



Europe's #1
for fingerprint access solutions

Finger Scanner Portfolio

ekey home | ekey multi



All products manufactured
according to EN ISO 9001:2008

Your finger is the key



Portfolio

Overview on **designs** and **systems**

finger scanner
outlet-mounted



finger scanner
wall-mounted



finger scanner
integra

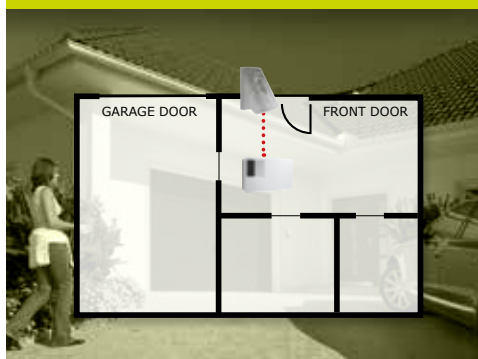


finger scanner
door entry systems



Systems ekey home/ekey multi/ekey net support all ekey **finger scanners in any design** and all **electromechanical locking systems!**

ekey home

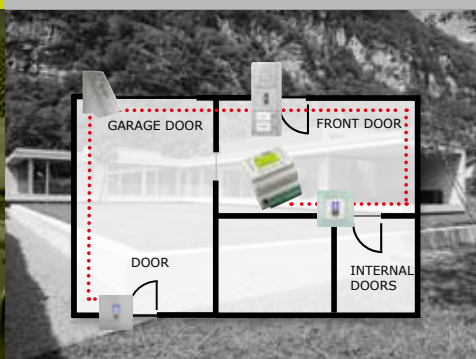


Stand-alone solution

1 finger scanner connected to 1 control panel

- 99 fingers can be stored
- Control panels with 1, 2 or 3 relay outputs
- Simple installation and operation via the control panel
- Deleting users one by one
- No PC required

ekey multi

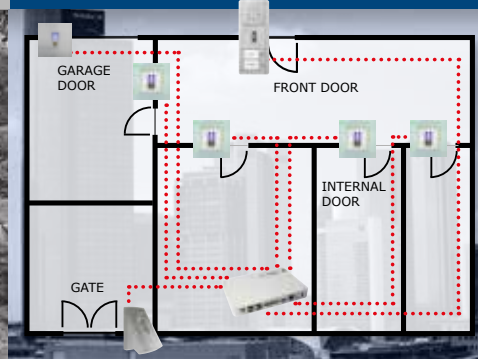


Extended stand-alone solution

1 to 4 finger scanners connected to 1 control panel

- 99 fingers can be stored
- 4 relay outputs
- Simple installation and operation via the control panel
- 3 time zones (always, time zone A and time zone B)
- Access log
- Special operation modes (for holidays and for full access)
- Backup function
- Configurable inputs (e.g. for exit buttons)
- Entering user names
- Deactivating or deleting users one by one
- Fingerprints are assigned to relay outputs via master key plan
- Automatic distribution of finger templates to all finger scanners
- No PC required

ekey net



Networkable solution

The IP based biometric access control system for larger projects

- Up to 2000 fingers per scanner
- 1 to 4 relay outputs per access point
- Up to 80 finger scanners within one installation
- Up to 10 sites
- Configurable time zones
- Access log

and much more

Do you want to find out more about the countless possibilities of **ekey net**? Please contact us for further details!

Planning Steps

for competent advice

1

Select suitable ekey system (project size):

- a) ekey home (1 finger scanner, 1 control panel)
- b) ekey multi (up to 4 finger scanners, 1 control panel)

2



Select most suitable finger scanner:

- a) wall-mounted
- b) integra including wall-mounting kit for installation into wall, or for integration into door leafs or door frames
- c) outlet-mounted for integration into gang boxes or door entry systems

3



Only applicable for ekey home:

Select suitable control panel (amount of relay outputs, design)

- a) wall-mounted or DIN-rail mounted for installation in the electrical cabinet (distribution board)
- b) required amount of relay outputs, e.g. to open the front door (relay 1), arm/disarm the intrusion alarm system (relay 2), etc.

4



Select a power supply:

- a) standard power supply
- b) convenient DIN-rail mounted power supply for electrical switch cabinet
- c) outlet-mounted power supply

ATTENTION: When integrating into entry panels, a suitable power supply is often already available.

ATTENTION: Check required voltage and amperage of door strike, motor lock, etc. A suitable power supply is also often supplied along with motor locks.

5



Add suitable accessories

6

Regarding door strikes and motor locks, please note:

- a) A door strike is low cost, but the door is not deadlocked.
- b) A motor lock deadlocks the door automatically (via spring clips or a motor) and unlocks the door electrically (motorized). Advise your customer to purchase a motor lock along with the new door!

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ekey home

stand-alone solution:
1 finger scanner, 1 control panel
up to 99 fingers

Project: „Single family home“



The front door and the garage door are to be controlled via finger scanner.

The customer´s requirements:

- **Keyless access** for all family members.
- **Front door and garage door** are to be controlled via **one** finger scanner mounted at the front door.

The solution from the installer:

