Stand-alone Access control

TESA

ASSA ABLOY

Access control for each and everyone

TESA is launching its new access control, which employs neither software nor management systems. Its product range is simple, no wires and completely stand alone.

Specially designed for low user traffic installations and few doors to control.

SMARTair stand alone functions as an electronic master key that can be updated at any time.

A customized solution

TESA is launching its new access control, which employs neither software nor management systems. Its product range is simple, wireless and completely autonomous.

Total compatibility

100% compatible with TESA's electromechanical products, and 100% compatible with TESA's armoured doors in order to ensure active and passive security and safety.

We can grant access to everything

From a gate with a TITANIUM security padlock to a glass door with a knob from the ACCESS range. Plus metallic doors, fire doors, etc.

Simplicity above all

As long as you have a programming key/card and user credentials, you can start the system. In a few minutes you will have an access control installed in your door.

NO SOFTWARE, NO MANAGEMENT EQUIPMENT

CD   PC   EDITOR   PP

Guaranteed by TESA

Purchasing TESA 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.

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Proximity technology card

Electronic lock

- » 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: 13,56 MHz MIFARE standard.
- » Finishes: Stainless steel (I), PVD satin brass (M), PVD polished brass (D).
- » Distance between axes: 70, 72, 85, 92 or 105 mm.
- » Square spindles: 7, 8 and 9 mm available.
- » All the control components (except the reader module) are placed in the inside escutcheon, therefore offering anti-vandalism protection.
- » Emergency key override optional.

NO SOFTWARE, NO MANAGEMENT EQUIPMENT

CD

PC

ENCODER SMARTair

Portable programmer
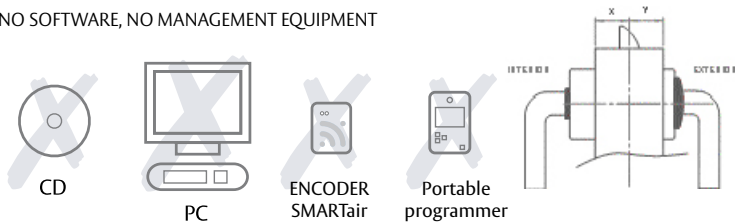
To order specify X and Y distances (see picture).
- » The lock includes one user keycard. Programming and user cards, mechanical cylinder and mortise lock to be ordered separately.
- » Mortise locks with standard follower. Split follower can not be used.

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Stand alone access control
Proximity technology card

Models

Long plate

Short plate

| Long plate | Long plate with cylinder | Long plate with concealed cylinder | Short plate | Short plate with cylinder |

Functions

Models with electronic privacy: (the internal side is always the same in both the long plate and short plate models).

Models without electronic privacy: (the internal side is always the same in both the long plate and short plate models).

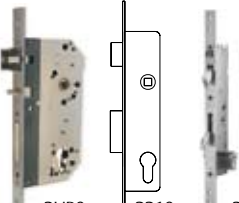| Internal thumb - turn | Neither cylinder nor thumb - turn | External cylinder /Internal cylinder |

Handles

| Vector | Sena | Xara | Zafira | Pull knob |

Stand alone access control
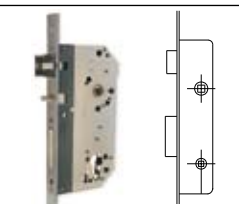## Proximity technology card

No cylinder, no thumbturn

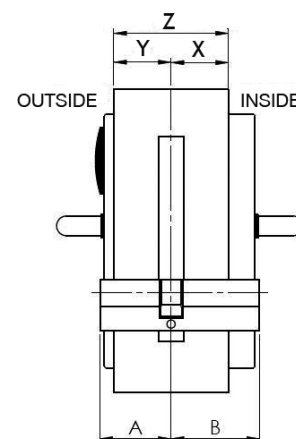| Product code	Description
STAC12SL1S008VI	Standalone lock for inside doors, long plate, no cylinder, vector handle, stainless steel
STAC12XL1S008VI	Standalone lock for external doors, long plate, no cylinder, vector handle, stainless steel
STAC12SC1S008VI	Standalone lock for inside doors, short plate, no cylinder, vector handle, stainless steel
STAC12XC1S008VI	Standalone lock for external doors, short plate, no cylinder, vector handle, stainless steel
2UB4FA60AI	Wooden doors. Panic function.
221528AI	Metalic doors. No panic function.
4240AUT303NI	Metalic doors. No panic function. Automatic.

