The DA400 is a 4-door access control unit guaranteeing 100% security and 100% simplicity. Specifically designed to function without any specific programming or application, it boasts a range of human-computer interface options using an Internet browser.

DA400

No software to install

Can be incorporated into the existing network

No server required

Available via TCP/IP

Clarity

Efficiency

Simple management

DA400

The ultimate access control solution for small and medium-sized facilities

The DA400 is a control unit that can manage up to 4 doors. It has been specifically designed to be installed quickly and without the need for any desktop IT system. There is no software to install or download. All you need is an Internet browser.

Once set up, the system is totally stand-alone. It can be accessed via a laptop, tablet, Smartphone or iPhone. The software has been fully developed in "adaptive web format", so it adapts to all screen formats and sizes.

Maintenance and management are easy as there is no external database.
10 operators can be set up on the system. Depending on their access rights, they can create new users, assign access rights, change existing settings and view or export events.

The unit itself is a compact box with a 5A 12V DC power supply. An optional battery kit means it can still be used when you lose power. The power supply for the readers and locking systems is provided by the control unit. These power supplies are protected against short circuits. The deep discharge of the battery is also monitored.

Depending on the configuration chosen, the DA400 unit can manage:
• 4 doors/1 reader with opening pushbutton
• 1 door/2 readers (entrance - exit) + 2 doors 1 reader with opening pushbutton
• 2 doors/2 readers (entrance - exit)

It can manage 2,500 users and 250 access groups (categories). On top of this, its impressive autonomy means it can store the last 50,000 events, guaranteeing complete traceability. Badges can be created from an installation reader.

Access to the system requires a username and password. These login details determine the user's rights.

PC, tablet, Smartphone and iPhone

Adaptive web format
Adapts to the format of your device
(Responsive Web Design)

A comprehensive homepage with an overview of the system status

Once you have entered your username and password, the homepage shows the general overview of the system. It's a sort of dashboard for the DA400.

🇬🇧 English

🇫🇷 Français

🇳🇱 Nederlands

Main menu

At a glance, you can see:
- The status of doors and their devices
- The power supply and battery status
- The central control unit security status
- The presence and number of alarms
- The system date and time
- The number of operators signed in

With one click you can:
- browse the menu options
- see saved events
- give the order to open a door
- unlock and relock doors

There is an integrated help function.

Each screen has a shortcut to a help page.

DA400

Simple and efficient process for programming users and access rights

The main menu takes you straight to the list of users. You can then create and edit a user.

The list of information displayed can be changed to suit you. Users can be imported from an existing CSV file and exported for other uses

'Users' (2,500)

Here you can find everything you need to identify the user and assign their access rights.

• Their surname and first name
• Up to 5 customisable blank fields
• Their valid dates and times
• 3 access categories
• Their 2 badge codes and passcode

You can disable the user with one click. Activating one option allows this user to clear the system alarms with their badge.

Define time slots (50)

Defines the periods during which access is permitted. There is a time slot for each day of the week and a time slot connected to the days defined in the calendar as holidays or days on which the company is closed. For each daily time slot, you can define up to 3 active slots

Define categories (250)

Here you can find everything you need to define access rights.

• The category name (Access group)
• The doors to which this category gives access
• The time slot during which access is permitted
• 2 options for overriding:
   • blocking during prohibited periods
   • the anti-passback function
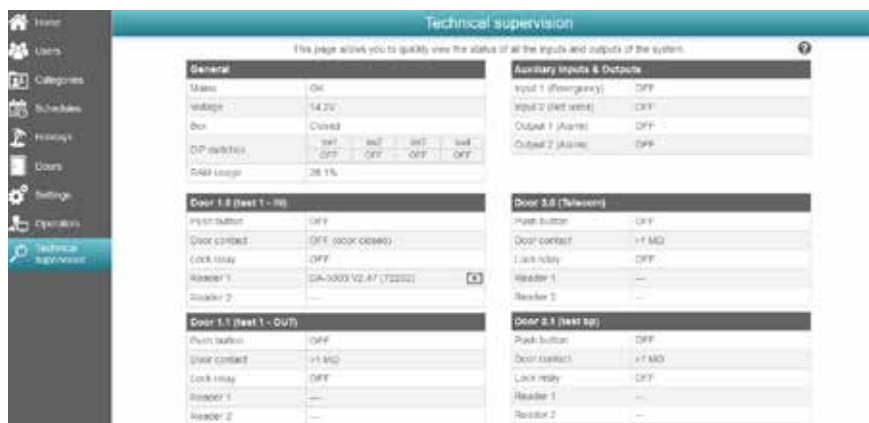
Simple, efficient functions

Holidays - Calendar

Lets you define holiday periods. On these dates, the active timeslot for the day will be the one for holidays. You can define individual days or set days, repeated from one year to the next. Such as bank holidays for example.