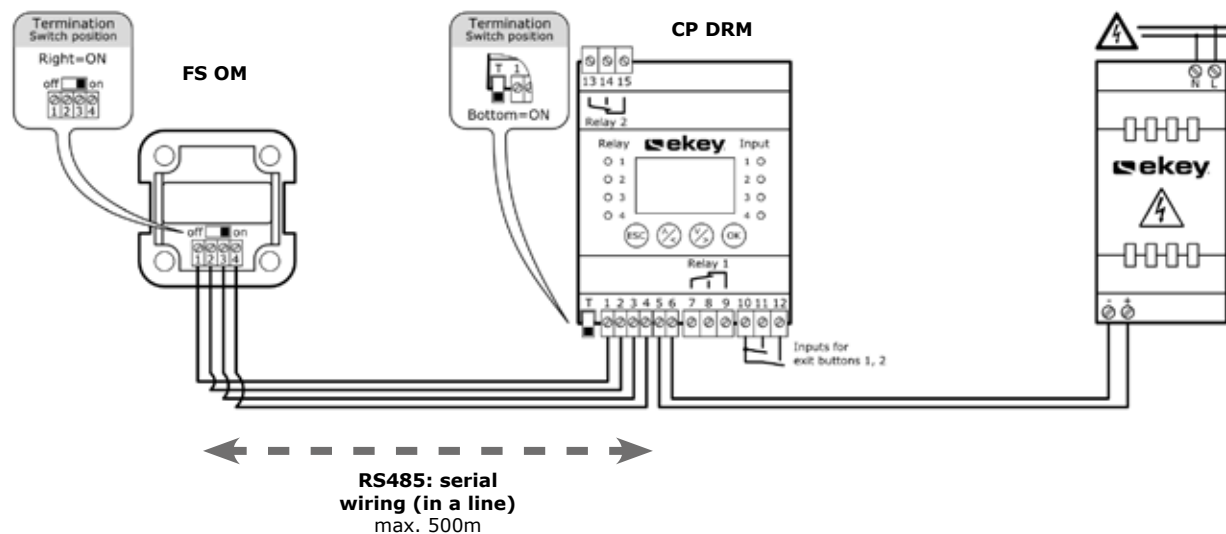
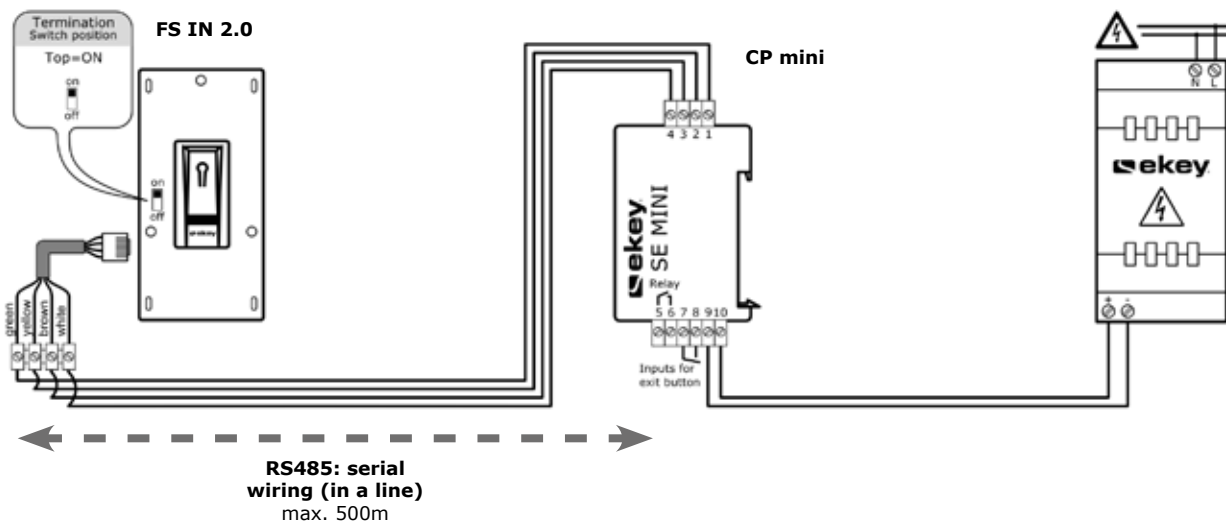
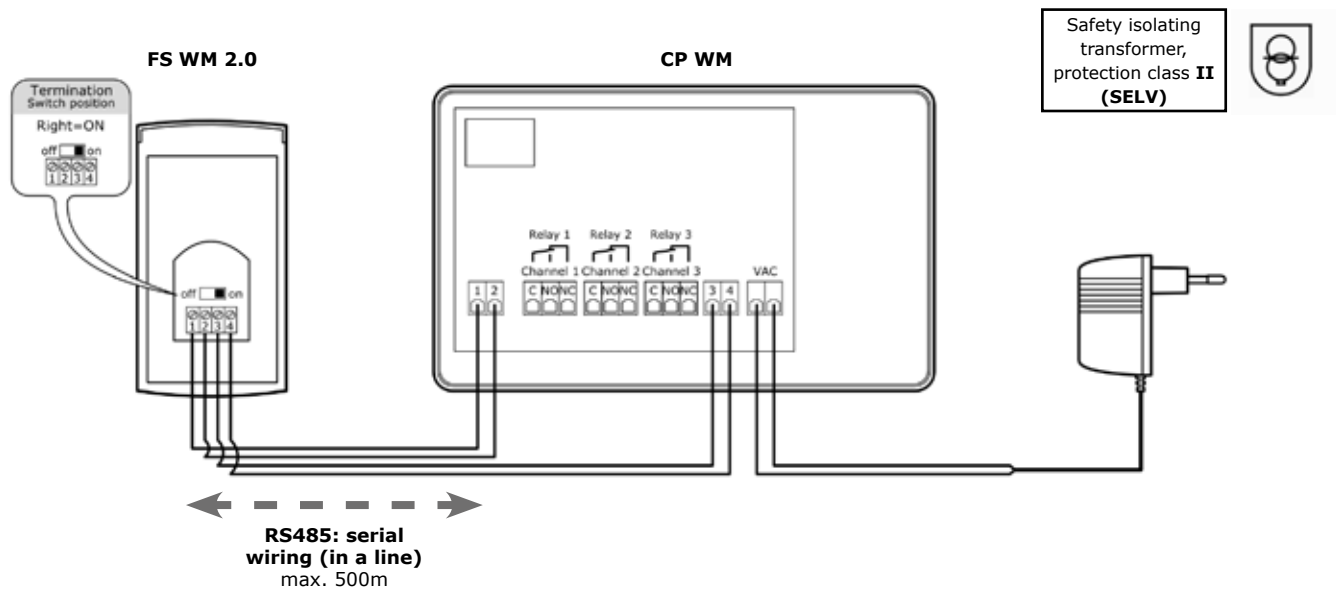
- **Simple installation** of the **ekey home** finger scanner and the **ekey home CP DRM 2** control panel (equipped with 2 relay outputs)
- **Two different fingers are to be used.**
The index finger unlocks the front door via relay output 1.
The middle finger opens the garage door via relay output 2.
- **Simple programming** via the ekey home control panel (Part No. 101 312).

	wall-mounted	DIN-rail mounted
Available ekey home control panels		
1 Relay	100 478	101 162
2 Relays	-	101 312
3 Relays	100 479	-
Inputs	NO	YES
Display	7-segment (88)	LCD
Power supply	9-12 VAC/DC	8-24 VAC 8-30 VDC