2UB0   2210   2240

Recommended mortise locks (not included).

*Cylinder not included. Take into account 15 mm outside and 25 mm inside.
Example: for a lock centered in a 40 mm thickness door, select the 35-45 mm cylinder.

No external cylinder, internal thumbturn

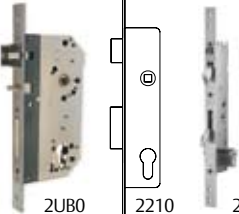| Product code	Description
STAC12SL5S858VI	Standalone lock for inside doors, long plate, internal thumbturn, vector handle, stainless steel
STAC12XL5S858VI	Standalone lock for external doors, long plate, internal thumbturn, vector handle, stainless steel
STAC12SC5S858VI	Standalone lock for inside doors, short plate, internal thumbturn, vector handle, stainless steel
STAC12XC5S858VI	Standalone lock for external doors, short plate, internal thumbturn, vector handle, stainless steel
2UB4FA60AI	Wooden doors. Panic function.
221428AI	Metalic doors. No panic function.

2UB4   2214

Recommended mortise locks (not included).

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Stand alone access control
Proximity technology card

Double cylinder

	Product code	Description
	STAC12SL3V858VI	Standalone lock for inside doors, long plate, visible cylinder, vector handle, stainless steel
	STAC12XL3V858VI	Standalone lock for external doors, long plate, visible cylinder, vector handle, stainless steel
	STAC12SC3V858VI	Standalone lock for inside doors, short plate, visible cylinder, vector handle, stainless steel
	STAC12XC3V858VI	Standalone lock for external doors, short plate, visible cylinder, vector handle, stainless steel
	2UB0FA60AI	Wooden doors. Panic function.
	221028AI	Metalic doors. No panic function.
	4240AUT303NI	Metalic doors. No panic function. Automatic.

2UB0   2210   2240

Recommended mortise locks (not included)

Exhibitors

	Product code	Description
	STAC12SL1SDEMO	Lock without cylinder
	STAC12SL5SDEMO	Lock with internal thumbturn
	STAC12SL3VDEMO	Lock with double visible cylinder.

Spindle kits

| Product code	Description		Product code	Description
STCCSPINKIT3038	Spindle KIT 30 / 38		STCCSPINKIT7480	Spindle KIT 74 / 80
STCCSPINKIT3844	Spindle KIT 38 / 44		STCCSPINKIT8086	Spindle KIT 80 / 86
STCCSPINKIT4450	Spindle KIT 44 / 50		STCCSPINKIT8692	Spindle KIT 86 / 92
STCCSPINKIT5056	Spindle KIT 50 / 56		STCCSPINKIT9298	Spindle KIT 92 / 98
STCCSPINKIT5662	Spindle KIT 56 / 62		STCCSPINKIT98104	Spindle KIT 98 / 104
STCCSPINKIT6268	Spindle KIT 62 / 68		STCCSPINKIT0410	Spindle KIT 104 / 110
STCCSPINKIT6874	Spindle KIT 68 / 74			

*According door thickness (z)

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: 13,56 MHz MIFARE standard.
» Emergency power device
» Finishes: Standard stainless steel
» No wirings. Standard battery-powered lock.
» All the control components (excepting the reader module) are placed in the inside
» When the cylinder is in closed mode. The knob turns freely avoiding the possibility of being forced.
» Emergency key override optional.

