ECLYPX
ACCESS CONTROLLER

Axcys Access Control System

Part of the Axcys Managed Facility Solution

Axcys Introduction

The first and primary method of "Active Security Solutions" is Access Control. The fundamental task and responsibility of any quality Access Control System, is to keep out those who should be denied entry/exit or have access rights limited to certain areas only . As part of this basic task is the responsibility to prevent those who manage to "tail gate in" from getting out.

To further enhance Axcys' Access Control, many other built-in features are included.   These provide the Facilities Owner/Manager/Operator with a completely configurable system to suit their particular needs and requirements. Features such as unlimited Time/Tenant Zones; unlimited Keypad/Location Zones, Anti-Pass Back and Anti-Pass In. Each feature increases your Facilities ability to provide specific Access Control.

Bespoke, Purpose Design

Each of Global 's products are bespoke, purpose engineered, specifically for both Managed and Reduced Management facilities of all kinds, utilized in even the harshest environments around the world.

Global Electronics offers several different Access Control solutions including Keypad models with options to enhance the security of the Tenants, and Facility. These include and All Metal Touchpad, VoIP Telephones, Intercom, High Resolution Cameras and Gate/Door Position Monitoring. Most interesting are Axcys' soon to be available, specialized WiFi that allows only those smartphones that have been *pre-approved* to work with a particular Facility or access point within the Facility to be used as a PIN Pad. Another is Axcys Request - a Web based Tenant Permission system designed to provide the ultimate Security Solution by completely eliminating "shared" PIN's.

Solutions wrap up

Axcys, by Global Electronics, provides the bespoke management systems needed and necessary, to solve these and other challenges! Customized, End-To-End control, is provided by Axcys' extremely flexible systems and systems software configuration. *You* are in control with unique systems configuration and management tools including continuous activity and event recording. The system is completely expandable and upgradeable, at any time, providing the ultimate in systems flexibility and protection of your investment. **Global has never discontinued a product** and designs new products to work in both existing and new facilities ensuring Backward and Forward compatibility. Thus, allowing our customers to leverage new technology as it becomes available or necessary.

With 20 years of direct experience identifying and solving these challenges, Axcys is The Solution for you!

● Real Time Reporting

Every action is recorded, no data is deleted.

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Since 1995

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All ExclypX Keypad Models feature

- Bespoke, Purpose Design by Global Electronics
- High Quality industrial grade components
- Fully user configurable feature sets
- Heavy Duty Powder Coated Painted Aluminum Case
- Gasketed Case Design provides superior weather resistance
- Extensive Surge and Lightning protection built in
- Modular design for easy upgrade and field servicability
- Illuminated Metal Anti-Vandal Touchpad for easy nightime use
- Audible and tactile user pushbutton feedback
- No double 'hitting'
- **BIG** high resulution 4 or 2 Line x 20 LCD or OLED display
- High visibilty backlit display for easy viewing day or night
- Optional Extra Bright, Ultra High Contrast OLED Display
- Fused dry-contact relays
- Multiple Communication mediums available
- Many options and Add-Ons available

Standard Programmable features

- Address
- PIN Masking
- Date Format   US or UK/EU
- Time Format US or UK/EU
- Touchpad 'feel'
- Relay Position Confirmation
- Display scroll timing
- Relay On-Time
- Communication Timing
- Unlimited user creatable keypad messages
- No "language chip" necessary

- Standard Messaging - more available
  - Greeting
  - Entry
  - Exit
  - Area
  - Hours
  - PIN
  - Access denied
  - Access approved
  - Door Open
  - Other

● Your Local Language

User defined remote messaging input and controlled by you, the owner and user. Languages and fonts supported include Russian and Eastern European.
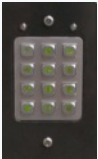
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Eclypx Keypad Models