A technical monitoring screen

To facilitate set-up and maintenance, this screen shows all the technical settings and the status of each connection outside the system

General
• Power status
• Power supply voltage for the DA400
• Status of the control unit protection contact
• Status of the configuration dip switches
• Status of the internal memory use

For each door
• Status of the pushbutton
• Status of the door contact
• Status of the locking system control
• Status of the connection with the readers

For entrances and exits
• The status of the 2 entrances
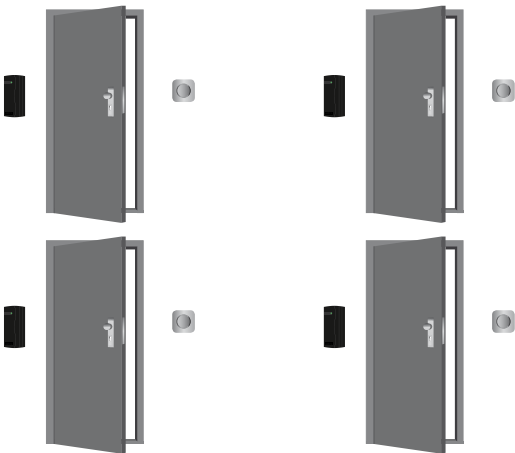• The status of the 2 exits

DA400

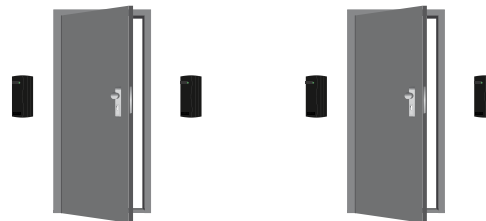## 4 readers for 3 possible combinations

Combination 1
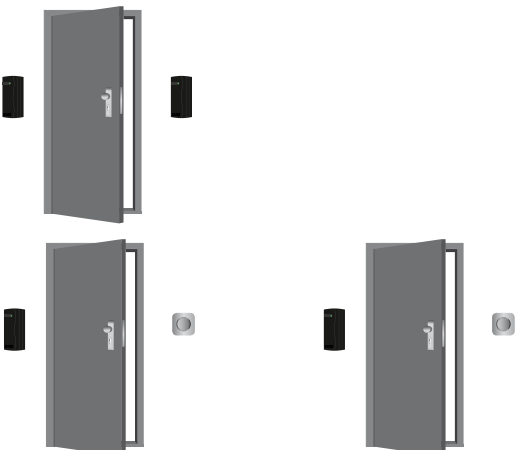4 doors with 1 reader and 1 pushbutton

Combination 2
2 doors with 2 readers, entrance and exit

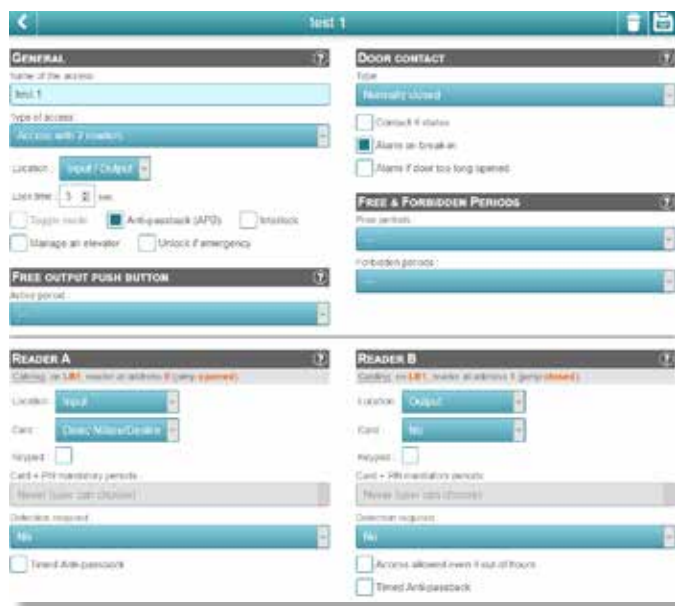### Combination 3
1 door with 2 readers, entrance and exit,
and 2 doors with 1 reader and 1 pushbutton.

