centers 85 mm, available in 72 mm
- » Spindle for 8 mm handle
- » Wireless installation. Lock powered with standard batteries.
- » All the control components (except the reader module) are placed in the inside escutcheon, therefore offering anti-vandalism protection.
- » When the lock will not open, the outer handle turns freely to prevent forcing.
- » Can include a European profile mechanical cylinder for emergency mechanical opening.
- » Protections included with the Extreme model (outside use): IP56 (non keypad model) IP54 (keypad model).
- » The lock includes a single user card. Programming card, cylinder and mortise lock not included.
- » Mortise locks must have a single nut. Never a double nut.



Stand alone access control

Proximity technology card

Keypad-less electronic handle



Spy

With visible cylinder

Inside doors (with no IP protection grade)

Reference	
SNAC12SL1S008VI	L1S. No keypad. No cylinder.
SNAC12SL2V858VI	L2V. No keypad. External half cylinder visible 85 mm.
SNAC12SL3V858VI	L3V. No keypad. Double cylinder visible 85 mm.

Outside doors (with IP54 protection grade)

Reference	
SNAC12XL1S008VI	L1S. No keypad. No cylinder.
SNAC12XL2V858VI	L2V. No keypad. External half cylinder visible 85 mm.
SNAC12XL3V858VI	L3V. No keypad. Double cylinder visible 85 mm.

Electronic handle with keypad



Spy

With visible cylinder

Inside doors (with no IP protection grade)

Reference	
SNAC16SL1S008VI	L1S. Keypad. No cylinder.
SNAC16SL2V858VI	L2V. Keypad. External half cylinder visible 85 mm.
SNAC16SL3V858VI	L3V. Keypad. Double cylinder visible 85 mm.

Outside doors (with IP54 protection grade)

Reference	
SNAC16XL1S008VI	L1S. No cylinder.
SNAC16XL2V858VI	L2V. External half cylinder visible 85 mm.
SNAC16XL3V858VI	L3V. Double cylinder visible 85 mm.

Recommended TESA ASSA ABLOY mortise locks



2UB0

2030AUT

2240

Reference	
2UB0FA50AI	2UB0 Anti-panic Entrance 50mm / Square face 23mm
2UB0FA60AI	2UB0 Anti-panic Entrance 60mm / Square face 23mm
2UB0FA70AI	2UB0 Anti-panic Entrance 60mm / Square face 23mm

Handles



Vector



Xara



Sena



Zafira

Stand alone access control

Proximity technology card

Spindle kits

Spindles for doors with centred or uncentred internal mortise locks*

Product code	
STCCSPINKIT3038	For doors measuring between 30mm and 38mm
STCCSPINKIT3844	For doors measuring between 38mm and 44mm
STCCSPINKIT4450	For doors measuring between 44mm and 50mm
STCCSPINKIT5056	For doors measuring between 50mm and 56mm
STCCSPINKIT5662	For doors measuring between 56mm and 62mm
STCCSPINKIT6268	For doors measuring between 62mm and 68mm
STCCSPINKIT6874	For doors measuring between 68mm and 74mm
STCCSPINKIT7480	For doors measuring between 74mm and 80mm
STCCSPINKIT8086	For doors measuring between 80mm and 86mm
STCCSPINKIT8692	For doors measuring between 86mm and 92mm
STCCSPINKIT9298	For doors measuring between 92mm and 98mm
STCCSPINKIT9804	For doors measuring between 98mm and 104mm
STCCSPINKIT0410	For doors measuring between 104mm and 110mm
STCCSPINKIT1725	For doors measuring between 117mm and 125mm

Spindles for doors with uncentred external mortise locks*

Product code	
STCCSPINKIS3844	For doors measuring between 38mm and 44mm
STCCSPINKIS4450	For doors measuring between 44mm and 50mm
STCCSPINKIS5056	For doors measuring between 50mm and 56mm
STCCSPINKIS5662	For doors measuring between 56mm and 62mm
STCCSPINKIS6268	For doors measuring between 62mm and 68mm
STCCSPINKIS6874	For doors measuring between 68mm and 74mm
STCCSPINKIS7480	For doors measuring between 74mm and 80mm
STCCSPINKIS8086	For doors measuring between 80mm and 86mm
STCCSPINKIS8692	For doors measuring between 86mm and 92mm