ekey home finger scanners

ekey home control panels

Power supplies

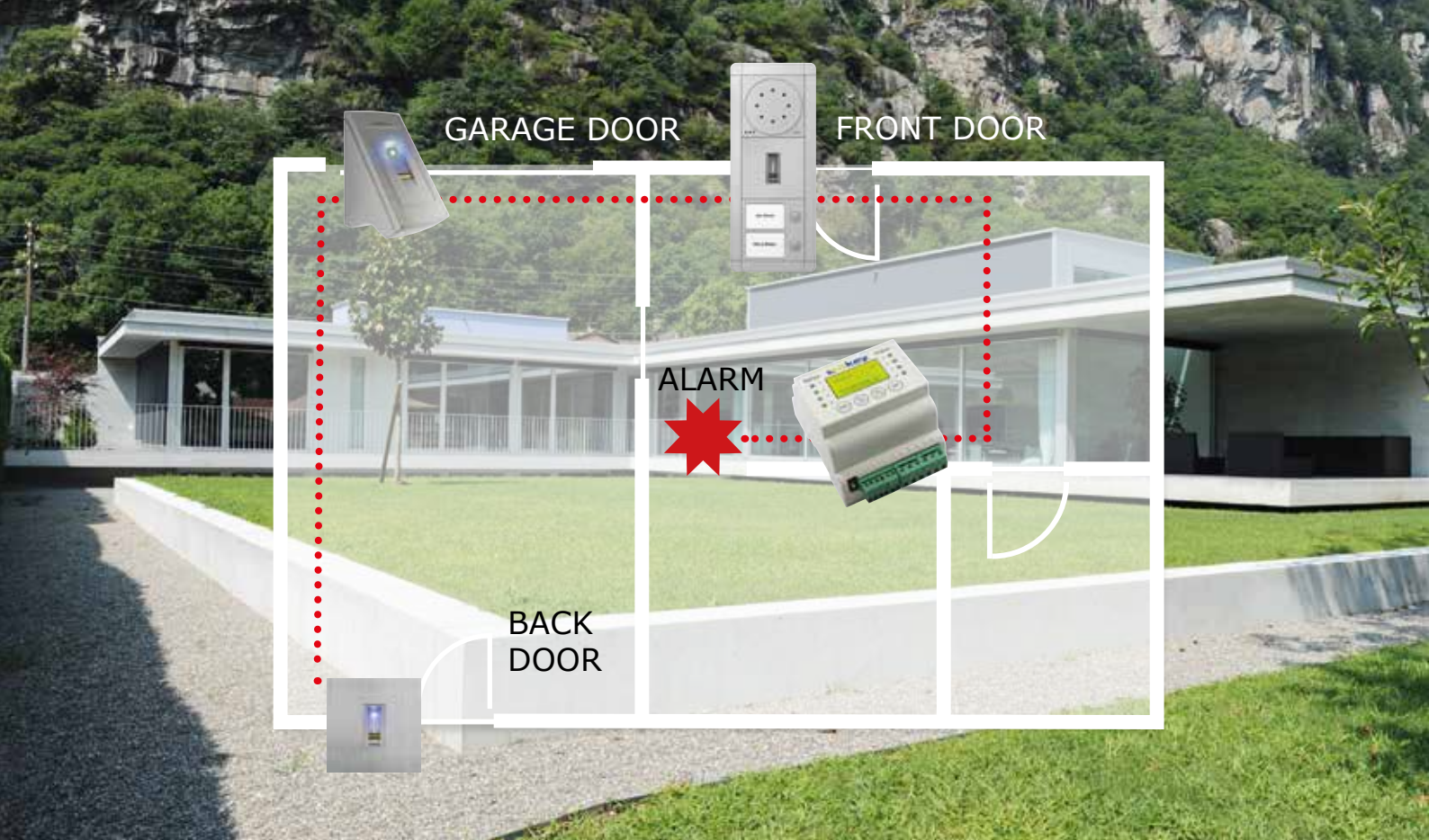


Cable recommendation

J-Y(ST)Y 4 x 2 x 0.8

Wire assignment:

2x RS485 bus; 2x RS485 back-up wires
2x power supply; 2x back-up wires for increased cross section when cable length is above 50m



ekey multi

extended stand-alone solution:

Up to 4 finger scanners. Only 1 control panel.
up to 99 fingers

Project: „Villa with domestic staff“

Conventional keys should be replaced for the front door, the garage door, the back door and the alarm system.

Specific access rights are to be configured. During weekdays, domestic staff is present in the house.

The customer's requirements:

All three entries to the house and the intrusion alarm system are to be controlled via finger scanners.

The intrusion alarm shall be disarmed (when opening the door) through the finger scanner at the front door or back door.

The son, Marc, is not allowed to enter the garage and the domestic staff is only granted access on weekdays during certain hours.

Detailed instructions under:
www.ekey.net/ekey-multi

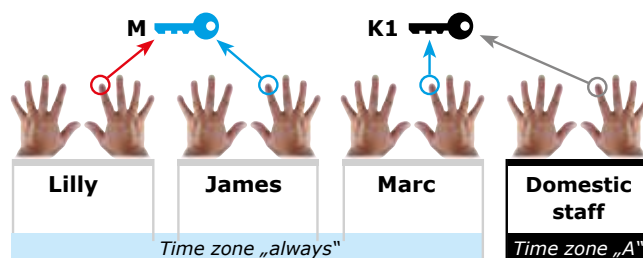
The solution from the installer:

Two virtual keys will have to be configured.

1. Master key M for Lilly and James: It unlocks the front door, the garage door, the back door and the alarm system.

2. Key K1 for all the others: It unlocks everything except the garage door and is therefore the key for Marc. In combination with a time window, K1 is also the key for the domestic staff.

Master Key Plan	Relay 1 Front Door	Relay 2 Garage Door	Relay 3 Back Door	Relay 4 Alarm
Scanner Front Door	M1			M1
Scanner Garage Door		M		
Scanner Back Door			M1	M1