	Eclypx E-9000 w/VoIP Option & Pin hole Camera	Larger case provides integrated options; in this example VoIP Telephone or Intercom Module, and/or Pin Hole Camera
	EclypX E-9000 w/Pin hole Camera	Larger case provides integrated options; in this case a Pin Hole Camera
	EclypX E-9000 w/OLED Display	OLED - Ultra Wide Temperature Range, world wide character display (all languages including eastern European/Russian) and Ultra HIGH Contrast makes this display option extremely attractive
	EclypX B-8000 w/Standard Display	Full featured standard keypad includes either Standard LCD Display or optional OLED display. Metal Touch pad Standard.
	EclypX B-8100 (Elevator/Lift) With Standard Display	Full featured Flat Panel keypad designed for elevator use or use where a protruding keypad is not desirable. Includes either Standard LCD Display or optional OLED display. Metal Touch pad Standard.
	EclypX B-8100 (Elevator/Lift) With Standard Display	Full featured Flat Panel keypad designed for elevator use or use where a protruding keypad is not desirable. Includes either Standard LCD Display or optional OLED display. Metal Touch pad Standard.
	EclypX P-7100 pico sized keypad	Very Tiny, Pico Sized Flat Panel keypad. Features sounds and Colored LED indicators. Fits inside of a USA standard electrical outlet box. Two colors available.
		Rubber Touch pad also available, but not recommend other than for extremely cost sensitive projects More Keypad/Touch pad options coming 1/2016

Eclypx Keypad Features and Benefits

Feature		Benefit
Never discontinued a product	√	Peace of mind - Global has never in 20 years discontinued one of its products
Bespoke Design	√	Designed expressly for this application.
Experience	√	Experience Counts! 20 Years providing specialized solutions!
Heavy duty, weather resistant, powder coated case, with security screws	√	Vandal, thief, weather and scratch resistant. Easy mount case. - standard on all keypads
Large, lighted display	√	Wide temperature, high visibility - standard part
Ultra-High Contrast OLED Display	√	Supports world wide fonts, all languages ultra wide temperature, ultra high visibility
Anti-Vandal Metal, Lighted Touch pad	√	Extremely long life, wear and vandal resistant
Touch, backlit Touch-Pad	√	No moving parts, backlit smooth surface - like a smartphone Available 1/2016
WiFi & Bluetooth Non-Internet Network	√	Facilitates smartphone use, and personnel tracing within the property. Available 1/2016
iOS and Android Apps	√	Allows a "no-contact" access control environment. Keep tenants in their vehicle, avoid adverse weather conditions and avoids goose neck "height" issues. Avail 1/2016
100% modular design	√	Future proofing and easy in-field, non-professional, maintenance, upgrading and repairs.
Perimeter Door Locking	√	Manages correct locking of perimeter door in conjunction with perimeter door status
Perimeter Alarm Interface	√	Controls the Shunting of Perimeter Door Alarm
Perimeter Door Alarm Monitoring Interface	√	Interfaces with recommended Alarm Panels
Interior Unit Alarming	√	Manages interior door alarming based on tenant keypad use
Perimeter Door Locking/Alarming User Programmable Override Parameters	√	Complete flexibility including Perimeter Alarm shunting, time based shunting, *time of day shunting, man trap - twin entry door control
Interior Door Locking/Alarming User Programmable Override Parameters	√	Each interior lock controlled space is monitored. If its door is opened without the Tenant first entering their code, the alarm is engaged
Door Position Check Before Lock	√	Proper unit operation management
Manages Multiple Units Per Tenant	√	Ease of access for Tenants
Suspended (Locked Out) Accounts work on Entry and Exit	√	Catches suspended Tenants even if they tailgate (follow) another Tenant inside.
Maintenance Personnel Codes	√	Provides tracability and user configurable access control for Management and Maintenance personnel.
Zone (area) access control	√	Provides an additional level of access control within a facility.
Unlimited Time Zones	√	Tenants may be assigned separate access From/To times as management sees fit
All Parameters fully adjustable	√	Management maintains complete control over how the system is used and how it allows/denies access everywhere
Keypad Door Position monitoring	√	Option enables Door Position monitoring/alarming Unlimited Door Position Record Keeping/Reporting
Unlimited Tenants	√	Allows facility growth
Unlimited Record Keeping	√	Records are limited, allowing report generation for any period or time

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The Axcys Security Management System

- **Bespoke, Purpose Designed**
All Axcys System Products are designed and manufactured by Global expressly for the the intended purpose.