*By default, locks include the STCCSPINKIT38/44

Exhibitors



Product code	
SNAC12SL1SDEMOT	L1S lock with no keypad on exhibitor + Programming card
SNAC16SL1SDEMOT	L1S lock with keypad on exhibitor + Programming card
SNAC12SL3VDEMOT	L3V lock with no keypad on exhibitor + Programming card
SNAC16SL3VDEMOT	L3V lock with keypad on exhibitor + Programming card

*Includes the SNALICSTA programming card

Stand alone access control

Proximity technology card

Autoprogrammable wall reader

The reader activates the locking element with a relay: electric strike, electromagnetic/motorized lock, etc. 12Vac/Vdc external power supply required.

Reference	Description
SNAR2PDSSI	Narrow wall reader. No keypad. 2 relay plate.
SNAR2PUSSB	Standard wall reader. No keypad. 2 relay plate.
SNAR2KUSSB	Standard wall reader. Keypad. 2 relay plate.

* Locking device not included (electric strike, electromagnetic lock...), or power supply.

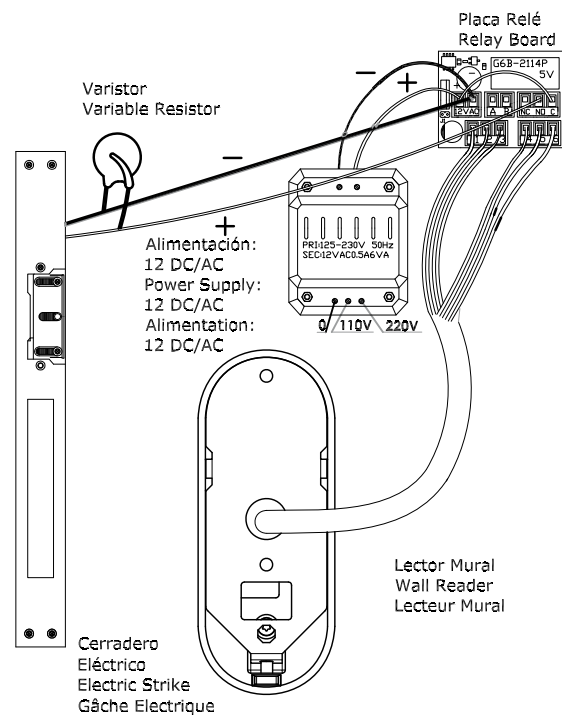


Mounting diagram

Delivered in a 1/1 box with screws, varistor, power supply and installation templates.

Once connected, and up to the moment when it has been programmed with the programming keycard, the reader is in.

Typical connection scheme of a reader with an electric strike:



Accessories

Power supply

Application

» Electric power supply for all kinds of electromechanical, electromagnetic locks and direct current electric strikes.

Features

- » Input installation: 220 Vac/50 Hz.
- » FATEL 12V: 12Vdc/4,5 A:
- » Size: 122 x 60 x 35mm.
- » Connector wire equipped with earth connection.
- » Including support for installation.



Product code	Description
FATEL 12V	Power supply

Transformer

Application

» Electric power supply for electric strikes.

Features

- » Input installation 220Vac/50 Hz.
- » Output voltage 12Vac/0,5A.
- » Sizes: 79 x 44 x 32mm.
- » Internal fuse.
- » Weight: 0,325 Kg.