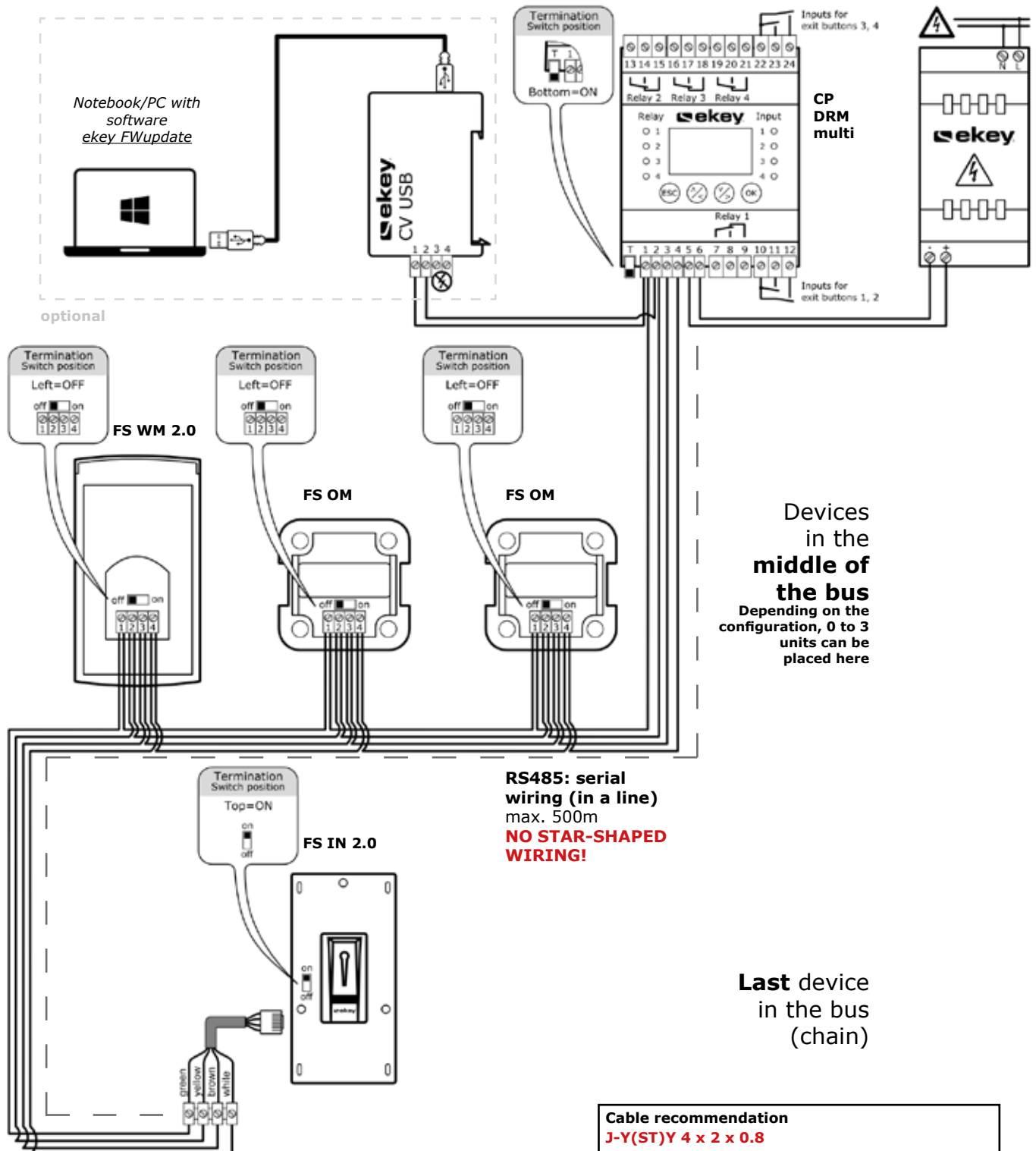




On the first and the last device in the RS485 bus, the termination switch has to be set on „ON“.

Up to 4 ekey home finger scanners connected to 1 ekey multi control panel

First device
in the bus
(chain)



Cable recommendation

J-Y(ST)Y 4 x 2 x 0.8

Wire assignment:

2x RS485 bus; 2x RS485 back-up wires
2x power supply; 2x back-up wires for increased cross section when cable length is above 50m



bticino



Comelit



ELCOM.



EDVEX



FERMAX



KO(H)



RITTO



SIEDLE



GIRA

Finger Scanners for door entry systems

Turn your existing or new door entry system into a biometrically controlled one




I = INTEGRATION

for installation into door entry panels, mailboxes, etc.



Compatible with system > **ekey home** **ekey multi**

1 Finger scanner OM I


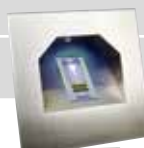

Part No.	Description	Model
101 310	ekey home FS OM I	for installation e.g. into door entry panels
	FAR: 1:10.000.000 FRR: 1:100 Dimensions W/H/D: 50.4 x 50.4 x 30.1 mm Power consumption: approx. 1 W Supply voltage: 8-24 VAC, 8-30 VDC Temperature range: -25° C up to 70° C	IP rating: up to IP64 (depending on integration) Recommended installation height: 155/110 cm* Display: 3 multi-colour LEDs Functions: 99 fingers storable, tamper-proof, data not lost in case of power failure, bus termination configurable on the device

2 Mounting brackets for selected door entry systems (to be used with part no. 101 310)

	Part No.	Description
	101 380	ekey bracket GIRA TX44 AL (aluminium colored)
	101 381	ekey bracket GIRA TX44 AN (anthracite)
	101 382	ekey bracket GIRA TX44 PW (pure white)
	101 376	ekey bracket SIEDLE Vario DG (dark grey)
	101 377	ekey bracket SIEDLE Vario AN (anthracite)
	101 378	ekey bracket SIEDLE Vario WH (white)
	101 379	ekey bracket SIEDLE Vario SM (silver metallic)
	101 552	ekey bracket Elvox 8000 Serie GR (grey)
	101 533	ekey bracket bticino Sfera AME (Allmetal)
	101 534	ekey bracket bticino Sfera AWH (Allwhite)
	101 535	ekey bracket bticino Sfera AST (Allstreet)
	101 536	ekey bracket bticino Sfera ROB (Robur)
	101 410	ekey bracket URMET Sinthesi AL (aluminium)
	101 473	ekey bracket Comelit ikall BL (black, finger scanner ekey home OM already built-in!)
	101 474	ekey bracket Comelit ikall WH (white, finger scanner ekey home OM already built-in!)


Intercom producers featuring ekey fingers scanner ex factory: **Behnke, ELCOM, LEPPIG-SYSTEMS, RITTO, Siblik, STR, TCS**

2 Accessories for OM I optionally

Frame for outdoor use (to be used in combination with FS OM I)		
	101 372	ekey frame OM ST brushed stainless steel Dimensions W/H/D: 72 x 72 x 6,6 mm Functions: Frame for outdoor use in unprotected area (IP64 rating)* Not suitable for hollow-space mounting!
Stainless steel gang box (to be used in combination with FS OM I)		
	100 304	ekey in-wall mounting frame OM ST brushed stainless steel
	101 511	ekey in-wall mounting frame OM ST LED brushed stainless steel incl. 3 alarm LEDs Dimensions W/H/D: In-wall mount. frame: 88 x 88 x 42 mm In-wall socket: 73 x 73 x 57 mm Function: for in-wall mounting in protected outdoor area. Recommended mount. height: 135 cm. Delivery scope: In-wall frame and socket in PVC (see pic.) Attention: The standardized in-wall socket is not suitable. A compliant socket (green) is included in the delivery scope.

*Attention: FS OM at installation height 110 cm/turned 90° only in case of emergency due to difficulties with proper operation!

*IP64 protection on exterior plasters with max. 2mm masonry graining around the electrical outlet

 **BUSCH-JAEGER**

 **hager**

merten
by **Schneider Electric**



GIRA

 **legrand**

JUNG



B.
Berker

...and many more



Finger scanners for light switches

Install a finger scanner into electric gang boxes and use the design frames of well-known manufacturers.

**E = ELECTRICAL GANG BOX**

to be purchased from producers of light switches



Parts in red colour: to be purchased from producers of light switches

ekey finger scanner OM E

Part number **101 148 FS OM E** is supplied along with small parts as displayed, however, without the switch frame and gangbox!

The ekey finger scanner OM E is compatible with any adapter frame in dimensions of **50x50 mm** inside.