Programming the doors

When 2 readers are selected, the adjacent door will not work as the 2 readers have been assigned.

Choosing a door takes you to its settings. For each door, you can see:

• Its name
• The number of readers connected to it (1 or 2)
• If it manages a zone or not
• Unlock time
• Optional functioning modes

> • Toggle mode
>
> • Anti-passback
>
> • Interlock - airlock function on all doors
>
> • Automatic unlocking in the event of an emergency

• The features of its reader(s) (Dinec 125KHz and Mifare, Wiegand, ISO2, Bar code or Dallas)
• The presence of a keyboard-coder and how it works in com-bination with the reader
• When the pushbutton is active
• Function options:

> • manage Anti-passback timer
>
> • access 24/7
>
> • archive actions by pushbutton

If door contact is present, an alarm can be triggered:

•   in the event of a break-in
•   if the door has been left open for too long

This door contact can also be monitored (4 statuses) An alarm will be triggered if there is a short circuit or the connection is interrupted

DA400

Flexible technical configuration

The configuration screen provides access to different functions. This screen shows the system information.

Network configuration

The control unit can function in DHCP or fixed address mode. The connection can be secured (HTTPS). The control unit can also manage its own stand-alone TCP/IP network (DHCP server).

The UPnP protocol lets you configure compatible Internet routers.

Date and time

If the control unit is connected to a computer network, the internal clock can be synced on an external time server. Defining the time zone will make sure the time is synced when the clocks change for winter/summer time.

'System' options

5 types of alarm can be activated:
- Housing compromised (Tamper)
- Reader compromised (Tamper - depending on the model)
- Power failure
- Low battery
- Glass damage input activated

The alarm times and repetition can be programmed.

Wiegand readers

4 types of Wiegand format can be programmed

Auxiliary inputs and outputs

2 inputs can be associated with an emergency scenario (unlock the doors in the event of evacuation) or broken glass. 2 outputs can be identified such as the alarm status, save alarm, presence of at least one person, or the control for an external doorbell.

'User' options

5 blank fields can be edited. They will appear on the user's screen. When using a zone, the time at which everything is reset to neutral can be programmed.

The reader buzzers can be activated for a programmable time (5-60 seconds) to announce when the last person has left the zone.

Backup and update

There are 2 ways of doing a backup:
- Download a file to device
- Back up to a USB stick connected to the DA400

Restore a backup

When restoring using a backup file, the backup parameters and data are restored to the control unit.

Firmware update

When a new version is available, selecting a file downloads it to your DA-400.

System log

A technical system log records the history of the system.

10 operators to manage the system

A list of 10 operators is available. For each of them, 1 of 4 rights can be assigned.

As well as the option to temporarily disable an operator, there are 4 management rights available:
- Full control (Administrator)
- Hardware installation
- Access control management
- Monitor installation

Each operator is identified using their full name, their username and their password.
This ensures traceability when it comes to changes.
Depending on their role, each operator will have access to different functions.

Full control (Administrator)
- All functions on the homepage
- All actions relating to users
- All actions relating to categories
- All time editing options
- Define holidays
- Programme the doors
- General technical configuration
- Create operators
- Technical monitoring

Hardware installation
- View and export events
- Manage alarms (stop and reset to zero)
- Programme the doors
- Edit network settings, time and system settings
- See list of operators
- See technical parameters