NO SOFTWARE, NO MANAGEMENT EQUIPMENT

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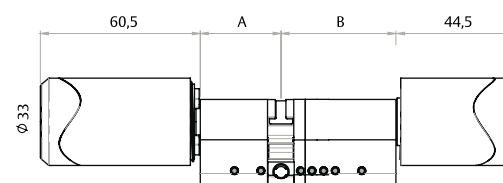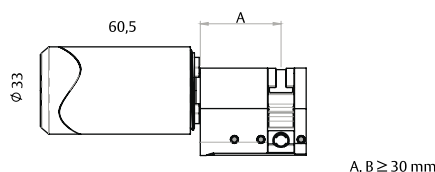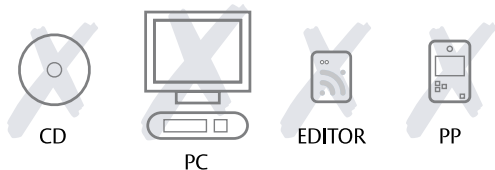
» Various dimentions available for different door widths. Specify A and B distances (see picture)
» The lock includes one user keycard. Programming card and mortise lock to be ordered separately.

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 (IP56)	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
		40mm	Electronic	30mm	Mechanic	SNAK12S540E30MI
			Electronic	35mm	Mechanic	SNAK12S540E35MI
			Electronic	40mm	Mechanic	SNAK12S540E40MI
	Outdoor (IP56)	30mm	Electronic	30mm	Mechanic	SNAK12X530E30MI
			Electronic	35mm	Mechanic	SNAK12X530E35MI
			Electronic	40mm	Mechanic	SNAK12X530E40MI
		35mm	Electronic	30mm	Mechanic	SNAK12X535E30MI
			Electronic	35mm	Mechanic	SNAK12X535E35MI
			Electronic	40mm	Mechanic	SNAK12X535E40MI
		40mm	Electronic	30mm	Mechanic	SNAK12X540E30MI
			Electronic	35mm	Mechanic	SNAK12X540E35MI
			Electronic	40mm	Mechanic	SNAK12X540E40MI

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

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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.

Connectors	Description
CN1	12Vac/Vdc power supply
CN2	Standby consumption 80 uA Consumption with operating relay: 150 mA
CN3	Relay backset: NO, NC and C. Cut capacity: 5A 250Vac/5A 30Vdc
CLR	RESET button for the erasing of the reader's memory
Operation conditions	Description
Humidity	Up to 85% without condensations
Temperature	-10º - 80ºC

Noises of the electric strike: we recommend installing the VARISTOR (which is included in the package) in the electric strike in order to absorb the noises it may produce. ALTERNATING CURRENT ONLY

Mounting diagram

Delivered in a 1/1 box with screws, varistor, power supply ans 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:

Reference	Description
STAR2PUSSB	Stand alone universal wall reader
STAR2PDSSI	Stand alone design wall reader
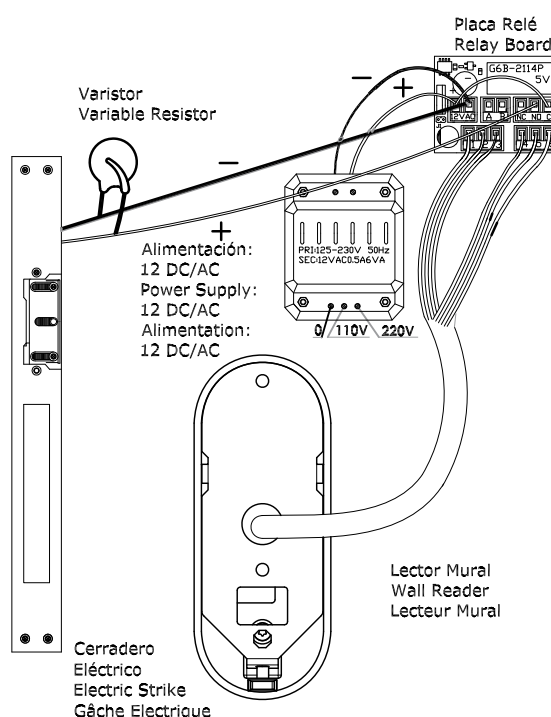
Stand alone access control
Proximity technology card

Autoprog. 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.

TESA 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
STACKITSTA	Stand alone kit includes: programming card, 25 user cards and emergency opening battery.
STACKITASDW	Stand alone shadow kit includes: programming shadow card, 24 user cards (12 users, 12 shadow cards) and emergency opening battery

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.