Compatible with system > **ekey home** **ekey multi**

1 Finger scanner outlet-mounted OM E

Part No.	Description	Model
101 148	ekey home FS OM E	for installation into gang boxes, incl. white bezel
	FAR: 1:10.000.000 FRR: 1:100 Dimensions W/H/D: 50.4 x 50.4 x 30.1 mm Power consumption: approx. 1 W Supply voltage: 8-24 VAC, 8-30 VDC Temperature range: -25° C up to 70° C	IP rating: IP31/IP43/IP64** (depending on switch frame used) Recommended installation height: 155/110 cm* Display: 3 multi-colour LEDs Functions: 99 fingers storable, tamper-proof, data not lost in case of power failure, bus termination configurable on the device, compliant with many switch ranges with inner dimensions 50x50 mm.

Compatible with system > **ekey home** **ekey multi**

2 Accessories OM E

optionally

**Bezel for outlet-mounted finger scanner**

101 167	ekey bezel OM AL 50 x 50	plastic, aluminium
101 168	ekey bezel OM AN 50 x 50	plastic, anthracite

Compatible with system > **ekey home** **ekey multi**

1 Finger scanner integra IN 2.0

101 326	ekey home FS IN E	incl. design element and cable
	FAR: 1:10.000.000 FRR: 1:100 Dimensions W/H/D: Housing 43.6 x 89 x 17.3 mm Power consumption: approx. 1 W Supply voltage: 8-24 VAC, 8-30 VDC	Temperature range: -25° C up to 70° C IP rating: IP54 Recommended installation height: 155 cm! Display: 3 multi-colour LEDs Functions: 99 fingers storable, tamper-proof, data not lost in case of power failure, bus termination configurable on device

Compatible with system > **ekey home** **ekey multi**

2 Accessories IN 2.0


optionally

**In-wall mounting kits for finger scanner**

101 302	ekey in-wall set IN ST	stainless steel
101 301	ekey in-wall set IN ST LED	stainless steel incl. alarm LED
	Flush-mounted box W/H/D: Housing 60 x 122 x 36 mm	Faceplate W/H/D: 96 x 142 x 2 mm
101 147	ekey in-wall mounting kit IN ST incl. weather shield	stainless steel
	Flush-mounted box W/H/D: Housing 60 x 122 x 36 mm	Faceplate W/H/D: 126 x 142 x 65 mm
101 300	ekey mounting set IN compact for flush-mounted installation	0,5 mm metal sheet
	Flush-mounted housing W/H/D: Housing 42 x 87 x 25 mm	
101 383	ekey faceplate IN ST for item 101 300 (optional)	stainless steel
	Dimensions W/H/D: 96 x 142 x 2 mm	



* 155 cm recommended/110 cm if scanner installed horizontally (turned by 90°)
IMPORTANT: ensure a good operability of the scanner, otherwise the recognition will be compromised.
** IP64 when using ekey frame OM ST (101 372)

1 Finger scanner wall-mounted WM 2.0

Part No.	Description	Model
101 405	ekey home FS WM 2.0	silver-metallic
	FAR: 1:10.000.000 FRR: 1:100 Dimensions W/H/D: 45 x 81,6 x 60,3 mm Power consumption ca. 1 W Supply voltage: 8-24 VAC, 8-30 VDC	Temperature range: -25° C up to +70° C IP rating: IP44 Recommended installation height: 135 cm Display: 3 multicolor LEDs Functions: 99 fingers storable, tamper-proof, data not lost in case of power failure, bus termination configurable on device



2 Accessories WM 2.0

optionally

	Weather shield for wall-mounted scanner	
101 406	ekey weather shield WM 2.0 ED	Brushed stainless steel
	Dimensions W/H/D: 110 x 170 x 95 mm	Recommended installation height: 130 cm (lower ledge)
	Stainless steel adapter for wall-mounted scanner	
	101 418 ekey cover WM 2.0 ST for installation at 110 cm (lower edge)	Brushed stainless steel
	Dimensions W/H/D: 89 x 87 x 103 mm	

Control panels

3 Control panels[ekey home](#)

Part No.	Description	Model
ekey home wall-mounted control panel		
100 478	ekey home CP WM 1	1 relay
100 479	ekey home CP WM 3	3 relays
	Dimensions W/H/D: 180 x 110 x 39.2 mm Power consumption: approx. 1 W Supply voltage: 9-12 VAC/DC Temperature range: -20° C up to 70° C IP rating: IP20 Relays: CP 1: 1 output, dry contact CP 3: 3 outputs, dry contacts	Max. relay input voltage, input current: 250 VAC/5A; 30 VDC/5A Inputs (exit button): - Display: LED 2x7 segments Programming: 4 push buttons RS485 termination: not configurable Functions: Enroll users, delete users, change relay opening times (0-99s), adjustable security code, reset
ekey home DIN-rail mounted control panel		
101 162	ekey home CP DRM 1	1 relay
101 312	ekey home CP DRM 2	2 relays
	Dimensions W/H/D: 70 (4HP) x 86 x 54 mm Power consumption: approx. 1 W Supply voltage: 8-24 VAC/DC Temperature range: -20° C up to 70° C IP rating: IP20 Relays: CP DRM 1: 1 output, dry contact CP DRM 2: 2 outputs, dry contacts	Max. relay input voltage, input current: 42 VAC/DC; 2A Inputs (exit button): CP DRM 1: 1 contact CP DRM 2: 2 contacts Display: LCD 106 x 56 pixels, 7 lines/21 characters + 2/4 status-LEDs RS485 termination: configurable Functions: Enroll users, delete users, name entries, change relay times (0-99s), adjustable security code, reset, test mode

ekey multi: up to 4 finger scanners


Compatible with system >

ekey multi

3 Control panel

ekey multi






ekey multi control panel DIN-rail mounted

	101 163	ekey multi CP DRM 4	4 relays
		Dimensions W/H/D: 70 (4HP) x 86 x 54 mm Power consumption: approx. 1 W Supply voltage: 8-24 VAC/DC Temperature range: -20° C up to 70° C IP rating: IP20 Relays: 4 outputs, dry contacts Max. relay voltage, power input: 42 VAC/DC; 2 A	Inputs (exit button): 4 contacts Display: LCD 106 x 56 pixels, 7 lines/ 21 characters + 8 status LEDs RS485 termination: configurable Runtime buffer integrated RTC: 96h Functions: Enroll users, delete users, change relay opening times (0-99s), adjustable security code, reset, test mode, 3 time zones, access log, master key plan, name entries, holiday and full access program, configurable input 1, rejection relay, optional PC-connectivity (requires CV USB 100 433)

multi

4 Power supply

Power supply

	800 060	ekey WPS ST 230AC/9VAC/0.8A	Power adapter
		Dimensions W/H/D: 52 x 64 x 42.5mm Supply voltage: 230 VAC	Output voltage, output current: 9 VAC, 800 mA Cable length: 5 m
	100 204	ekey PS OM 230AC/12VDC/1.5A	Power supply outlet mounted
		Dimensions W/H: 54 x 31 mm Supply voltage: 230 VAC	Output voltage, output current: 12 VDC, 1.5 A Temperature range: -5°C up to 50°C
	100 203	ekey PS DRM 230AC/12VAC/1.5A	DIN-rail mounted
		Dimensions W/H/D: 3HP, 52.5 x 93 x 68.5 mm Supply voltage: 230 VAC	Output voltage, output current: 12 VAC; 1.5 A Temperature range: -20°C up to 50°C
	100 205	ekey PS DRM 230AC/12VDC/2A	DIN-rail mounted
		Dimensions W/H/D: 4HP, 70 x 93 x 68.5 mm Supply voltage: 230 VAC	Output voltage, output current: 12 VDC; 2 A Temperature range: -10°C up to 50°C
	100 891	ekey PS DRM 230 VAC/24 VDC/2 A	DIN rail-mounted, 24VDC suitable for motor locks
		Dimensions W/H/D: 4TE, 70 x 93 x 68,5 mm Supply voltage: 230 VAC	Output voltage, output current: 24 VDC; 2 A Temperature range: -5°C up to 50°C