Access control management
- All functions on the homepage
- All actions relating to users
- All actions relating to categories
- All time editing options
- Define holidays
- View door settings
- View general technical configuration
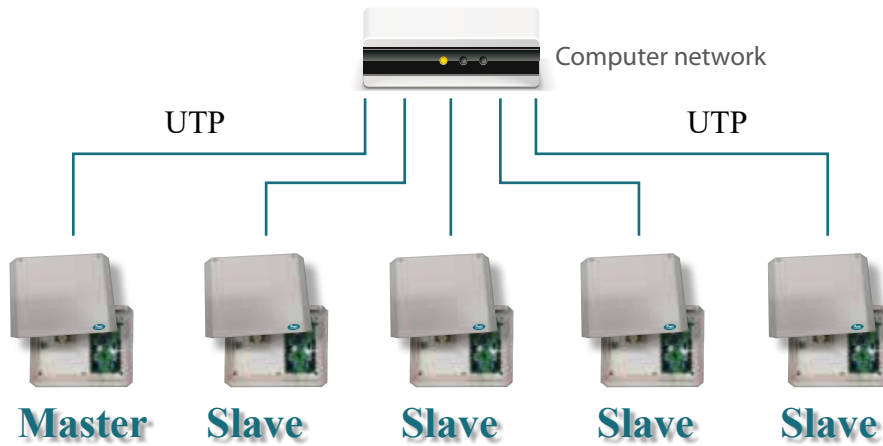- See list of operators
- See technical parameters

Monitor installation
- Stop an alarm
- See list of users
- See list of categories
- See list of times
- See holidays programmed
- See door settings
- See list of operators
- See technical parameters

DA400

Can be extended to 20 doors*

Computer network

UTP   UTP

Master   **Slave**   **Slave**   **Slave**   **Slave**

Easy to use

Practical, comprehensive hardware

Integrated in a painted steel housing (RAL9002), the electronics used to manage this 4-door control unit are based on a powerful microprocessor linked to a Linux kernel. Its accessibility makes it easy to connect to plugin terminals.

1 Space for 12V /7 Ah rechargeable battery protected against reverse polarity. Low battery sensor and deep discharge prevention.

2 **For doors 1 and 2:**
• Input for door contact and pushbutton.
• Output for release/suction with 12 VCC- 2x600mA power supply

3 **For doors 3 and 4:**
• Input for door contact and pushbutton.
• Output for release/suction with 12 VCC- 2x600mA power supply

4 Reader connections (RS485).
12V DC power output for readers.
Max. current per reader: 225 mA
Reader power supply 12 Vcc-225mA(4x)

5 **Processor**
• ARM card A5 - 528 MHz
• Memory 64 MB RamDDR2 133 MHz
• Integrated timestamp - Stored for 4 days offline.

6 **2 auxiliary inputs for, choice of:**
• evacuation contact (release the doors)
• broken glass: detection if activated
• Presence of vehicle loop to accept badge

7 **2 auxiliary outputs for, choice of:**
• activate an alarm element (flash, siren)
• save alarm
• indicate the presence of at least 1 user in the zone
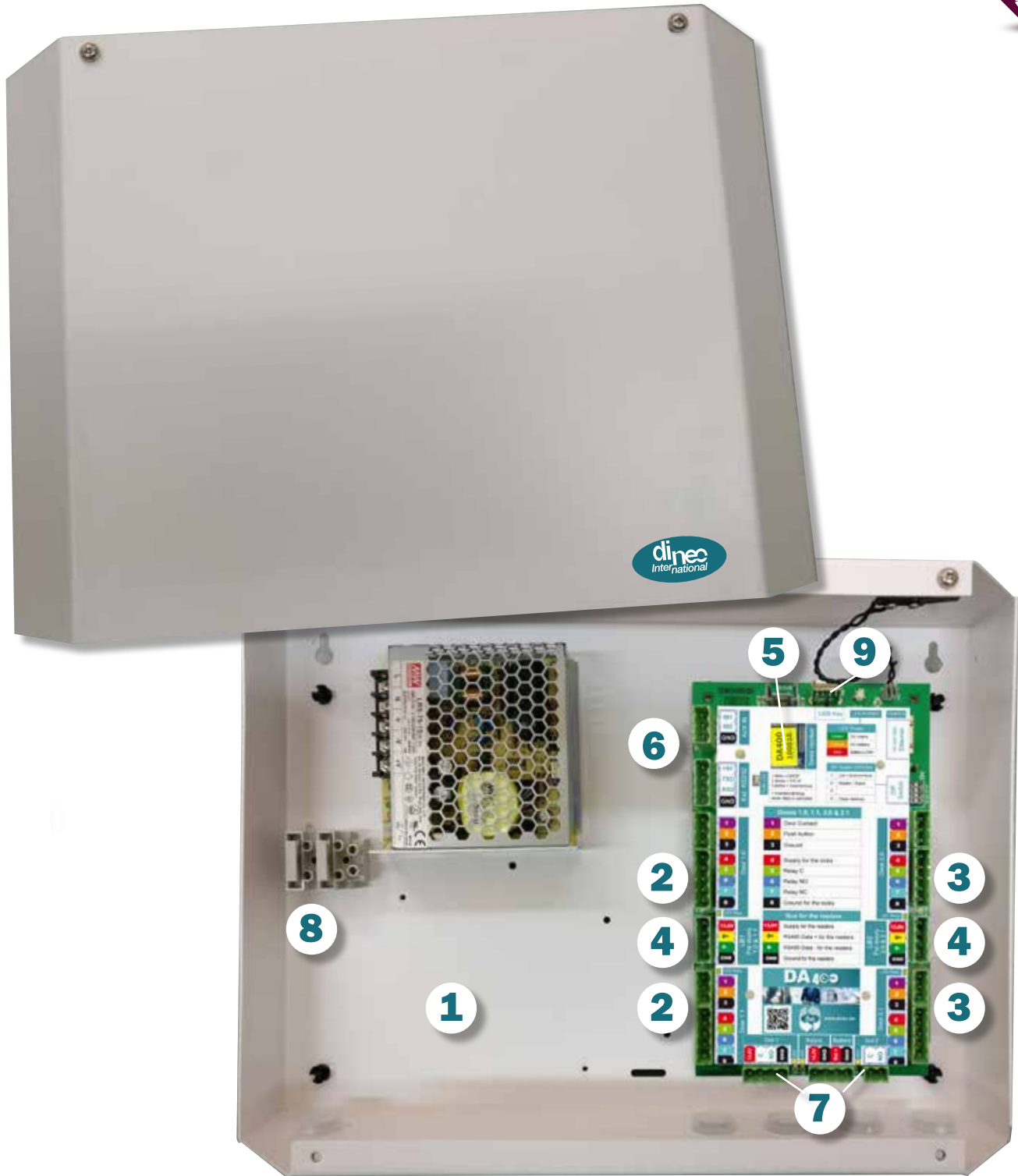• activate the doorbell

