

## iSafe Pro

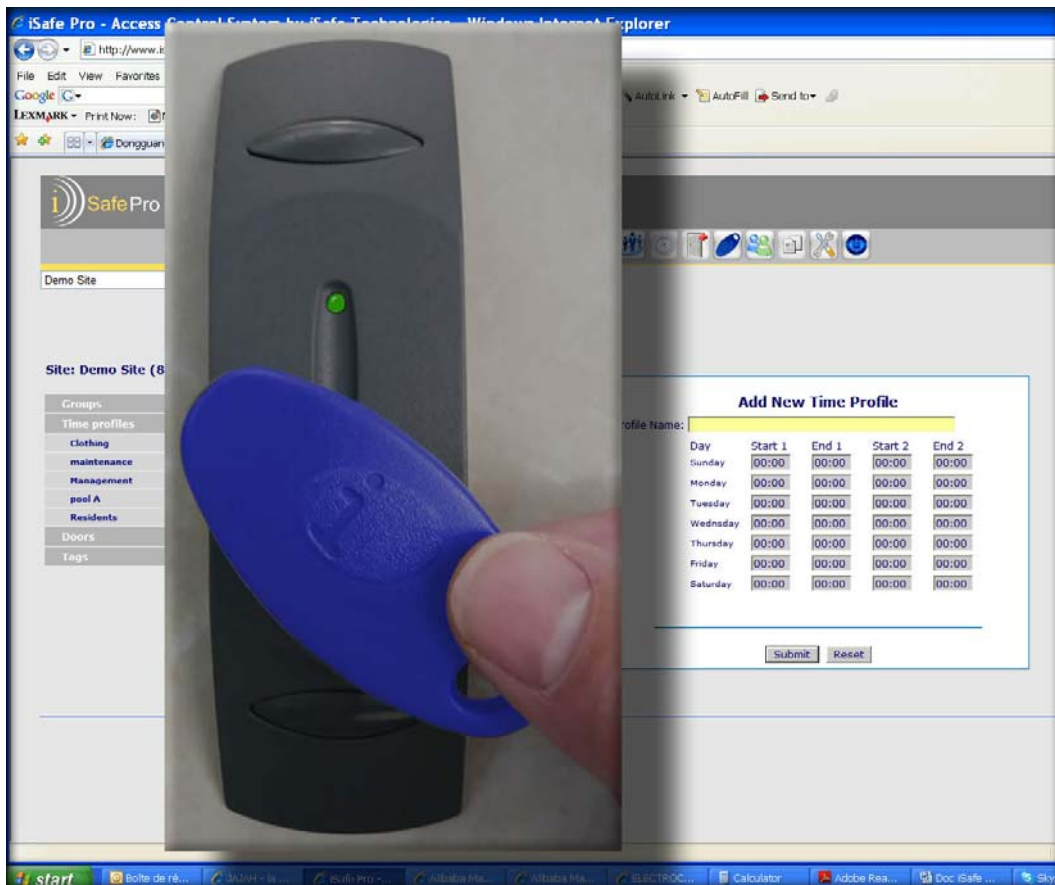
### Effective access management

#### Technology

Administration of badges, access rights, events and other data through an internet connection using Explorer and transmission of data by encoding in the badges or by wired transmission on RS485 (2-wire bus).

- Encoding in badges with an encoder connected to the PC via USB.
- Badges with read-write protection using A and B encryption keys (Mifare ISO 14443-A technology).
- Access rights with loss indicators by dating: the date of a new badge causes previous badges for the same user to be invalidated
- Data stored in a MySQL database on a server protected with 128-bit SSL encryption.

Each door is fitted with a badge reader using Mifare technology connected to a ACU controller connected to a 12V DC power supply.



## Operation

The following information is entered into the iSafe Pro software:

- Creation of details of the new site with the time zone (GMT), date, time and daylight saving time shifts
- Creation of user groups (maximum 64 groups)
- Creation of weekly timetable menus (16 menus with two time periods per day of the week)
- Creation of doors (maximum 65000 doors)
- Creation of badges (maximum 125000) with allocation of a group to each badge, a validity limit date and 8 individual accesses (office, storage cabinet, etc.)