- **Automated & Autonomous**
100% Automated Facility Control, Completely Integrated with Popular Rental Software.

- **100% Industrial Grade**
Highest Quality Design and Hardware For Demanding Critical Facility Control 24/7/365.

- **Facility Security Control**
Access Control - Unit Alarming - Roller Shutter Motor Control - Elevator Management - Perimeter Alarm Integration - Fire Control Integration -Gate Position Monitoring - Man Door Monitoring - Lighting

- **Web Enabled**
A unique combination of Internet flexibility without the reliance on Internet Availability!

- **Facility Perimeter Security**
Integrates with Perimeter Alarm and/or Fire Panel

- **Facility Graphics**
Active Visual Facility Notification

- **Expandable and Up-Gradable**
Expandable as Your Facility Grows - Up Gradable to include most new products

- **Multi Platform**
Available in your choice of Linux or Windows Models.

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Axcys System Features and Benefits

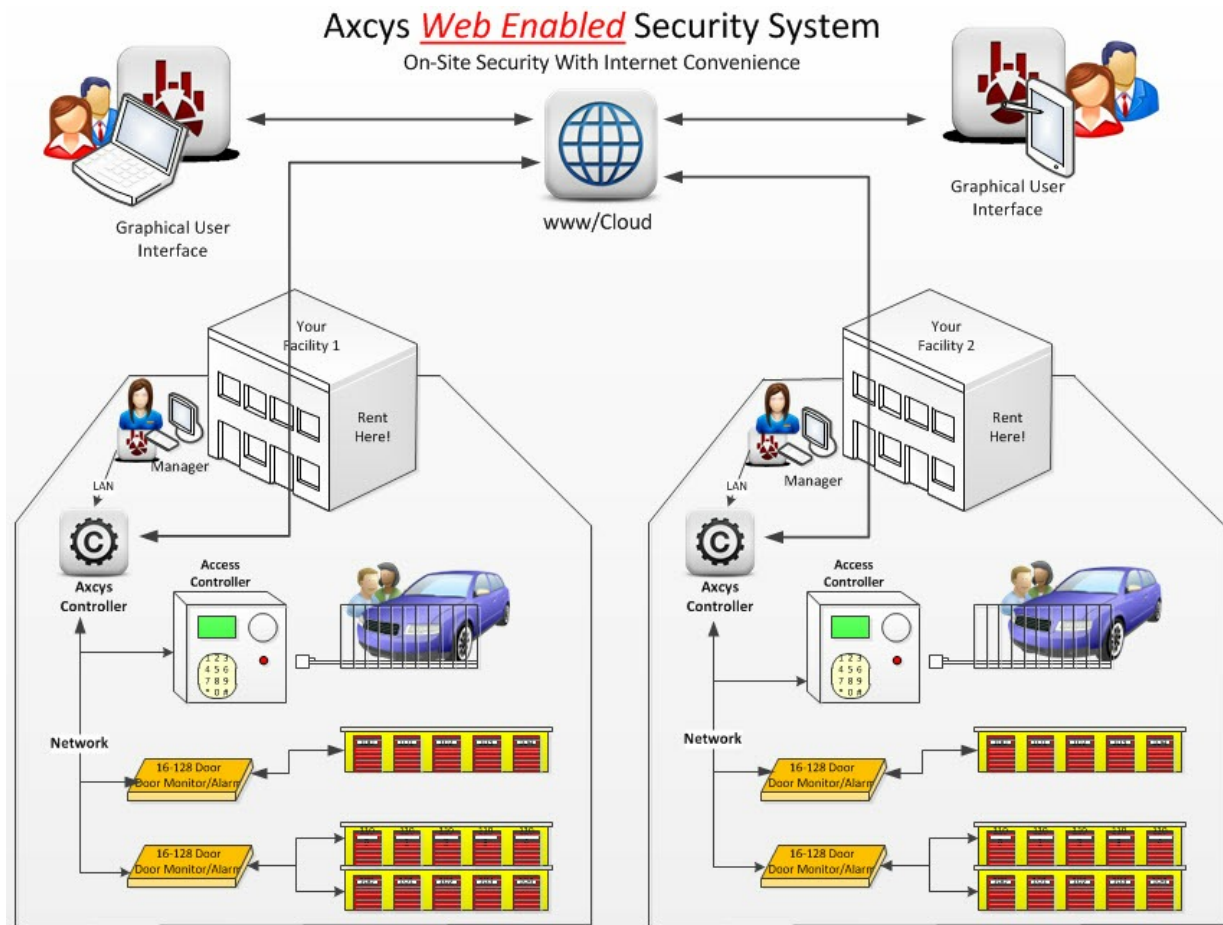| Feature		Benefit
Never discontinued a product	√	Peace of mind - Global has never in 20 years discontinued one of its products
Bespoke Design	√	Designed expressly for this application.
Experience	√	Experience Counts! 20 Years providing specialized solutions!
Redundancy	√	Optional power systems
Data Preservation	√	No data is ever deleted. There is no maximum amount or time limit
Real-Time Data Streaming	√	Streaming from Controller on-or-off site graphics and work stations
Monitoring	√	System monitoring similar to commercial alarms - 1/2017
Multi-Facility Monitoring	√	Allows a central location/facility to monitor and manage more than one property
Simultaneous Multi-Facility Monitoring	√	Allows simultaneous multi-property management
Centralized Control Center	√	Control room style allows a central location to monitor many facilities simultaneously
Electronic Locking	√	Axcys locking system combines the best of a centralized control with a distributed control system. Reduces cost, complexity, wiring, installation and maintenance costs. Uses locks not made by Global.
Perimeter Door Locking	√	Manages correct locking of perimeter door in conjunction with perimeter door status
Perimeter Alarm Interface	√	Controls the Shunting of Perimeter Door Alarm
Perimeter Alarm Monitoring Interface	√	Interfaces with recommended Alarm Panels
Interior Unit Locking	√	Unlocks and locks interior doors based on Tenant Entry attempts