8 **Power supply:**
• 120 to 240 V CA frequency 50/60Hz, 100 VA-1,52A with fuse (1A)

9 **USB for backup on USB stick**

Hardware
• 350mm X 250mm X 80mm
• Operating temperature: 0°C to +50°C
• Humidity: 0% to 85% (without condensation)
• Control unit sealed using 2 Allen head screws
• Integrated tamper

DA400

Painted steel housing RAL 9002
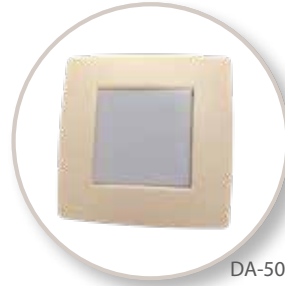
Range of reader types and technologies

DA-5003 +
DA-1903

- **Mifare 13.56 MHz**

DA-1820

- **EM 125 KHz**

DA-5013

- **Mifare 13.56 MHz**

DA-1857

- **EM 125 KHz**
- **Keyboard**
- **Display unit**

DA-186x

- **Vandal proof IP67**

Keyring style ID
- **EM 125 KHz**
- **Mifare 3.56 MHz**

Bank card style ID
- **EM 125 KHz**
- **Mifare 13.56 MHz**
- **Multi-technology EM + Mifare**

DA400

Equipment and configuration

Capacities
- 2 double doors or 4 single doors or 1 double door and 2 single doors
- 2,500 users
- 50 weekly time slots
- 250 categories
- 50,000 events stored
- 1 internal zone with anti-passback (3 possible statuses: neutral / out / in)

User configuration (2,500)
- Name: 50 characters
- Blank fields: 5 fields with 40 characters each
- Option to use the 1st blank field for the first name
- "Disabled user" option
- 2 badges with 20 characters max.
- 1 key code - 4 to 8 digits
- Validity: all the time / from... to... (start and end date and time)
- Categories: 3 Categories per user

