

Vario System
Access Control



1750
250 Jahre
2000

SSS SIEDLE

Door Communication

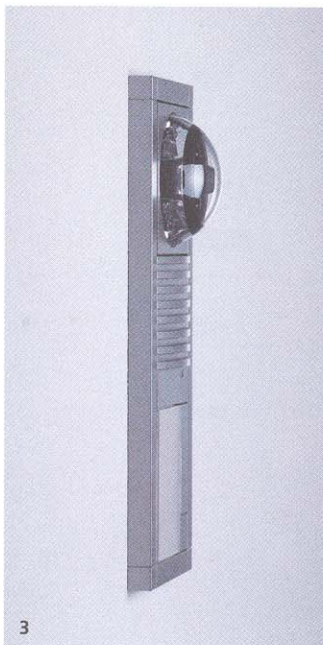
Vario: Not one to lay it on thick

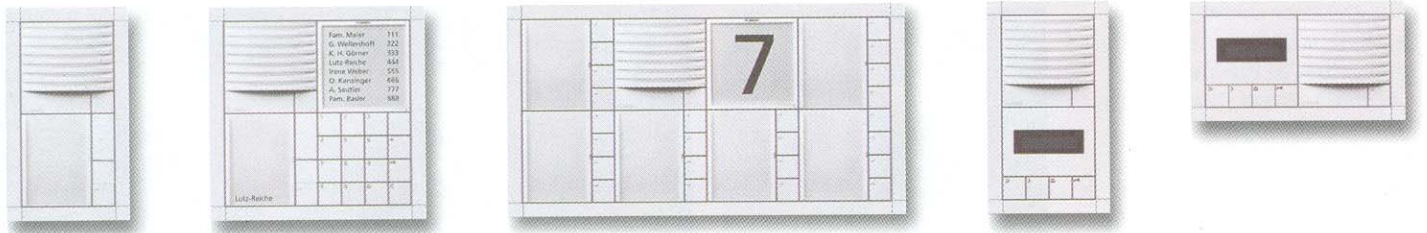
It is the door communication systems which best exemplify the virtues of the Vario modular system. The smallest unit is the entryway system - one call button with loudspeaker. But nowadays door communications usually have a number of other tasks to perform. Clear information needs to be provided in larger residential complexes. Home and work are moving closer together - security, control and image are all major themes. The video system turns the old intercom system into a visual unit. The list of requirements modern door communication solutions need to fulfil has grown longer and longer. Siedle's response is simple: The modular principle. With decades of experience, leading edge know-how and our guiding principle of designing aesthetically and ergonomically satisfying products, Siedle has created a modular system that opens the door for individual communications.



1, 2 Surface-mounted or flush? Hardly any difference to be seen, as with a projection of only 37 mm, no-one can accuse the Vario surface-mounted system of laying it on too thick. Not only does it look good and take efficient care of organizing all your door communication needs, it is also gratifyingly simple to mount. The Vario surface mounted system - the solution when it comes to renovation.

3, 4 Video door telephony: an exemplary solution for the detached family home. The flush-mounted version has a frame height of 15 mm.



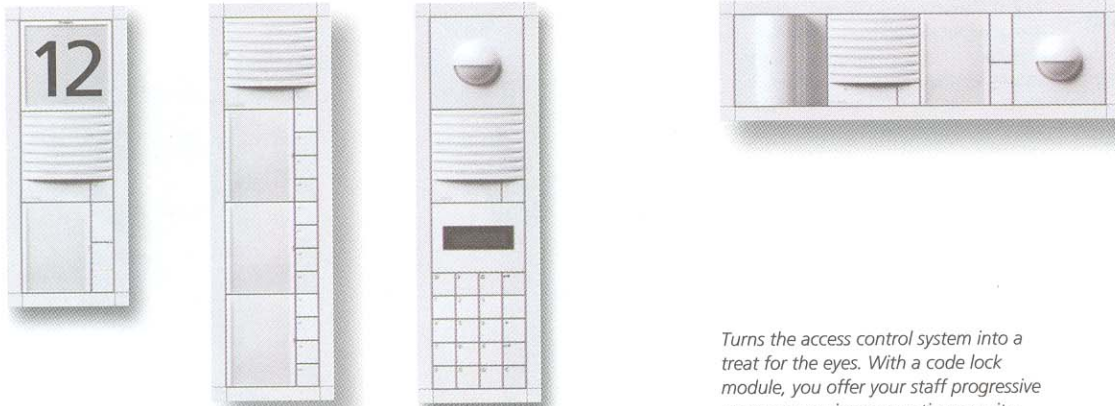


The door station with loudspeaker, nameplate, call and light button - the basic hardware for your own home. The info-module provides an even better overview.