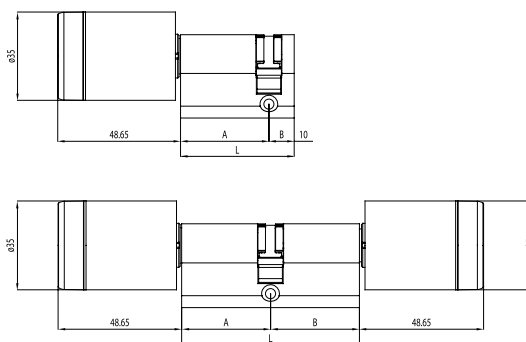
Product code	Description
TRFCERBIT	Transformer 12Vac

Stand alone access control

Proximity technology card

Electronic Knob Cylinder

- » Allows the installation in every door type. Ideal for RETROFIT operations which require keeping part of the installation.
- » Compatible with mortise locks that allow cylinder installation.
- » Models: Half cylinder, double cylinder with mechanical inside knob and double cylinder with inside electronic knob control.
- » Stand-alone operation. No wirings. Standard battery-powered lock.
- » No software, no management equipment
- » Unlimited nr. of doors, up to 500 different users per door.
- » Identity technology: MIFARE standard.
- » Emergency power device.
- » Finishes: Standard stainless steel.
- » Wireless installation. Powered by a CR123A battery.
- » When the cylinder is in closed mode. The knob turns freely avoiding the possibility of being forced.



- » Various dimensions available for different door widths. Specify A and B distances (see picture)
- » The lock includes one user keycard. Programming card and mortise lock to be ordered separately.

Half Euro Cylinder	IP	External Length	External Knob	Internal Length	Internal Knob	Mifare Reference
	Indoor	30mm	Electronic	10mm	Mechanic	SNAK12S530E10MI
		35mm	Electronic	10mm	Mechanic	SNAK12S535E10MI
		40mm	Electronic	10mm	Mechanic	SNAK12S540E10MI
		45mm	Electronic	10mm	Mechanic	SNAK12S545E10MI
	Outdoor	30mm	Electronic	10mm	Mechanic	SNAK12X530E10MI
		35mm	Electronic	10mm	Mechanic	SNAK12X535E10MI
		40mm	Electronic	10mm	Mechanic	SNAK12X540E10MI
		45mm	Electronic	10mm	Mechanic	SNAK12X545E10MI
Double Euro Cylinder	IP	External Length	External Knob	Internal Length	Internal Knob	Mifare Reference
	Indoor	30mm	Electronic	30mm	Mechanic	SNAK12S530E30MI
			Electronic	35mm	Mechanic	SNAK12S530E35MI
			Electronic	40mm	Mechanic	SNAK12S530E40MI
		35mm	Electronic	30mm	Mechanic	SNAK12S535E30MI
			Electronic	35mm	Mechanic	SNAK12S535E35MI
			Electronic	40mm	Mechanic	SNAK12S535E40MI
	Outdoor	30mm	Electronic	30mm	Mechanic	SNAK12S540E30MI
			Electronic	35mm	Mechanic	SNAK12S540E35MI
			Electronic	40mm	Mechanic	SNAK12S540E40MI
		35mm	Electronic	30mm	Mechanic	SNAK12X530E30MI
			Electronic	35mm	Mechanic	SNAK12X530E35MI
			Electronic	40mm	Mechanic	SNAK12X530E40MI
40mm	Electronic	30mm	Mechanic	SNAK12X535E30MI		
	Electronic	35mm	Mechanic	SNAK12X535E35MI		
	Electronic	40mm	Mechanic	SNAK12X535E40MI		
	Electronic	30mm	Mechanic	SNAK12X540E30MI		
	Electronic	35mm	Mechanic	SNAK12X540E35MI		
	Electronic	40mm	Mechanic	SNAK12X540E40MI		

Double Euro Cylinders: +5 mm. Maximum total length 150mm

Stand alone access control

Proximity technology card

Management kit

In order to start using an autoprogrammable SmartAir access control we require neither costly computer systems nor learning to use complex managements programs. All we need is a Programming card (which identifies an installation, making it different from the rest) and as many cards as users are required by the installation.

There is a programming card with shadow function available, which enables you to create a shadow card every time you enable a user card. This enables you to eliminate the user in the event of them losing the principal card.

TESA ASSA ABLOY has brought together all these elements in a kit, along with a simple tool that performs emergency openings when the system runs out of batteries.