Door configuration
- Access name: 40 characters
- Type: 1 reader / 2 readers (RS485 or other via DA-1715)
- Location: Neutral or Entrance / exit
- Unlock time: 1 to 60 secs.
- NO and NC door release relays. Relay tripped 1.5 secs after door opening is detected
- Type of door contact: None/NO/NC and "4-status" option
  If door contact is present, option of:
  - Break-in alarm
  - Door open too long alarm
  - Max. open time: 15s to 999s
  - Pre-alarm time (reader buzzer): 0 to 999s
- Free access period with "Only if someone is inside" option
- Prohibited access period
- Sabotaged or disconnected reader alarm
- Record unknown codes
- Different types of reader: Dinec 125KHz / Dinec Mifare / ISO2 / Wiegand (4 types of format) / Bar code / Dallas
- Keyboard optional
- Period when Badge + Keyboard must be used (outside that time, the user can choose)
  Additional configuration
  - Toggle mode
  - Anti-Passback and Anti-Passback Time (0-99min)
  - Interlock - airlock function on all doors
  - Automatic unlocking in the event of an emergency
  - Pushbutton with authorised period and option to store actions by pushbutton.
  - Detection compulsory for vehicle loop for example
  - 24/7 authorised access. Always lets you leave the building

Connectivity
- TCPIP 10/100/1000 Base-T mode DHCP (default) or fixed.
- HTTPS connection with Dinec certificate

Categories (250)
- Name up to 50 characters
- List of authorised doors
  Options:
  - All access
  - No Anti-passback control
  - Authorised during prohibited periods

Weekly time slots (50)
- Name up to 50 characters
- 3 periods a day
- List of holidays (80 holidays + 10 set days)

Events
- Filter by door
- Filter to see alarms only
- Filter by user
- Filter by operator

Real-time status and maintenance
- General overview of the system:
  - Alarm
  - Power supply
  - Battery
  - Auxiliary inputs (2) - outputs (2)
  - Housing compromised
- View door status
  - Pushbutton
  - Door contact
  - Release
  - Reader
  - Alarms
- System actions
  - Open a door
  - See users present
  - Change user status: neutral / in / out
  - Reset all to neutral
  - Group programming

Import and Export
- Import and export users in CSV (separated by: TAB)
- Export events in CSV (separated by: TAB)
- Export and import installation configuration.

Operators
- Name of operators up to 40 characters
- Username between 2 and 15 characters
- Password between 6 and 15 characters with security policy
- 4 access levels for management:
  - Total control (administration)
  - Hardware installer
  - Access control management
  - Installation monitoring

Miscellaneous
- Change language according to browser used
- Date and time: manual sync or by NTP server
- Summer/winter time change: automatic according to time zone.
- System language (for readers with display unit)
- Dinec readers and programmable interfaces
- Encode badges using installation readers
- Power supply for readers and locking systems protected against short circuits

Alarms
- Tamper (housing compromised)
- If no 230 V AC supply
- If battery voltage too low
- Alarm time: 5 to 180 secs.
- Alarm cleared by authorised user's badge

Housing
- 350mm X 250mm X 80mm RAL 9002

Inputs - outputs
- 2 configurable inputs (emergency, vehicle detection)
- 2 configurable outputs (alarm, save alarm, presence)

As all fields are UTF-8 encoded, the number of characters may vary depending on the type of character used.

A story dating back to 1981

Dinec International has been innovating, designing and manufacturing since 1981, developing and marketing its security, time management and building management solutions. Our teams are committed to putting together systems boasting modern, effective technology. Our developments protect your real estate or industrial heritage, whilst making it easier to manage from a technical and administrative point of view day in, day out.

The proximity of our development office and production unit in Braine-l'Alleud, Belgium guarantees the perfect balance when it comes to the control and quality of our systems.

Our range
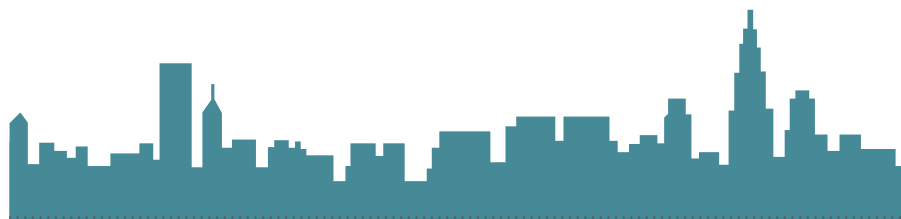
Access control using badges fingerprints or keys	Visitor management	Anti-intrusion alarms	Building management systems	Statistical monitoring
Car park management	Video surveillance	Attendance time management	Energy management	Monitoring patrols

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