On entry into service, a configuration badge is passed in front of the antenna of each reader to transfer the following elements to it:

- Site code
- Time zone and daylight saving time shifts
- Door number
- Authorized user groups associated with timetable menus (for each group, one timetable menu from among the 16 possible menus)

Event management:

- 5000 events recorded by the control unit in FIFO mode
- Transfer to PC by transfer badge (by group of 400) or by RS485
- Storage in database with option to export in Excel format

## Advantages

Scheduling updates are made both by the badges (a new badge deletes the old one once the door opens) and by the RS485 bus. It is therefore possible to have doors connected to the management PC by the RS485 bus while others are managed in disconnected mode by the badges.

Timetables are allocated to groups individually for each door. The same badge can hence be authorized for each door according to different timetables (at any time for the car park, from 8:00 to 17:00 for the work area and from 11:00 to 14:00 for the cafeteria). If the timetables for a group of people are to be changed, all that is required is to take action on the door in question, with the change being active for the whole group.

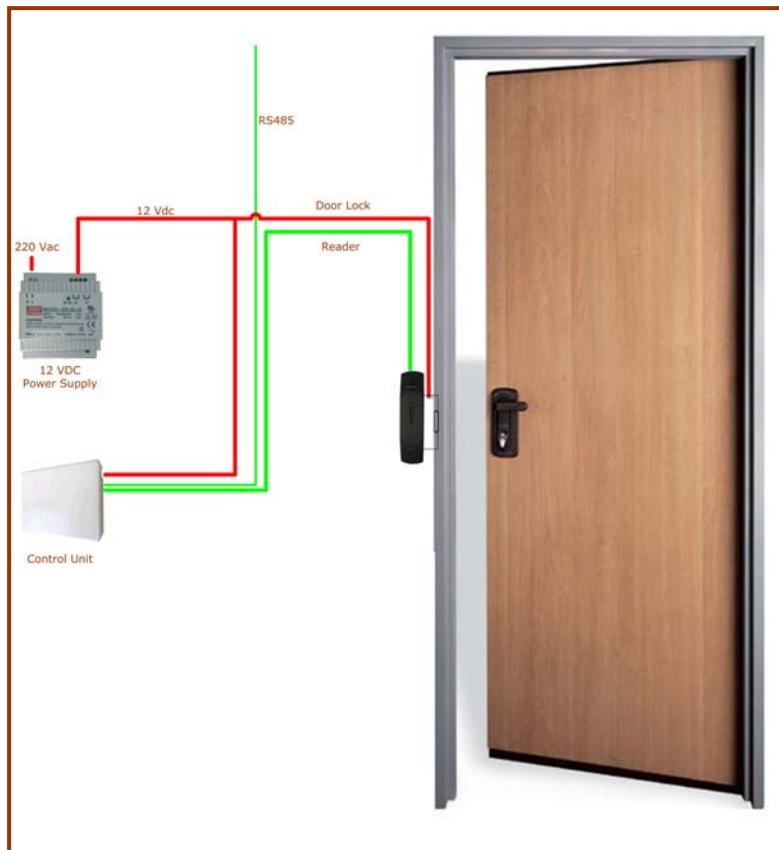
## Options

### July 2008

Management of time between opening a main door and opening a secondary door. A time stamp allows automatic cancellation of a lost badge on all doors with only operating on the main door.

### October 2008

- A PLC version will ensure in a unique box: communication on electric grid without wiring and door lock power supply.
- A fingerprints reader will be integrated in the reader in order to record the fingerprint of the user and check the tag user's identity



## Technical Specifications

### Reader:

*Mifare 13.56 MHz*

*Electronic drowned in epoxy resin IP 65*

*Green and red two-tone Led*

*Connection by cable 4 wire delivered out of standard 2 Mr.*

*Dimensions : 148x44x15 mm*

*Weight : 110 G*

*Badge : Standard Mifare format chart or key-ring (dimension 60x30x5 mm)*



### Control unit:

*Mifare 13.56 MHz*

*Power supply 12 Vdc 1A*

*Data safeguarded in EEPROM*

*Ports RS232, RS485, Alarm I/O*

*Relay opening: breaking capacity 5A 250 Vdc*

*Buzzer, leds, buttons reset and parameter setting*

*Dimensions : 107x73x30mm*

*Weight: 90 G*