Product code	Description
SNACKITSTA	Kit with standard programming card
SNACKITSTASDW	Kit with programming card with shadow function

* Includes programming card + emergency kit with batteries + 25 MIFARE 1k cards



Programming card

Its unique, exclusive code will allow to program as many locks as is required by the installation. You can rest assured that no other programming card will be taken into account from that moment on.

The programming card with Shadow function allows to:

- » Add users and their shadow cards.
- » Add users with option to leave the door in passage mode and their shadow cards.
- » Lost card cancellation in the lock through the shadow card
- » Cancel all the users at a time.

User cards

With the programming card with shadow function, cards are enabled in pairs. One card is given to the user and the other is kept in a secure place to enable the card given to the user to be cancelled at any time.

Emergency opening battery

By installing three AAA batteries in this element, and once it has been connected to the lock, we will be able to replace the internal batteries in case the system runs out of them. Once it's been connected, the door will allow access to any authorized card.



Product code	Description
SNACLICSTA	Programming card
SNACLICSTASDW	Programming shadow card



Product code	Description
STCTARS21K	Mifare 1K user keycard



Product code	Description
STACKITEMERG	Emergency opening battery

STX access control

Electronic key

STX electronic cylinder

- » Quick installation, just as a mechanical cylinder.
- » The cylinder has no power supply. The key supplies the energy required in order to open,
- » Autoprogrammable system – you just need a programming key and user's keys.
- » All the monitoring elements are located inside the cylinder, and therefore protected: control unit, reader and deadbolt device.
- » In the outdoors version, the electronic cylinder is resistant to water and to adverse climatic conditions.
- » It is possible to have a stock of replacement cylinders that can be easily recorded and integrated with the installation.
- » It is possible to combine in one installation TESA ASSA ABLOY's mechanical and electronic cylinders. (T80 and TX80 series).



Types of cylinders

All the necessary elements (control unit, reader and motorized clutch) are located in one side of the cylinder, with a minimum length of 35mm.

Version	
Standard	For internal doors
Outdoors	Water resistance. Designed with an internal drainage system.
	All the electronic elements have been silicon-coated and protected with sealing joints. IP54 degree of protection from humidity and condensation.
Lengths	
Minimum	Half cylinder 35x10 mm. Double cylinder 35 x 35 mm.
Supplements	5mm intervals in any side with a maximum total (for both sides) of 120 mm or 60 mm on one side. Ask for other sizes.
Excentric	
13,2 mm	Ironwork doors with eccentric lock 13,2
15 mm	Other doors
Finishes	
Nickel	
Polished brass (surcharge applies)	