Compatible with system >

ekey home

ekey multi

4 Uninterruptible power supply

UPS

	101 559	ekey UPS DRM 230V/12VDC/4Ah	UPS DIN rail mounted; 8HP + 9HP
		Dimensions W/H/D: UPS: 140 x 93 x 66,5 mm (8 HP) Battery: 157 x 93 x 66,5 mm (9 HP) Supply voltage: 100-240 VAC 2 Parts: UPS (switching power supply) and battery	Output voltage, output current: 12 VAC; 2 A Temperature range: -10°C up to 40°C Function display: LED Advantage: Replaces power supply; up to 20 hours battery backup.

Compatible with system >

ekey home


ekey multi

Miscellaneous accessories

Part No. Description

Model

ekey Converter USB

	100 433	ekey Converter USB	black
		Functions: <ul style="list-style-type: none"> for ekey multi to create data backup on PC, to restore database and to download log file for configuration of CV Wiegand 101 582 	Delivery scope: USB-converter incl. software and USB-cable

Service kit for ekey partners available on request (part number 101 255)



Your intelligent home with internet connection: The ekey converter UDP is the bridge



The intelligent home

Via a simple finger swipe, your house will recognize who is at home



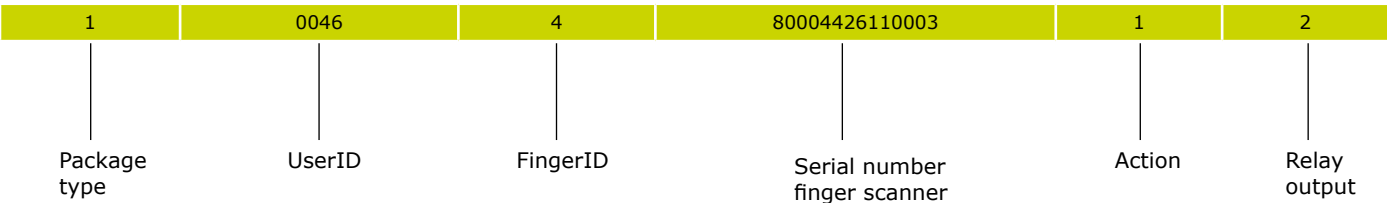
Compatible with system > **ekey home** **ekey multi**

Available interfaces optionally

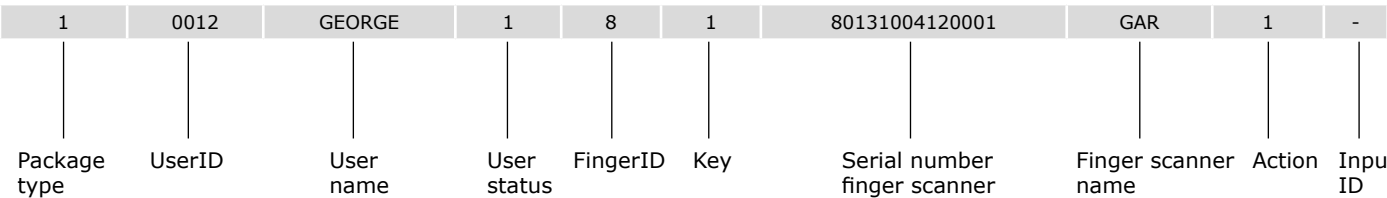
Converter for integration with home automation systems

100 460	ekey Converter UDP (CV UDP)	black
Functions: RS485/LAN interface for integration into 3rd party systems (e.g. KNX) via UDP protocol		Data fields: UserID, FingerID, serial number finger scanner, etc.

Protocol „home“ example



Protocol „multi“ example





Access Control systems Intrusion Alarm systems

Finger scanners integrated into other access control or intrusion alarm systems.

Keys, codes and cards can be lost, forgotten or stolen – only your finger is always at hand

Compatible with system > **ekey home** **ekey multi**

Available interfaces optionally

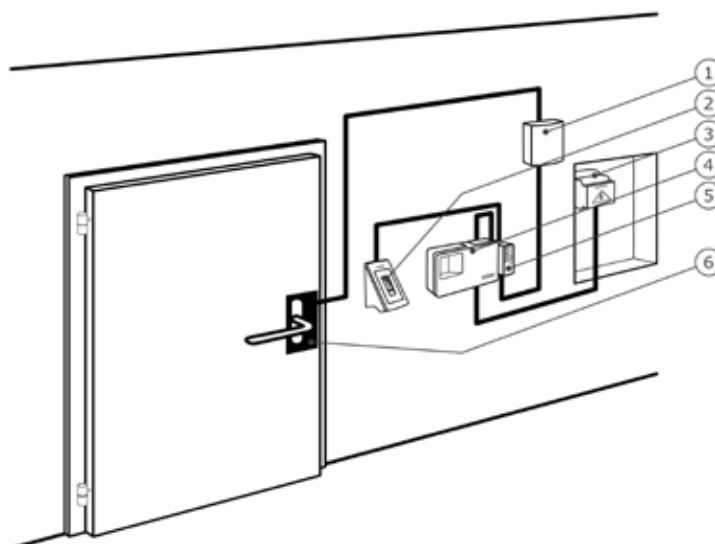
Converter for integration with alarm systems or access control systems

101 582 **ekey home CV WIEGAND RS485 (CV WIEG home)**



Functions: The Wiegand converter converts the internal ekey RS485 protocol into a 26 bit WIEGAND protocol (is adjustable via CV USB 101 433)

Delivery scope:
WIEGAND converter, software






- ① 3rd party systems
- ② finger scanner
- ③ power supply
- ④ control panel
- ⑤ converter Wiegand
- ⑥ electro-mechanical locking system