Product code	Description
STACLICSTA	Programming card
STACKICSTASDW	Programming shadow card

User cards

Ready to be included in the list of users allowed by each door, they will have to be presented to the lock before they've been allowed access.

Product code	Description
STATARS2T	Mifare 1K user keycard

Simple functionality

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
STACKITEMERG	Emergency opening battery

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Stand alone access control
Proximity technology key

Combi key RFID

The RFID COMBI key from TESA allows mechanical master key systems to be compatible with TESA Standalone or other access control systems in only one device or credential.

COMBI key can be compatible with mechanical T80, TX80 or TK100 cylinders, furthermore, user will also have access to RFID MIFARE technology electronic lock or wall readers simply approaching the key head.

Key head with RFID MIFARE 1K technology chip (European Standard)

mifare®

	Master keyed	Blank key
System	Product code	Product code
T80	LLAT80TALLCOMBI	LLAVBRT80COMBI
TX80	LLATX8TALLCOMBI	

Electronic

Mechanism

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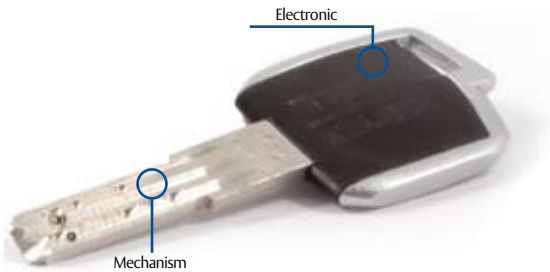
Stand alone access control
Electronic key

Stand alone 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's mechanical and electronic cylinders.

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
	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 75 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 PVD	

Half cylinder

Electronic - Electronic

Electronic - Thumbturn

Electronic - Mechanical

Stand alone access control
Electronic key

Electronic key

» Non-volatile memory of the key. No information will be lost when the battery is used up or replaced.
» Protected data prevent the key from duplication.
» One only red authorization key for each installation ensures that only the person in charge of the key will be able to record keys and cylinders.
» Reading and writing contact chip.
» Great capacity for storing and protecting data.
» Encrypted data transmission between the cylinder and the key.

NON SOFTWARE, NO MANAGEMENT EQUIPMENT

CD   PC   EDITOR SmartAir   PP

Operation conditions

| Humidity	Temperature
Up to 85% without condensation	-20ºC / 70ºC

Types of key

Options	
Electronic Key	(Uncarved) for installations with electronic cylinders
T80 carved key	To be combined with mechanical cylinders (T80 system)
TX80 carved key	To be combined with mechanical cylinders (TX80 system)

Technical Features	
Size	95 x 36 x 9 mm
Technology	Contact chip
Power supply	Type of battery: CR 2032 Li-Mn 3V
	Estimated duration: > 10,000 operations
Warning LED	Green LED: authorized access.
	Red LED: denied access.

» No wirings, no battery needed. The system works feeded through a standard battery in the key.
» No software, no management station are needed.
» Unlimited number of doors, up to 500 users per door.
» Product range: double and half euro cylinders.
» Electronic keys can open as well masterkeyed mechanical cylinders T80 and TX80.
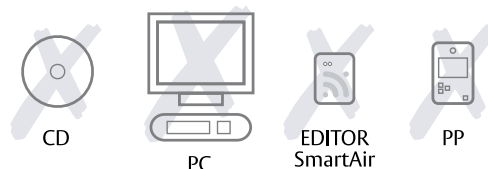
Programming key and stand alone kit

Reference	Description
STAXKITSTA	Stand alone kit (programming key + 3 user keys)
STAXLICSTA	Programming key

User keys

Type	Format	Compatible with	Reference
TS	Blank	T80	STALXCTSNGNT
TS	Cut	T80	STALXCTSTGNT
SE	Cut (only in TESA)	TX80	STALXCSETGNTR

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Stand alone access control
Electronic key

Autoprogr. 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) pro gramming 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.
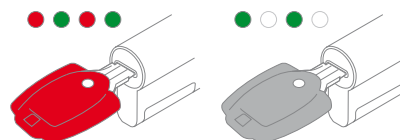
Delete users

1) Start the programming sequence by inserting the (red) progr mming 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.
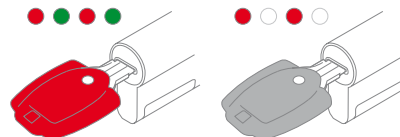
Erase all

1) Start the programming sequence by inserting the (red) progra mming 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.