In multiple residential units and flats, the required array of call button modules can be installed, supplemented with an info-module or code lock in a single call unit. And of course, in combination with the info-module as a name and call register.

Where less is more - that's where modern technology comes to the fore. Instead of a whole colony of call buttons and names, here you can combine the loudspeaker and the display module. Well worth it from as few as 30 residential units.

Just give it a try. The display itself is thrilling on its own. And it's good, too! All residents are alphabetically stored; the user first enters the first letter, and then the name and makes a connection using the call button.



Turns the access control system into a treat for the eyes. With a code lock module, you offer your staff progressive access convenience or active security systems. The Vario movement sensor not only has things in focus - it looks pretty good, too!

Door Communication

Setting a good example.



Convincing, surface-lighted info signs in the limelight twenty-four hours a day. And along with video camera, loudspeaker, code lock and call button modules, they form a harmonious and functional communication team.

17 functional modules fit together to meet your requirements. Just select modules for communication, information, lighting or showing the way according to the modular principle. Whether you decide in favour of classic basic functions or a luxury solution, depends on your own wishes and the type of building.

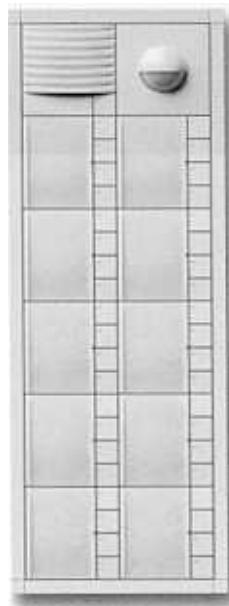
Your own home, a multiple-dwelling, apartment complex, mixed or purely commercial properties, hotels and residential homes – with Vario you can dimension your door communication to your needs.

The solutions shown here are only intended to give you a few ideas.

Open the **fold-out page** for support with your "system planning".



What about the keyhole? An inelegant but frequent solution is a square column with boxes by the side of the pathway. Often not at the right height. Not any more: our alternative is ergonomic, convenient and aesthetic.



You would like visitors to know who lives where, but maybe you find this example a little on the Spartan side? So how about the electronic key module? Forget your conventional latch key and let yourself in by simply holding up your electronic key or key card.



2 No more fiddly work when changing the name plate. All you need is a screwdriver or ballpoint pen. Coloured inscriptions, foil or silk screen original logos.