Half cylinder



Electronic - Electronic



Electronic - Thumbturn



Electronic - Mechanical

Stand alone access control

Electronic key

Type	Use	Cam	Electronic side	Mechanic side	Finish	Product code
Half electronic cylinder(STAX)	Standard (S)	15mm (5)	35E	10M	Nickel (N)	STAXSE535E10MN
Half electronic cylinder(STAX)	Standard (S)	15mm (5)	40E	10M	Nickel (N)	STAXSE540E10MN
Half electronic cylinder(STAX)	Standard (S)	15mm (5)	45E	10M	Nickel (N)	STAXSE545E10MN
Half electronic cylinder(STAX)	All weather (X)	15mm (5)	35E	10M	Nickel (N)	STAXXE535E10MN
Half electronic cylinder(STAX)	All weather (X)	15mm (5)	40E	10M	Nickel (N)	STAXXE540E10MN
Half electronic cylinder(STAX)	All weather (X)	15mm (5)	45E	10M	Nickel (N)	STAXXE545E10MN
Type	Use	Cam	Electronic side	Mechanic side	Finish	Product code
Electronic - Mechanical cylinder (STAX)	Standard (S)	15mm (5)	35E	35M	Nickel (N)	STAXSE535E35MN
Electronic - Mechanical cylinder (STAX)	Standard (S)	15mm (5)	40E	40M	Nickel (N)	STAXSE540E40MN
Electronic - Mechanical cylinder (STAX)	Standard (S)	15mm (5)	45E	45M	Nickel (N)	STAXSE545E45MN
Electronic - Mechanical cylinder (STAX)	Standard (S)	13,2mm (3)	35E	35M	Nickel (N)	STAXSE335E35MN
Electronic - Mechanical cylinder (STAX)	Standard (S)	13,2mm (3)	40E	40M	Nickel (N)	STAXSE340E40MN
Electronic - Mechanical cylinder (STAX)	Standard (S)	13,2mm (3)	45E	45M	Nickel (N)	STAXSE345E45MN
Electronic - Mechanical cylinder (STAX)	All weather (X)	15mm (5)	35E	35M	Nickel (N)	STAXXE535E35MN
Electronic - Mechanical cylinder (STAX)	All weather (X)	15mm (5)	40E	40M	Nickel (N)	STAXXE540E40MN
Electronic - Mechanical cylinder (STAX)	All weather (X)	15mm (5)	45E	45M	Nickel (N)	STAXXE545E45MN
Electronic - Mechanical cylinder (STAX)	All weather (X)	13,2mm (3)	35E	35M	Nickel (N)	STAXXE335E35MN
Electronic - Mechanical cylinder (STAX)	All weather (X)	13,2mm (3)	40E	40M	Nickel (N)	STAXXE340E40MN
Electronic - Mechanical cylinder (STAX)	All weather (X)	13,2mm (3)	45E	45M	Nickel (N)	STAXXE345E45MN
Type	Use	Cam	Electronic side	Mechanic side	Finish	Product code
Electronic - Thumbturn(STAX)	Standard (S)	15mm (5)	35E	35B	Nickel (N)	STAXSE535E35BN
Electronic - Thumbturn(STAX)	Standard (S)	15mm (5)	40E	40B	Nickel (N)	STAXSE540E40BN
Electronic - Thumbturn(STAX)	Standard (S)	15mm (5)	45E	45B	Nickel (N)	STAXSE545E45BN
Electronic - Thumbturn(STAX)	Standard (S)	13,2mm (3)	35E	35B	Nickel (N)	STAXSE335E35BN
Electronic - Thumbturn(STAX)	Standard (S)	13,2mm (3)	40E	40B	Nickel (N)	STAXSE340E40BN
Electronic - Thumbturn(STAX)	Standard (S)	13,2mm (3)	45E	45B	Nickel (N)	STAXSE345E45BN
Electronic - Thumbturn(STAX)	All weather (X)	15mm (5)	35E	35B	Nickel (N)	STAXXE535E35BN
Electronic - Thumbturn(STAX)	All weather (X)	15mm (5)	40E	40B	Nickel (N)	STAXXE540E40BN
Electronic - Thumbturn(STAX)	All weather (X)	15mm (5)	45E	45B	Nickel (N)	STAXXE545E45BN
Electronic - Thumbturn(STAX)	All weather (X)	13,2mm (3)	35E	35B	Nickel (N)	STAXXE335E35BN
Electronic - Thumbturn(STAX)	All weather (X)	13,2mm (3)	40E	40B	Nickel (N)	STAXXE340E40BN
Electronic - Thumbturn(STAX)	All weather (X)	13,2mm (3)	45E	45B	Nickel (N)	STAXXE345E45BN
Type	Use	Cam	Electronic side	Mechanic side	Finish	Product code
Electronic -Electronic (STAX)	Standard (S)	15mm (5)	35E	35E	Nickel (N)	STAXSE535E35EN
Electronic -Electronic (STAX)	Standard (S)	15mm (5)	40E	40E	Nickel (N)	STAXSE540E40EN
Electronic -Electronic (STAX)	Standard (S)	15mm (5)	45E	45E	Nickel (N)	STAXSE545E45EN
Electronic -Electronic (STAX)	Standard (S)	13,2mm (3)	35E	35E	Nickel (N)	STAXSE335E35EN
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Electronic -Electronic (STAX)	All weather (X)	15mm (5)	45E	45E	Nickel (N)	STAXXE545E45EN
Electronic -Electronic (STAX)	All weather (X)	13,2mm (3)	35E	35E	Nickel (N)	STAXXE335E35EN
Electronic -Electronic (STAX)	All weather (X)	13,2mm (3)	40E	40E	Nickel (N)	STAXXE340E40EN
Electronic -Electronic (STAX)	All weather (X)	13,2mm (3)	45E	45E	Nickel (N)	STAXXE345E45EN