Complete ekey home product sets



Compatible with system > **ekey home**

COMPLETE PRODUCT SET Finger scanner wall-mounted

	Part No.	Description	Model
	101 409	ekey home set WM 2.0 DRM 1	with DIN-rail mounted control panel, 1 relay output
		COMPLETE PRODUCT SET consists of: <ul style="list-style-type: none"> • wall-mounted finger scanner (silver-metallic 101 405) 	<ul style="list-style-type: none"> • ekey home CP DRM 1 control panel (101 162) • ekey PS DRM 230 AC/12 VAC/1.5 A DIN-rail mounted power supply (100 203)
	101 407	ekey home set WM 2.0 WM 1	silver-metallic, with WM control panel, 1 relay output
	101 408	ekey home set WM 2.0 WM 3	silver-metallic, with WM control panel, 3 relay outputs
		COMPLETE PRODUCT SET consists of: <ul style="list-style-type: none"> • wall-mounted finger scanner (silver-metallic 101 405) 	<ul style="list-style-type: none"> • wall-mounted control panel 1 (100 478), or wall-mounted control panel 3 (100 479) • power supply ekey PS WPS 230 AC/9 VAC/0.8 A (800 060)




Compatible with system > **ekey home**

COMPLETE PRODUCT SET Finger scanner outlet-mounted

	101 165	ekey home set OM E DRM 1	with DIN-rail mounted control panel, 1 relay output
		COMPLETE PRODUCT SET consists of: <ul style="list-style-type: none"> • ekey home FS OM finger scanner (101 148) • bezel in white colour • mounting bracket for installation with switch frame with inner dimensions 50 x 50 mm 	<ul style="list-style-type: none"> • spacers for adjusting the height between bezel and switch frame • ekey home CP DRM 1 control panel (101 162) • ekey PS DRM 230 AC/12 VAC/1.5 A DIN-rail mounted power supply (100 203)

Compatible with system > **ekey home**

COMPLETE PRODUCT SET Finger scanner integra

	Part No.	101 287	101 313	
	Description	ekey home set IN E WM 1	ekey home set IN E DRM 1	
	Model	with wall-mounted control panel, 1 relay output	with DIN-rail mounted panel, 1 relay output	
		ekey home set IN E WM 1: <ul style="list-style-type: none"> • ekey home FS IN finger scanner integra (101 326) • stainless steel design element • cable type A 24 cm • ekey home CP WM 1 control panel • ekey PS WPS 230 AC/9 VAC/0.8 A power supply 	ekey home set IN E DRM 1: <ul style="list-style-type: none"> • ekey home FS IN finger scanner integra (101 326) • stainless steel design element • cable type A 24 cm • ekey home CP DRM 1 control panel • ekey PS DRM 230 AC/12 VAC/1.5 A DIN rail-mounted power supply 	
Fig.: Part No. 101 287				Fig.: Part No. 101 313

COMPLETE PRODUCT SET Finger scanner integra 2.0 bluetooth

Part No. Description

101 583 ekey home Set IN 2.0 BT mini 1

Model

with control panel mini
1 relay**COMPLETE PRODUCT SET consists of:**

- Finger scanner ekey home FS IN 2.0 BT (101 483)
- Design element stainless steel (101 254)

Functions:

99 fingers administrable via App (Android/iOS will follow), tamper-proof, data not lost in case of power failure, open the door also with the app, change relay times etc.

- Cable 24 cm (101 296)
- Control panel ekey home mini
- DIN-rail mounted power supply ekey PS DRM 230 AC/12 VAC/1,5 A (100 203)

**APP****COMPLETE PRODUCT SET keypad**

101 584 ekey home Set keypad mini 1

with control panel mini
1 relay**COMPLETE PRODUCT SET consists of:**

- ekey home IN 2.0 keypad (101 485)
- surface in glass anthracite (101 510)

Functions:

up to 99 4- to 8-digit codes can be programmed simultaneously, tamper-proof, data not lost in case of power failure, optical and acoustic feedback, stylish blue LED-backlight (configurable), etc.

- Cable 24 cm (101 296)
- Control panel ekey home mini
- DIN-rail mounted power supply ekey PS DRM 230 AC/12 VAC/1,5 A (100 203)

Sales-boosting demo units!

Test and experience the ekey technology

Legend:

WM:	wall-mounted
IN:	integra
OM:	outlet-mounted
FS:	finger scanner
CP:	control panel
DRM:	DIN-rail mounted

DEMO STANDS**Demo stand ekey multi**

- ekey home FS OM
- ekey multi CP DRM 4
- dummy FS WM 2.0
- digital picture frame for image slide show

WxHxD: 30 x 35 x 10 cm
Part No.: 101 173

DEMO CASES**Demo case with complete portfolio**

- ekey home FS OM
- ekey multi CP DRM
- ekey home CP IN
- dummy FS WM 2.0
- dummy FS IN 2.0
- dummy FSB door pull
- cable transfer

WxHxD: 46 x 16 x 33 cm
Part No.: 101 095

Compact demo stand ekey multi

- ekey home FS WM 2.0
- ekey multi CP DRM 4
- dummy FS IN 2.0

WxHxD: 22x18x10 cm
Part No.: 101 282

Demo case ekey multi

- ekey home FS OM
- ekey multi CP DRM 4
- case

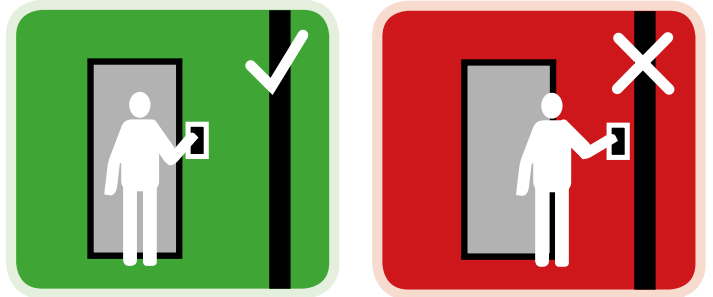
WxHxD: 46 x 16 x 33 cm
Part No.: 101 239

Tips and tricks

The use of ekey finger scanners is very easy. Should you experience any problems nevertheless, please check below written recommendations:

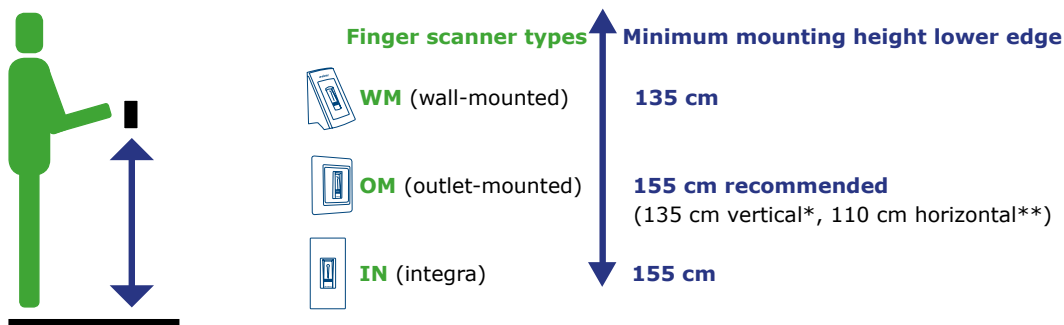
Tip 1: Position of the mounted finger scanner