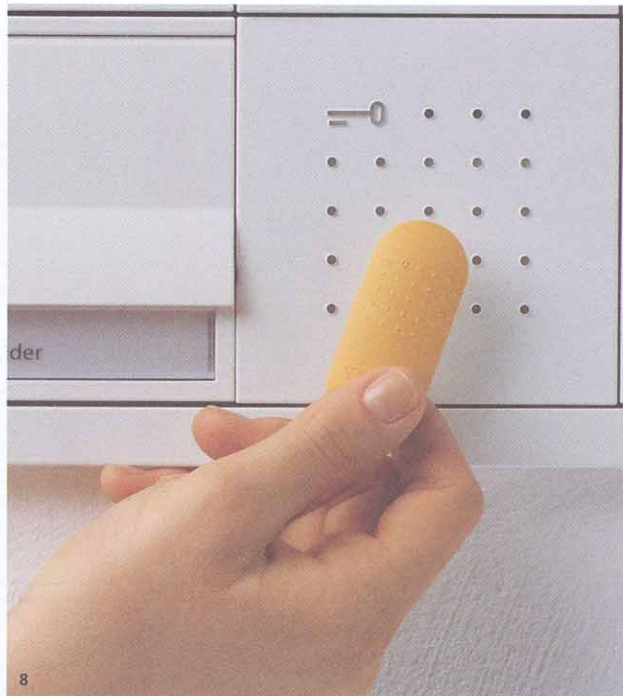
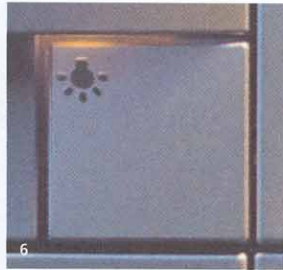
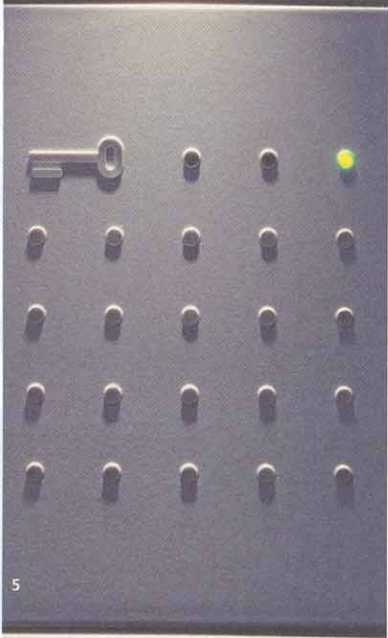
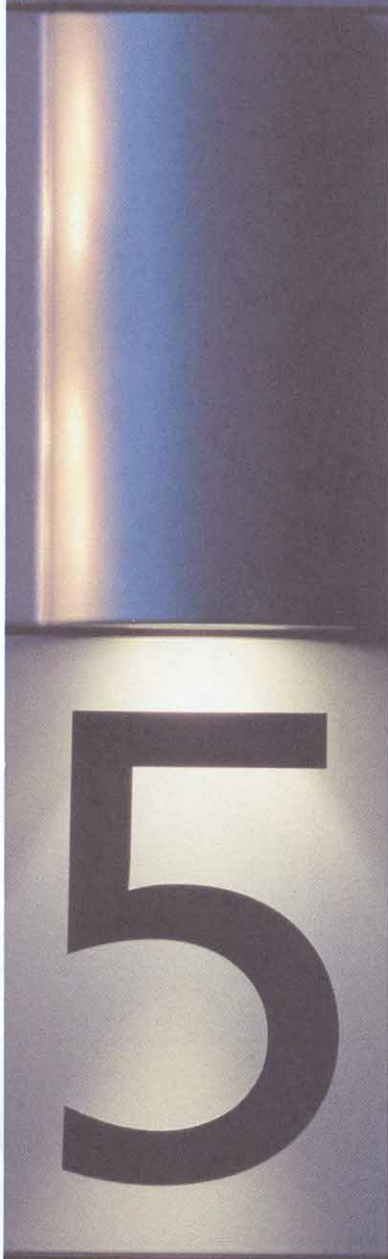
1 The movement sensor: One module - three functions - countless options. Our suggestion: The movement sensor sets off the door call and activates the video camera as well as other security systems. The outside light is switched on in combination with the photoelectric lighting controller. And the lighting controller switches on the outside light and the integrated modular lighting on its own.

3 „I'm the door bell' - nowadays even the door station communicates with visitors. Two short messages and then we know that all we have to do is page through the register of names with >> until we come to the right initial letters. Then just select the name you want with >. The display is clear, illuminated and easily read even in back light.

Just the thing for high-tech fans or for those who need to install an economical system in a large building. Minimum space requirements and a permanently, well-inscribed door station are welcome side effects. Unfortunately, we cannot show how good the call buttons feel in this brochure. Specialists talk about a microswitch and good tactile feedback. The best thing to do is to try out just how good „ringing“ can feel yourself. Buttons which feel soft and elastic whilst remaining robust and weather proof.

4 The card reader: However individually card readers are tailored to the relevant application, in the entryway area, all customary systems available on the market can be integrated into the Siedle Vario concept. The result is a uniform, homogeneous appearance for your entrance.

Door Communication Details to uplift the spirit



5 Perfect design needs colour and structure, form and function - and after sunset, superb lighting effects. Vario offers halogen beams or gentle area lighting. Functional modules have background lighting and the electronic key module comes with a „light landing strip“ for the electronic key or card itself. And an extra option is the „energy save switch“.

6 The light button points the way to the entryway lighting - and is itself a shining example.

7 The next hailstorm might ice up your car - but for the Vario call button functions it is business as usual.

All Vario modules are protected by an invisible opening guard. And for those who believe it's better to be safe than sorry, there's an additional optional pilfer guard. Bad times for the light-fingered.