Electronic cylinders

Electronic key

STX electronic key

- » Non-volatile key memory No information is lost when the battery runs out or is replaced.
- » Data is protected, thereby preventing keys from being copied.
- » A unique red authorisation key for each facility, to guarantee that only the person responsible for that facility can authorise keys and cylinders.
- » Data transmission between cylinder and key is encrypted.



Operating conditions

Humidity	Temperature
Up to 85% with no condensation	0°C / 70°C

Types of key

Options	
Electronic key	(uncut) for facilities with electronic cylinders
Cut T80 key	To combine with T80 system mechanical cylinders
Cut TX80 key	To combine with TX80 system mechanical cylinders

Technical features	
Dimensions	95 x 36 x 9 mm
Technology	Contact chip
Power supply	Battery type: CR 2032 Li-Mn 3V Estimated duration: > 10,000 operations
Warning LED	Green LED: access authorised Red LED: access denied

- » Wireless installation with no power supply. System powered by standard battery in the key.
- » No software or management devices.
- » Unlimited number of doors, max. 500 users per door.
- » The range includes Cylinders and Half Cylinders.
- » Keys can be combined with T80 and TX80 system master keys.

Programming key and self-programming kit

Reference	Description
STAXKITSTA	Self-programming kit (programming key + 3 user keys)
STAXLICSTA	Programming key

User keys

Type	Cut	Compatible with	Reference
TS	Uncut	T80	STALXCTSGNT
TS	Cut	T80	STALXCTSTGNT
SE	Cut in factory	TX80	STALXCSETGNTR

STX access control

Electronic key

STX management kit

The autoprogrammable cylinder brings you all the advantages and flexibility of the access control offline cylinder while at the same time sidestepping the complications derived from the management devices they include.

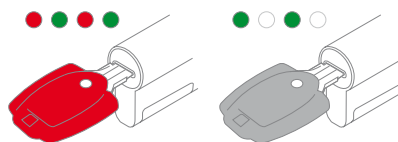
The autoprogrammable management Kit includes: a (red) programming card and three (grey) user keys.



Users register

- 1) Start the programming sequence by inserting the (red) programming key in the cylinder. The key's light will shine in red and green colours several times.
- 2) Insert the key you wish to authorize. The key's light will shine in green, flashing several times.

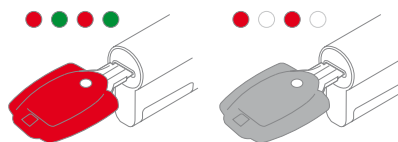
Repeat steps 1 and 2 for each key you wish to register in the cylinder.



Delete users

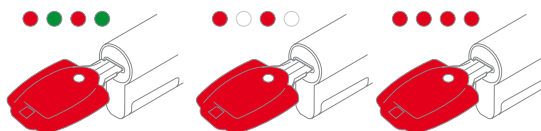
- 1) Start the programming sequence by inserting the (red) programming key in the cylinder. The key's light will shine in red and green colours several times.
- 2) Insert the key you wish to delete. The key's light will shine in red, flashing several times.

Repeat steps 1 and 2 for each key you wish to delete from the cylinder.



Erase all

- 1) Start the programming sequence by inserting the (red) programming key in the cylinder. The key's light will shine in red and green colours several times.
- 2) Insert for the second time the programming key. The key's light will shine in red, flashing quickly several times. The cylinder is warning us that total erasure is going to take place.
- 3) Insert for the third time the programming key. The key's light will shine in red permanently for a few seconds. The cylinder is now empty.





ASSA ABLOY

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ASSA ABLOY is the global leader in door opening solutions,
dedicated to satisfying end-user needs for security, safety and convenience