Interior Unit Alarming	√	Manages interior door alarming based on tenant keypad use
Perimeter Door Locking/Alarming	√	Works with alarm panel and monitoring
User Programmable Override Parameters		Complete flexibility including Perimeter Alarm shunting, time based shunting, *time of day shunting, man trap - twin entry door control
Interior Door Locking/Alarming User Programmable Override Parameters	√	Each interior lock controlled space is monitored. If its door is opened without the Tenant first entering their code, the alarm is engaged
Door Position Check Before Lock	√	Proper unit operation management
Manages Multiple Units Per Tenant	√	Ease of access for Tenants
Automatic Account Suspension	√	Forces past due Tenants to pay their bill, or forfeit the contents of their unit
Suspended (Locked Out) Accounts work on Entry and Exit	√	Catches suspended Tenants even if they tailgate (follow) another Tenant inside.
Maintenance Personnel Codes	√	Provides tracability and user configurable access control for Management and Maintenance personnel.
Zone (area) access control	√	Provides an additional level of access control within a facility.
Unlimited Time Zones	√	Tenants may be assigned separate access From/To times you see fit
All Parameters fully adjustable	√	Management maintains complete control over how the system is used and how it allows/denies access everywhere
All actions recorded into Database for reporting	√	Enables Summary and Detailed report generation without time restrictions. Data may be manipulated for many different uses.
Unlimited Door Lock Record Keeping/Reporting	√	Enables Door Lock Command Summary and Detailed report generation
Unlimited Door Position Record Keeping/Reporting	√	Enables Door Position Summary and Detailed report generation.
Unlimited Tenants	√	Allows facility growth
Unlimited Record Keeping Time	√	Records are not time or space limited, allowing report generation for any period from the time the system is installed
Multi-Facility Monitoring	√	Allows a central location/facility to monitor and manage more than one property
Simultaneous Multi-Facility Monitoring	√	Allows simultaneous multi-property management

Overview

Axcys Facility Security Management System Controller is the high performance, Automated and Autonomous Electronic Control Center designed to manage Tenant and visitor movement and accessibility *in*, *out* and *within* your Self-Storage Facility 24 hours a day, 7 days a week, 365 days a year.