8 Ideal for children, the disabled and all those who need small and simple systems: just hold the electronic key briefly over the read-in field and step in. Perfect for private households (up to 9 users) and economical for firms, hotels, clubhouses or residential homes. The large solution can manage up to 999 users. The electronic key comes in handy key (pendant) form with a reading range of 25 mm, or in credit card format with a reading range of 80 mm. And if you lose your „open Sesame“, just deactivate the electronic key or card and prevent unauthorized access of any sort, so avoiding the additional costs involved in changing the entire lock system.

A variety of input and control devices can be connected to the Siedle Vario bus, comprising 4 cores. The Vario bus serves two main areas of application:

1. Electronic call input

Connected telephones are called using the code lock or display call module (electronic directory). For this, the call controller RC 602-... is required in the 1+n system.

2. Electronic access control

Control functions such as e.g. door releases can be actuated by means of fingerprint, code lock or electronic key read module. For this purpose, the Easikey controller EC 602-... is required.

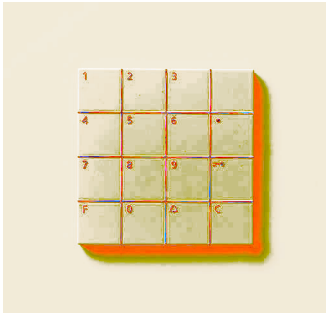
Max. no of input devices per Vario bus:
8 FPM 611-...
+ 8 ELM 611-...
+ 8 COM 611-...
+ 8 DRM 611-...

ELM 611-0 W White
ELM 611-0 SM Silver metallic
ELM 611-0 TM Titanium metallic
ELM 611-0 GM Graphite brown metallic
Electronic key read module as a no-contact access control system with function LED. Optionally in a "stand-alone" version or in conjunction with Easikey controller EC 602-... . Used as a read unit for electronic keys or cards to open doors, gates etc. In "stand-alone" operation, a maximum of 9, and in conjunction with the EC 602-... a maximum of 999 electronic keys or cards can be used.
If there is an FPM 611-... integrated in the system, this value is reduced by the number of fingerprints which have been scanned in.

- Operating voltage 12 V/AC from TR 602-...
- Current consumption max. 120 mA
- Contact load 24 V/1 A
- Protection system IP 20,
- Ambient temperature -20° C to 70° C

Dimensions: 99 x 99 mm

EK 601-0
Electronic key for use in conjunction with Easikey read module ELM 611-0. Each



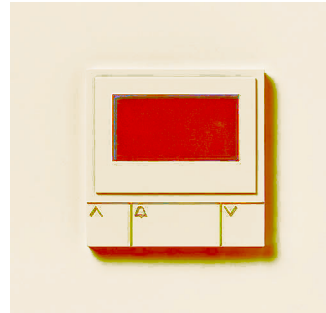
COM 611-01 W White
COM 611-01 SM Silver metallic
COM 611-01 TM Titanium metallic
COM 611-01 GM Graphite brown metallic

Code lock module as an input unit for entering codes for door calls and control functions in conjunction with the Siedle Vario bus. With keypad for calling in conjunction with call controller RC 602-... (in the 1+n system), for control functions in conjunction with Easikey controller EC 602-...

A C button for deleting input errors and a DR button for direct door release. This door release function can be additionally controlled by a timer switch provided on site.

An integrated LED can be used as a status display via an external floating contact.

- Operating voltage 12 V/AC from TR 602-...
 - Current consumption max. 100 mA
 - Ambient temperature -20° C to +70° C
- Dimensions: 99 x 99 mm



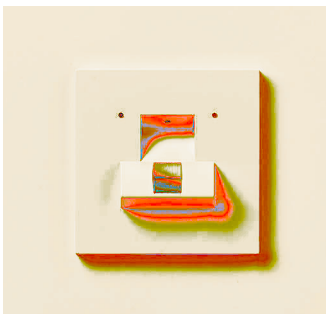
Available from May/June
DRM 611-0 W White
DRM 611-0 SM Silver metallic
DRM 611-0 TM Titanium metallic
DRM 611-0 GM Graphite brown metallic

Display call module as an input unit with 4-line display for placement of door calls. The call controller RC 602-... is only required when used in the 1+n system. Customer-specific data stored in the DRM 611-... is indicated on the display. In order to scroll in the name register, "up / down" arrows are available. If the required name is highlighted in the name list, this user will be called when pressing the bell symbol button.

An external DR button can be connected. The DRM 611-... can also be used in combination with the COM 611-... in order to display the input via the DRM 611-...