- Make sure the finger scanner is freely accessible with the right and the left hand
- It is important to have enough moving space when standing in front of the scanner



Tip 2: Mounting height of the finger scanner

- The correct mounting height of the finger scanner is critical to facilitate a proper swiping technique
- If the finger scanner is installed too low, you might end up swiping only your fingertip across the sensor providing too little information to carry out a successful match
- Required mounting heights:

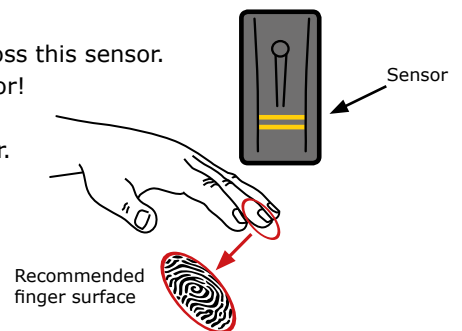


Tip 3: Mounting of the control panel

- The control panel switches the lock and is used for programming. Therefore, it has to be mounted in a protected indoor area, but must still be accessible for programming.

Tip 4: The sensor

- The swipe sensor is integrated into the finger swipe area.
- For proper recognition, your full first finger phalanx must be swiped all the way across this sensor.
- Avoid any mechanical stresses (e.g. scratches with metal objects, etc.) on the sensor!
- In case of dirt or water on the sensor, clean it sideward with a finger or a soft cloth. Do not use any aggressive cleaning agents or rough sponges for cleaning the sensor.

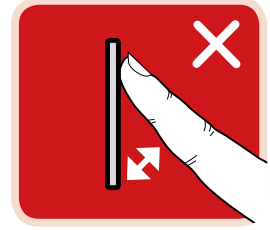
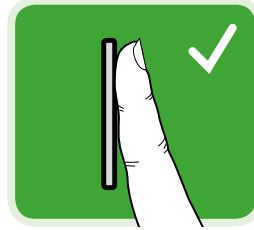
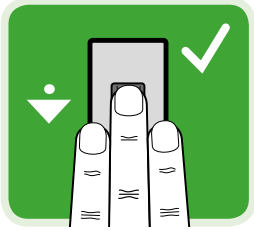


Tip 5: Finger selection

- The best fingers for swiping tend to be either **(1) middle, (2) index or (3) ring fingers**
- The thumb and the small finger shall not be used
- Use a finger without any injuries or abrasions. The clearer you can see the finger lines, the better the recognition of a finger will be.
- If a particular finger does not work properly, try to enroll another one
- Hard physical work may lead to abrasions on index, middle or ring fingers. As a right handed person, try using the small or ring finger of your left hand and vice versa.

Tip 6: Finger swiping

- Only if you swipe correctly over the sensor, the system will work properly!
- Place your first phalanx flat in the finger swipe area and start to swipe until you reach the end of the finger swipe area. Do not make any rotation movement away from the sensor. The phalanx must stay flat in the swiping area until reaching its end.
- Apply medium speed: not too fast, not too slow (about 1 second)
- Apply moderate pressure. Depending on the characteristics of your finger, the pressure has to be modified. Soft skin needs less pressure, dry skin more.



Tip 7: Saving fingerprints

- It is recommended to enroll one finger of each hand. This way you will always have a spare key in case of an injury.
Example (for CP IN or CP WM):
user slot 01, F3 for the middle finger of the left hand
user slot 01, F8 for the middle finger of the right hand
- It is recommended to compose a list of enrolled fingers
- Under certain circumstances individual users might find it hard to enroll their fingerprints (e.g. little children, elderly people, etc.). To improve performance it is recommended to enroll the same finger multiple times. There are 99 memory slots available (e.g. enroll your right index finger under the same user number from position F1 to F5, and the second finger from position F6 to F0).
- Fingerprints of little children can usually be enrolled from school age. Enrolling the same finger multiple times as described above might help to enroll even younger children.

N°	Name	Fingers										Date
		F1	F2	F3	F4	F5	F6	F7	F8	F9	F0	
01	Dad	F3	F3	F3					F8	F8	F8	17.9.12
02	Mom	F7	F7	F7					F8	F8	F8	17.9.12
03	Sue	F3	F3	F3					F7	F7	F7	17.9.12
04	Peter	F4	F4	F4								

Tip 8: Moist or wet fingers (after sport, rain or exertion)

- Since water works as an insulator, the sensor will not be able to capture any data
- Dry your finger (e.g. rub on clothing)

Tip 9: Main LED is blinking red/green

- There is either water or dirt on the sensor
- Clean the sensor sideward with your finger or a soft cloth

Tip 10: Dry fingers (after gardening or construction work, or due to low temperature)

- Such fingers may have different characteristics and might therefore be harder to recognize
- Re-lubricate your finger by swiping it across your forehead. Also, change the pressure of your finger when

If you still experience problems, **please contact your local vendor or the ekey support team:**
+43 732 890 500 1000 or support@ekey.net

Visit <http://youtube.com/user/ekeybiometricsystems> for promotional videos and tutorials on our products.

ekey – Europe's # 1 for fingerprint access solutions

Approximately 200.000 satisfied customers in more than 70 countries around the globe illustrate the comprehensive use of ekey products among private homes and corporations alike. The many advantages of fingerprint access control systems are simply convincing.

12 good reasons to choose ekey finger scanners

1. Peace of mind

Your front door is always locked

2. Unique comfort

No more bulky key chains, forgotten passwords or cards

3. Everyday convenience

Have your key always "at hand" – your finger opens the front door, the garage door, the garden gate, the office door, etc.

4. Utmost security

- You cannot lose or misplace your keys, or lock yourself out anymore
- Misuse of a key is impossible
- Cannot be manipulated or bypassed
- Each finger is unique

5. User-friendly

The user himself grants access rights to authorized persons (with or without PC). Suited for children from mandatory school age onwards.

6. Intelligent Software

learns with every use, recognizes the growth of children's fingers and changed user habits. Small cuts and injuries? That is absolutely no problem!

7. Easy mounting

Also for retrofitting

8. Affordable price

9. Full outdoor capability

From at least -25°C to +70°C

10. Compatibility

with any electric strikes, motorised locks, or electric multi-point locking systems

11. Wide field of application

Doors, gates, alarm systems, safes, (weapon) cabinets, vehicles, PC, etc.

12. Quality by the market leader

- Up to 10 million scans guaranteed
- around 200.000 satisfied customers
- 24-month manufacturer's guarantee
- Made in Austria

For
door industry



For
electrical industry



ekey – your finger is the key

Your reseller:

Austria & International

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