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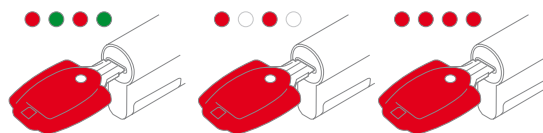
Stand alone access control
Pin code

Easy and comfortable
CodeHandle is a set of handles with access control without any cards or keys, simple and effective. Its suitable for any kind of interior door, in residential or institutional environments where comfortable and ease of use its a priority. Code handle is the solution for most of the restricted areas: offices, warehouses, private areas, wardrobe, etc.

Attractive design and easy to install
As the keyboard is integrated in the handle is a more attractive option than the wall readers. Also is very easy to install: without cables, without special drills... you can install it as any other handle.

Technical features:
» In doors: patented stand alone access control with code for internal door. A complete set is supplied including handles, rosettes, spindle, fixing through bolts and instructions. For 35 - 80 mm door thickness.
» In windows, the handle is supplied with fixing screws and instructions.
» Fits lock cases DIN standard. 8 mm spindle.
» One master code and up to nine different user codes.
» Auto locking function available.
» Two CR2, 3V lithium batteries in the outer handle.
» Visual and acoustic feedback.
» Easy to fit, no cables.
» Available for right- and left hand doors.
» Only for indoor use.
» Material: brushed stainless steel and satin chrome zink.

Normative
CE according to EN 61000-6-1, EN 61000-6-3, EN 61000-4-2, EN 61000-4-3, EN61000-4-8
Fire certificate EN 1634

Function:
» Four buttons to press a four- to six digit code to unlock and one button to lock.
» Green light flashes and a sound is heard when the buttons are pressed for unlocking.
» Red light flashes and a sound is heard when locking.
» Master code and user code is programmed at installation. Can be changed unlimitedly.
» If wrong code is pressed five times the handle is blocked for three minutes.
» Free swing from the outside when locked, always possible to open with the handle from the inside.
» The two batteries gives approximately 2 years.
» Red light indicates low battery when approximately 500 operations left

Hand definition for Codehandle

| Left hand | Right hand | Left hand | Right hand |
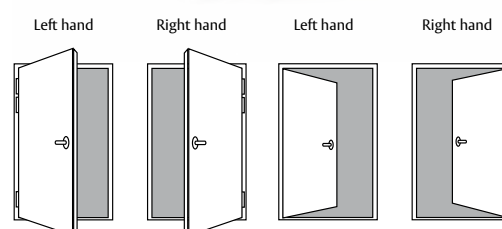
Stand alone access control
Pin code

Rose handle

Handle for door	Product code	Finish	Hand	Compatible locks
	MCHDR800CM	CM	Right	
	MCHIR800CM	CM	Left	
	MCHSDR800CM	CM	Right	134
	MCHSIR800CM	CM	Left	134 PLUS
				2030
				2035
				2UB0F

Rose handle 45º

Handle for door	Product code	Finish	Hand	Compatible locks
	MCHDR45800CM	CM	Right	
	MCHIR45800CM	CM	Left	
				2030
				2035
				2UB0F
				2010
				2015
				130

Long plate

Handle for door	Product code	Finish	Hand	Compatible locks
	MCHDL800CM	CM	Right	134
	MCHDL872CM	CM	Right	134 PLUS
	MCHDL885CM	CM	Right	2004U
	MCHIL800CM	CM	Left	2030
	MCHIL872CM	CM	Left	2035
	MCHIL885CM	CM	Left	2UB0F
	MCHSDL800CM	CM	Right	2010
				2015
				130

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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 and low consumption electromechanical locks.

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