- Programming possibilities:
- Using the call controller card RCC 602-...
 - Using a PC and the Vario bus programming software PRS 602-... via programming interface PRI 602-... - or manually using the 3 buttons at the DRM 611-...

- Display showing 4 lines of 18 characters each, with LED backlighting
 - 3 piezo buttons without drop
 - Button actuation with acoustic confirmation
 - Illuminated symbols
 - Up to max. 504 users can be programmed
 - Operating voltage 12V AC from e.g. TR 602-...
 - Current consumption max. 200 mA
 - Ambient temperature -20°C to +70°C
- Dimension: 99 x 99 mm



FPM 611-01 W White
FPM 611-01 SM Silver metallic
FPM 611-01 TM Titanium metallic
FPM 611-01 GM Graphite brown metallic

Fingerprint module as an access control system with function LEDs. Suitable for "stand-alone" operation or in conjunction with the Easikey controller EC 602-... at the Vario bus. (Can be programmed via the PRS 602-0. See page 10).

Read unit for recognition of scanned-in fingerprints for opening doors, gates etc. A maximum of 100 users (user fingerprints) can be entered.

- Operating voltage 12 V/AC from TR 602-...
 - Current consumption max. 250 mA
 - Contact load max. 24V/2 A
 - "ON" time in stand-alone mode fixed at 3 seconds.
 - Protection system IP 54 (when mounted)
 - Ambient temperature -20°C to + 55°C
- Dimension: 99 x 99 x 17 mm

Remark

We recommend reading in the prints of at least 2 fingers per person to ensure that access is still possible in case of injury to one finger.

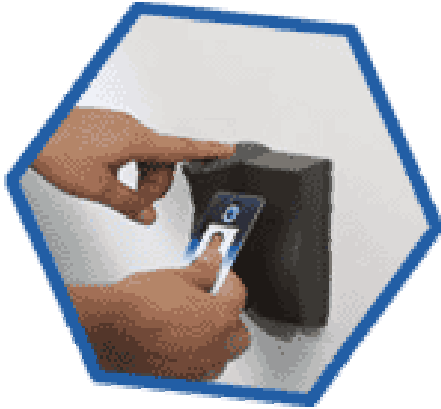
A maximum of 5 groups can be formed in "stand-alone operation". It is not possible to delete one fingerprint from a group, i.e. only the entire group can be deleted.

It is possible, particularly with children or the elderly, that fingerprints cannot be successfully scanned in due to insufficient or non-existent biometric attributes.

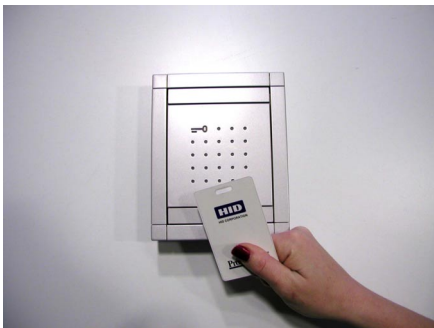
For test purposes, presentation cases are available on a loan basis for electrical fitters. These can be requested through the Siedle marketing service.

Functions for Siedle Vario modules are described on this side. The same functions are also possible with Siedle Steel.

iCLASS from HID Corp.



NEW! Siedle's iCLASS smart card and reader makes access control more powerful, more versatile and most important of all, offers enhanced security through encryption and mutual authentications. At the same time iCLASS is user-friendly, delivering the convenience, affordability and reliability of proximity technology for which HID is known worldwide. Fully integrated with the Siedle's Door Entry and Communication systems the reader is mounted inside the entry station behind a module cover. As a result, HID's product functionality and reliability is incorporated in the high quality appearance and protection from environment and vandals of Siedle's entry station.



Specifications:

Dimensions:	3.9" x 3.9"
-------------	-------------

ProxPoint Plus from HID Corp.



NEW! Siedle's Prox Reader offers proximity card reading solutions from HID Corporation. Fully integrated with the Siedle's Door Entry and Communication systems the ProxPoint Plus reader is mounted inside the entry station behind a module cover. As a result, HID's product functionality and reliability is incorporated in the high quality appearance and protection from environment and vandals of Siedle's entry station.



Specifications:

Dimensions:	3.9" x 3.9"
Voltage	5.1 – 16VDC
Current draw	60mA peak / 35mA ave. / 7mA min.

