ACCESS CONTROL
Integrated Solutions

ALL UNDER CONTROL

Access Control Systems
<table>
<thead>
<tr>
<th>CATEGORY</th>
<th>Stand Alone</th>
<th>Distributed</th>
<th>Centralised</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMPATIBLE WITH CITY, MARINE, SKYLINE AND LOFT READERS</td>
<td>YES</td>
<td>NO</td>
<td>YES (City, Marine &amp; Skyline, with cable 2545)</td>
</tr>
<tr>
<td>MAXIMUM Nº OF USERS</td>
<td>1.000</td>
<td>5.000</td>
<td>2.046</td>
</tr>
<tr>
<td>Nº DOORS (1 READER PER DOOR)</td>
<td>Unlimited</td>
<td>Unlimited</td>
<td>2.048</td>
</tr>
<tr>
<td>MAXIMUM Nº OF CONTROL UNITS</td>
<td>Unlimited</td>
<td>Unlimited</td>
<td>64</td>
</tr>
<tr>
<td>PC CONNECTION</td>
<td>For City, Marine y Skyline, proximity and fingerprint devices</td>
<td>Not required (Smart Cards). GSM optional (Spain &amp; France).</td>
<td>PC RS485 TCP/IP Optional</td>
</tr>
<tr>
<td>EVENT MEMORY</td>
<td>NO</td>
<td>5.000</td>
<td>3.000</td>
</tr>
<tr>
<td>RELAYs AND SENSORS</td>
<td>1 or 2 Relays</td>
<td>Up to 4 Relays</td>
<td>Up to 999 Relays and Sensors</td>
</tr>
<tr>
<td>LICENCES</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
</tr>
<tr>
<td>EXTENSIONS</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
</tr>
</tbody>
</table>
There are certain parts of a building, a residential complex or a company where it is necessary to restrict access to the public for security reasons, only allowing access to those who are authorised.

To offer the simplest and most effective form of control, Fermax has a complete range access control products. It is about providing products to the most diverse range of projects, from the simplest to the most complex, with systems that are adapted to all budgets.

We have 4 types of Access Control Systems available that respond to different needs:

<table>
<thead>
<tr>
<th>CATEGORY</th>
<th>System</th>
<th>Users</th>
<th>Doors</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Stand Alone</strong></td>
<td>Access Control</td>
<td>1,000</td>
<td>1</td>
</tr>
<tr>
<td><strong>Distributed</strong></td>
<td>AxesKey</td>
<td>5,000</td>
<td>Unlimited</td>
</tr>
<tr>
<td><strong>Centralised</strong></td>
<td>ACPlus</td>
<td>2,046</td>
<td>2,048</td>
</tr>
<tr>
<td></td>
<td>Axes</td>
<td>15,000</td>
<td>840</td>
</tr>
</tbody>
</table>
Simple and efficient single access control.
The most simple and practical way to manage a single door. A device that can be installed both in the interior and exterior. It can be integrated in street panels to enable the neighbours to access it without keys.

PROJECT TYPE
The easiest access control which facilitates the management of a single door. Up to 1,000 users (based on models).

LOCATION
Ideal for factories, offices, services, machine rooms, private enclosures, vehicular and pedestrian doors, etc…

INSTALLATION
Quick and easy to install: just two wires.
Without the need of configuration software.
Management of permissions (adding and deleting users) from the same reader.
Different technologies: fingerprint, keypad, proximity (125 kHz EM, MIFARE, HID) card and radio frequency control.
Possibility of using an external controller for added security.
PROJECT TYPE
Housing estates with different entrances (pedestrian, vehicular, portals, automatic doors) with the possibility of single identifiers. Recommended to facilitate the accessibility to people with reduced mobility.

LOCATION
Ideal solution for garages, enclosures with several entrances and long distances without the wiring of different devices.

INSTALLATION
Thanks to the USER PLUS programming kit, the installer can manage such installations without a remote connection.

Different readers connect to your controller through 3-wire BUS connector. The door release is powered directly from the controller, maximizing each door’s anti-tamper security.

Group access management with independent functioning.

The AXESKEY access control is the perfect combination of intelligence and control enabling you to manage, from the same point, multiple doors that are not interconnected. This form of distributed intelligence allows each door to work independent of the rest, even in case of sabotage to any of them. Of course, each driver recognizes their users and allows access if it has the relevant authorization.

This system is recommended in medium size projects in which multiple drivers are needed in different locations (up to 32 accesses and 1,000 users).

The management is done from a practical and intuitive software: USER PLUS programming kit. The program has the advantage of allowing you to make changes to the permissions (adding and deleting) without remote connectivity or reconfiguring the installation.

The RF technology is integrated as standard on all drivers (up to 100 m range with 868 Mhz technology). You can combine 13.56MHz proximity cards and hands-free, long range identifiers for vehicular and pedestrian access.
The most competitive and simplest to integrate, centralised solution.

ACPlus is the perfect centralised access control system for medium sized projects since it allows the complete management of multiple accesses.

This system connects the different readers through a BUS wire to the device, which carries out the control and offers a comfortable management of users via an intuitive software. The ACPlus programme is a free license software which is always updated and available at www.fermax.com

**PROJECT TYPE**

Projects of medium size with features advanced such as an incidents record and restrictions by area or hour. Suitable for installations up to 2,000 users, 32 gates and up to 3,000 events.

**INSTALLATION**

The readers are connected directly to the ACPlus device and, for a greater security, can be wired through a door’s controller. This will allow the incorporation of long distance and MIFARE readers for the control of both pedestrian and vehicle accesses.
An IP system for buildings with intuitive management, advanced features and total flexibility.

The system allows for the remote management with absolute flexibility for projects of great magnitude and complexity. The control of the installation is performed with assistants that guide the professional on creating your own configuration.

The main advantages of the system are:
- Allows a visual access management because it includes a map of the site where locks and automation can be managed with a single click.
- Available presence control capabilities that can compute the number of hours per user or know the current users in a given area.
- Make incidence records in reports customizable.
- Allows management of individual users access restrictions.
- Allows the use of all types of Wiegand readers and maximum security (such as HID or MIFARE) protocols, making it possible to reuse existing identifiers and readers.
- Includes elevator control.
- Allows integration with CCTV.
- Management up to 15,000 users.

**PROJECT TYPE**

Corporate or residential surroundings use an IP infrastructure of communication, and they need advanced functionalities and flexible user management. Very suitable for installations in which the integration with others systems is required, such as Lift control, CCTV and interaction with sensors and automation.

**INSTALLATION**

This system is based on IP drivers that can be installed in two ways:
- Using a single point network installation: it is possible to connect up to 2 doors directly to the central control unit and up to 40 more by adding corresponding expansion modules for RS485.
- Using the same installation but a multipoint network: in cases in which the doors are located in different buildings or cities, installing a central location.

The number of IP-Axes modules (central or expansion) are associated to licensing of management of doors. From a second module or unit, it will be necessary to purchase the corresponding license.

License of up to 10 doors.  
License of up to 80 doors.  
License of up to 840 doors.  
License of up to 40 doors.  
License of up to 140 doors.