This platform, features enterprise class reliability, available integration with your Property Management System, Elevator Control, Perimeter Alarm panel and Fire Panel - resulting in a complete Facility Security Management System.

Our engineers pre-configure the Controller so that it is tailored to meet the needs of your specific Facility - right out of the box. Your choice of Axcys Software is installed and system tested; facilitating rapid installation in new, or retrofit environments - Enterprise class.

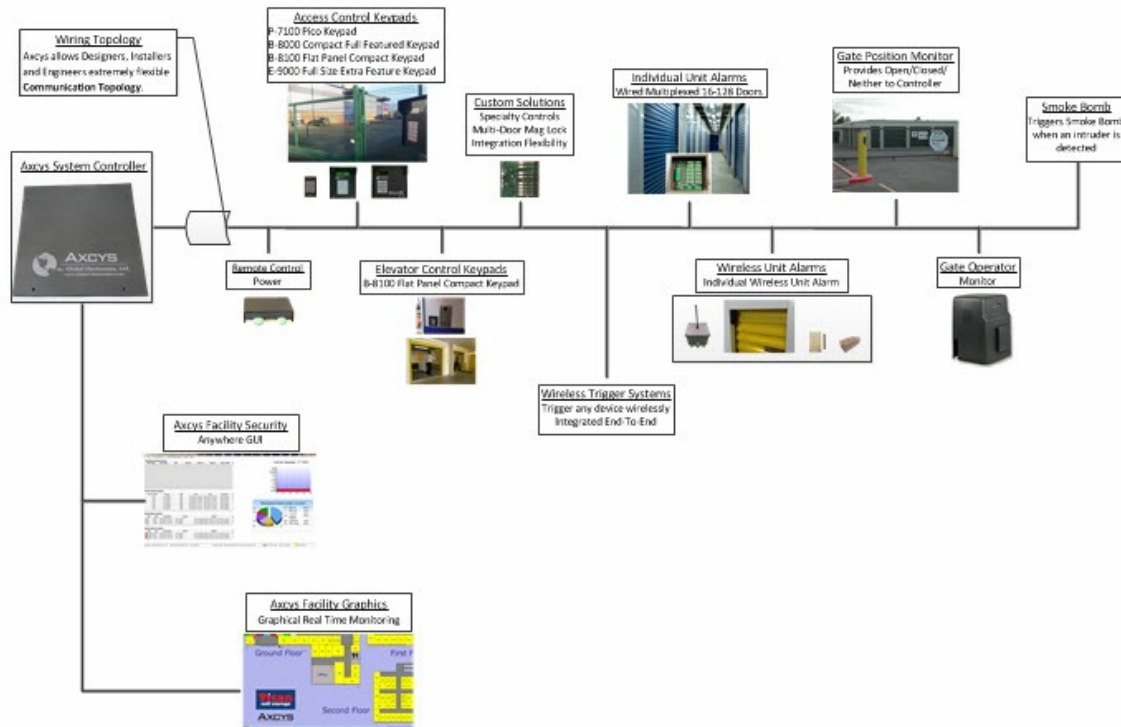**Global Electronics, Ltd.**
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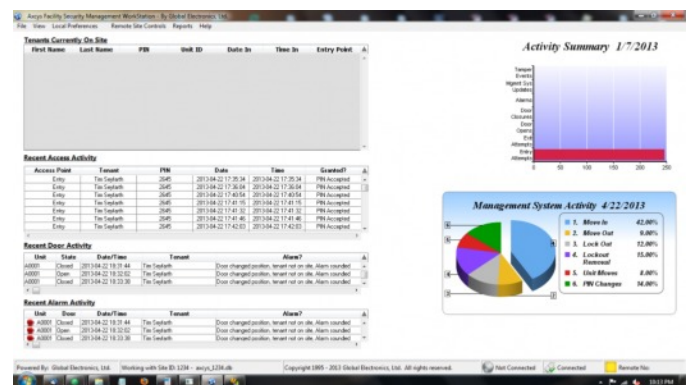by Global Electronics, Ltd.