[View HID's iClass product.](#)

The keys you can forget



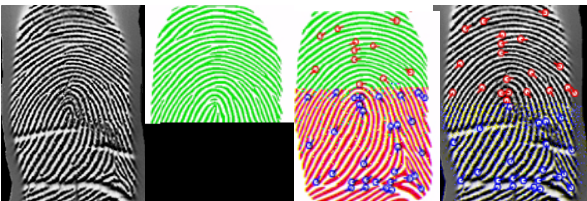
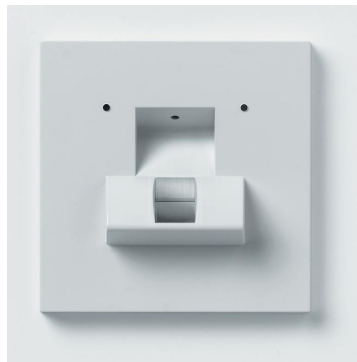
Siedle offers a fingerprint recognition alternative for access control as part of our audio / video door station systems. With compact design and simple operation now provides admission control via fingerprint to the growth market of the private households and small enterprises.

Instead of standard key and lock controls, with an unmistakable biometric characteristic - the individual fingerprint is used. Each read in finger is compared with the stored images of authorized persons. Upon a match the door lock is released.

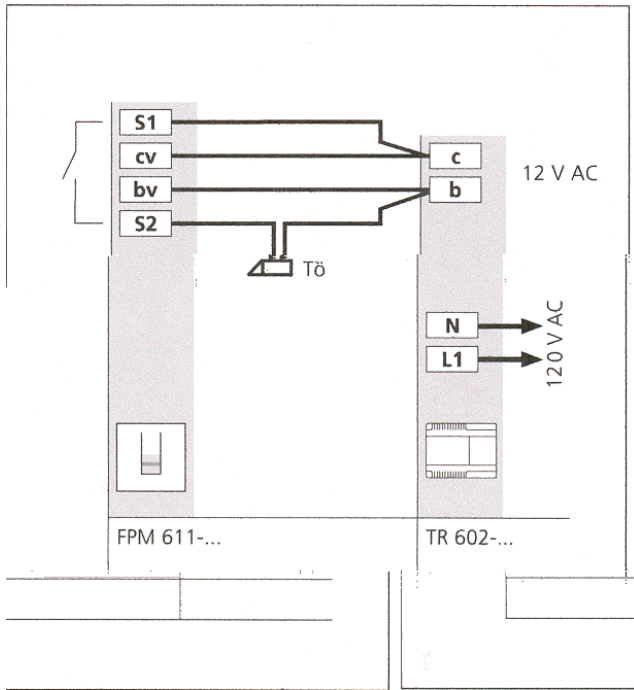
Forgotten, lost or stolen keys, searching through pockets and bags are a thing of the past - the key literally always is to the hand.

These advantages of fingerprint recognition, so far almost exclusively restricted to large commercial or military use, can now be used in residential and smaller multi-family and commercial applications. Before the available systems for these applications were often too expensive and the installation and programming too complex.

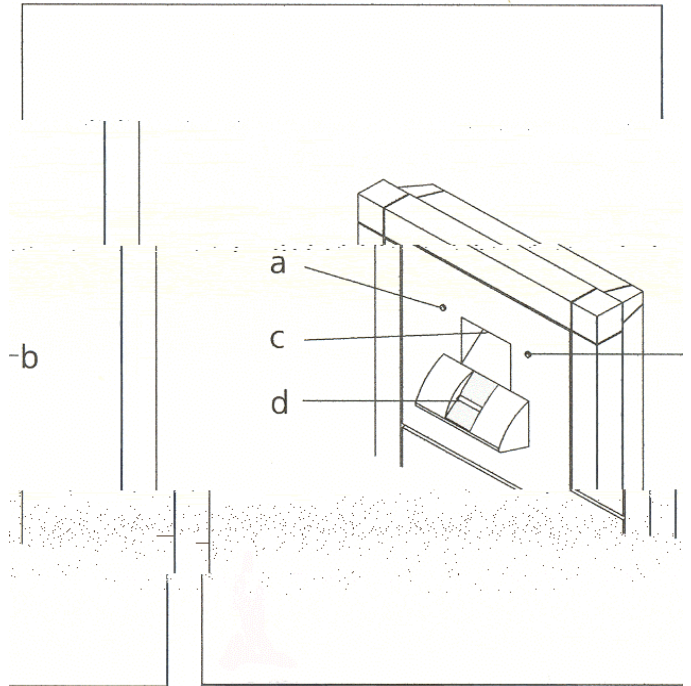
The entire computing and memory achievement, are contained within the the fingerprint recognition module. Scarcely 3.9"x3.9" and 1.5" deep the module fits within a Vario door station frame. Within minutes an installer knows how to insert the fingerprint module into each the doorstation. A pre-fabricated plug provides for the connection – finished. The equipment does not need additional controllers.



From the fingerprint read, sample characteristic points (Munitiae) are computed. They are stored and compared with each presented finger. The entire computing and memory storage are contained in the module.

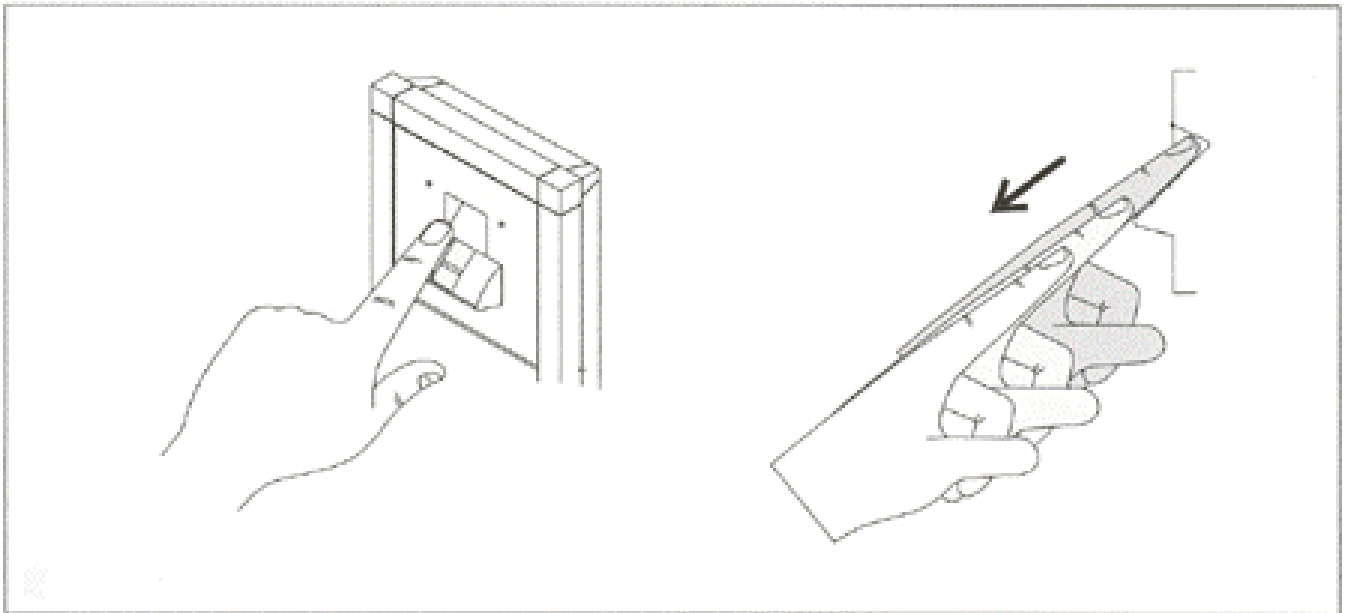


Terminal plan for standalone operation



Module description:

- (a) Red LED
- (b) Green LED
- (c) LED for lighting
- (d) Sensor



Draw the finger over the sensor

Surface Mounting Components		Pedestal Mounting Dimensions	
Modules	Part Number	Surface-mount Housing	Dimension W x H x D
1x1	GA 611-1/1-0	5.2" x 6.4" x 1.45"	
2x1	GA 611-2/1-0	5.2" x 9.1" x 1.45"	
3x1	GA 611-3/1-0	5.2" x 13" x 1.45"	
4x1	GA 611-4/1-0	5.2" x 16.9" x 1.45"	
2x2	GA 611-2/2-0	9.1" x 9.1" x 1.45"	
3x2	GA 611-3/2-0	9.1" x 13" x 1.45"	
4x2	GA 611-4/2-0	9.1" x 16.9" x 1.45"	
6x2	GA 611-6/2-0	18.2" x 13" x 1.45"	
3x3	GA 611-3/3-0	13" x 13" x 1.45"	
4x3	GA 611-4/3-0	13" x 16.9" x 1.45"	
5x3	GA 611-5/3-0	13" x 22.1" x 1.45"	
6x3	GA 611-6/3-0	26" x 13" x 1.45"	
4x4	GA 611-4/4-0	18.2" x 16.9" x 1.45"	