End-To-End Systems Integration

The Monitored, Managed and Controlled Facility

Modern Self-Storage facilities feature many active and passive access points and portals in their labyrinth of buildings, floors, hallways and units. These may include Entry Gates, Exit Gates, Elevators, Roller Shutter Doors, Man Doors and Unit Doors. The Axcys Facility Security Management System is designed to incorporate these systems to provide feedback, in *real-time,* for the control, monitoring and security of the Self-Storage Facility.

There are many ways to implement controlled access and/or monitoring of these access points and portals. Axcys Facility Security Management System covers them all! Designed to efficiently and effectively support an unlimited number of monitoring and control devices from a single Facility Security Management System Controller, real time access control, monitoring and feedback to Tenants, Visitors and Managers is provided.

Incorporating modern software, developed by Global expressly for Self-Storage, provides managed communication with unlimited Remote Devices such as Keypad Access Controls, Multiplexed Alarms, Wireless Alarms and other devices.   Specialty devices provide confirmation of facility workings - such as Timing Devices and the Gate Monitor that detects when the gate is open, closed or in between.

Axcys GraphicX completes the Facility Security Management solution by providing a control room of visual means for the Facility Management team and Tenants.

About Global Electronics, Ltd.

Global Electronics, Ltd., established in 1995, is a privately held Arizona Corporation. Our facility is located in Chandler Arizona at 500 N 56th Street, Suite 15, Chandler Arizona 85226. The company was founded as a Contract Manufacturer, manufacturing a wide variety of products to customers which in addition to IBM, Intel, and IPEC, included the then, largest supplier of Access Control and Alarm Systems to the Self Storage Industry -Mini Storage Technology Corporation (MSTC).

Due in large part to MSTC's lack of a continuous improvement program and lack of technical resources within its organization, Global quickly became the "go to" resource for owners of MSTC equipment. This coupled with Globals, history of working with World Class organizations, introduced in 1998 the Axcys product line. The Axcys line of products was created with the specific goal of providing existing MSTC users a means to inexpensively upgrade,keypad and alarm components, in a mix and match; as-necessary philosophy. From that point forward to today, Global still allows for backward compatibility providing a very low costs means for users to upgrade and/or replace their aging or broken equipment.

To this day, *Global continues its philosophy of not discontinuing any of its products*, and still maintains solutions to support users of MSTC electronic devices throughout the world.

Since Global began designing marketing its Axcys Product line, many new products have emerged from the Global 'skunk works' specifically targeting the needs of the Self Storage Industry. Most notable is our Axcys Security Software, Patented e-LocX - Globals Electronic Door Overlocking System and our Wireless Retrofit Individual Unit Alarm and well as many other unique product solutions.

Global, unlike many of its competitors in the Self Storage Industry, performs most all design, development and manufacturing operations within its factory. Design of all types including hardware, software, electronic and mechanical are all performed within our plant by highly skilled and experienced personnel. Global's manufacturing facility has been organized to effectively manufacture all of its products in a very efficient manner. This allows Global to provide its customers with a very high quality products at a very competitive price. Further, having all aspects of manufacture under our direct control, engineering can quickly produce prototypes, monitor the production quality of every product at every stage of manufacture!

Global has invested heavily in manufacturing technology and has partnered with some of the finest Arizona based suppliers and other US companies. These include specialty metal fabrication, paint, and technology companies such as Atmel and Silicon Labs.

Global is committed to design, manufacture and assembly in the United States.

US Headquarters

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Harrow, Middlesex, HA1 4HX

Property: Secur Self Storage
Location: Hamburg Germany

Units	1645
Floors	6
Elevators	2
Keypads	5
Muxes	17

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