Flush Mounting Components		Combination Frame	
Modules	Part Number	Part Number	Dimension W x H x D
1x1	GU 611-1/1-0	KR 611-1/1-0	5.1" x 6.3" x .6"
2x1	GU 611-2/1-0	KR 611-2/1-0	5.1" x 9.1" x .6"
3x1	GU 611-3/1-0	KR 611-3/1-0	5.1" x 13" x .6"
4x1	GU 611-4/1-0	KR 611-4/1-0	5.1" x 16.9" x .6"
2x2	(2) -GU 611-2/1-0	KR 611-2/2-0	9.1" x 9.1" x .6"
3x2	(2) -GU 611-3/1-0	KR 611-3/2-0	9.1" x 13" x .6"
4x2	(2) -GU 611-4/1-0	KR 611-4/2-0	9.1" x 16.9" x .6"
6x2	(4) -GU 611-3/1-0	KR 611-6/2-0	9.1" x 24.8" x .6"
3x3	(3) -GU 611-3/1-0	KR 611-3/3-0	13" x 13" x .6"
4x3	(3) -GU 611-4/1-0	KR 611-4/3-0	13" x 16.9" x .6"
5x3	(5) -GU 611-3/1-0	KR 611-5/3-0	13" x 20.9" x .6"
6x3	(6) -GU 611-3/1-0	KR 611-6/3-0	13" x 24.8" x .6"
4x4	(4) -GU 611-4/1-0	KR 611-4/4-0	16.9" x 16.9" x .6"

Löwentorzentrum Stuttgart

A building's communication system should fulfill the same requirements as its architecture. In the case of an office building with a representative function and a flexible utility concept, this means it has to blend in with the formal and aesthetic framework of the building and has to be capable of adapting to the varying needs of changing tenants.

Options are available for extending and upgrading the Siedle-Vario modular system – post installation as well. The door control units integrate video surveillance, lighting and additional information boards simply by replacing modules.

Stand-alone posts place all the controls at the correct ergonomic height.

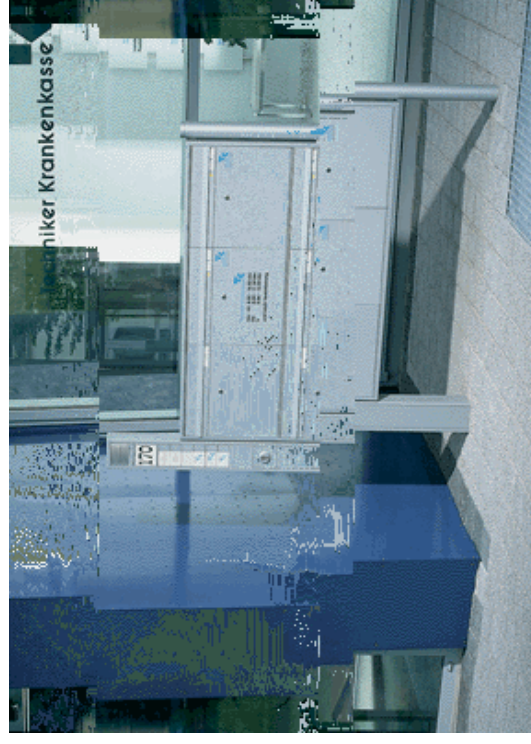
Architect: Kischner & Partner,
München

Electrical Engineer: Investa
Ingenieurgesellschaft für das
Bauwesen mbH, München

Electrician: Ingenieurbüro Schurtz
u. Lommatzsch, München



Integration: At the main entrance the free standing Vario post with six letterbox units combines function with design



Signpost: Information units and call buttons on entrances to the various floors and corridors can also function as guides (top).

Not forgotten: Comfort and aesthetics of the garage entrance. Ultimately this is just as much an advertisement for the building as all other entrances (right).



Vision: The systematic use of the programmable electronic key makes organizing the access control easier and also allows for a change of usage in the future.

SSS SIEDLE
Visit us at <http://www.siedleusa.com/>