P2000 Security Management System

MAKING THE CASE FOR SITUATIONAL AWARENESS

Johnson Controls

UNLOCK THE DOOR TO INTEGRATED SECURITY MANAGEMENT

Managing all of a facility's disparate security systems can be a daunting task, especially during an incident. Moving from system to system trying to assess the problem can cost valuable time. P2000's advanced situational awareness features can take many of the separate systems that your company uses and bring them together to give you a single overall picture of your building's security. Starting with powerful, native access control you can add intercoms, elevators, intrusion detection, video surveillance, and more, managing them all from P2000.

P2000 doesn't just receive alarms from integrated systems, it can also react to them. Complex interactions between separate systems can be managed by P2000, such as an alarm from an intrusion system in an area activating local lighting through the building management system, and bringing specific cameras to the forefront on the video security system. All of this is done without the user having to lift a finger. That's the power of P2000.

PERSONALIZED SECURITY SOLUTIONS

Johnson Controls knows that no two installations are the same. P2000, available in three editions, has the right solution for every installation size, from just a few doors to thousands. Building on these easy to use, core access control components, P2000 has many optional integrations and components that let you expand the system to meet your needs. It can utilize equipment from dozens of manufacturers. Add integration to *Metasys*® building automation systems or one of the many supported video management systems. Intrusion, intercom, elevator access control and more are available as well. P2000 lets you design and manage your security system the way that makes sense for your business.

Access Control

Control access to any area using standard access control hardware. P2000 can interface to door locks, turnstiles, and even gates.

Building Automation

Use P2000's powerful *Metasys* integration to increase efficiency and lower costs. P2000 and *Metasys* can share information to know which areas of your building are occupied and adjust resources, such as HVAC and lighting, to conserve energy and save money.

Elevator Control

P2000 can control elevator car and floor access for several manufacturers using high-level, direct communications with the elevator control system.

Intercom

Use P2000's intercom integration to communicate with security personnel and building occupants.

Fire and Life Safety

Interface with fire and life safety systems to monitor alarms in P2000.

Video Security

Integrate with several vendors to control video systems and share alarms. Use video to trigger actions or as part of an action in P2000.

Intrusion Detection

Receive information from intrusion detection systems and sensors such as glass break and motion detectors to know if an intruder has entered your secure areas. P2000 can even arm and disarm these systems.

And More

In addition to high-level integrations, P2000 is able to receive alarms through controller inputs and control devices through outputs.

INTUITIVE INTERFACE OPTIONS

P2000 has two new ways to keep an eye on your security – An advanced web-based user interface and a collection of mobile applications. Both of these easy to use interfaces let users accomplish tasks and respond to concerns without getting in the way.
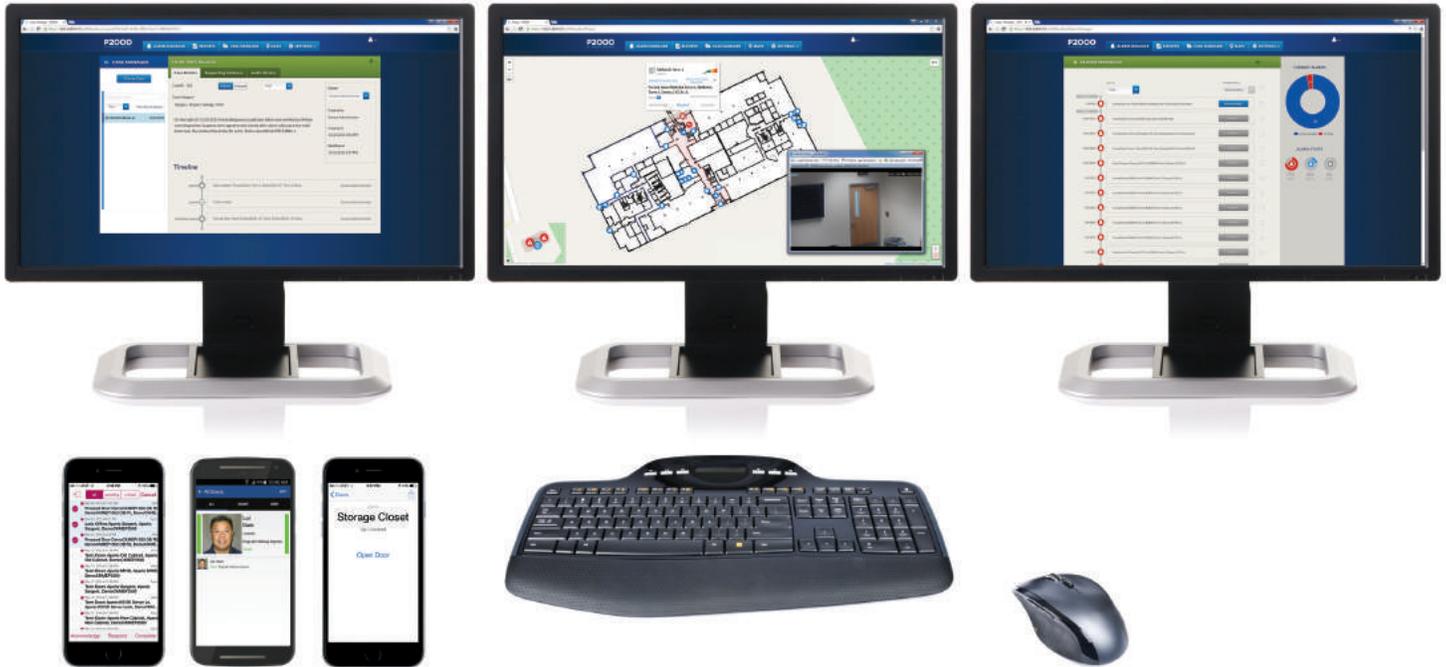
Multi-Tenant Database Partitioning

P2000 is great for multi-tenant sites. Using the superior permission options of P2000, each tenant can control their own areas as if they had their own independent system, such as managing cardholders, access rights, and viewing alarms, without affecting other tenant's areas. Not only does this provide a significant benefit to the tenant, but it also frees the building management from managing the day-to-day operations of each tenant's needs.
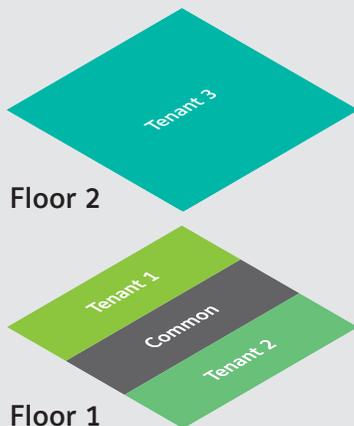
Advanced Web-Based User Interface

Available as individual modules or as a full situational awareness suite, the advanced web-based user interface gives users a powerful way to view the overall status of their site's security and manage incidents from any supported web browser. Alarm Manager makes it easy for a P2000 user to view and respond to alarms and shows a dashboard of current alarms and alarm states. Maps allows operators to view and control system components from Geo-located maps, making it simple to move directly to alarm locations and make informed decisions. And if something does occur, Case Manager keeps all of the data pertaining to an incident in one organized location.

Mobile Applications

Complementing the web-based user interface are three mobile applications available for Google® Android® and Apple® iOS™ mobile devices. Similar to Alarm Manager, the Alarms mobile application lets users on the go view and respond to alarms. Users can show all alarms or filter the list of alarms by pending or critical alarms. The Door Control mobile application lets users control doors while they are away from their desks. Users can lock, unlock, and lock or unlock doors for a duration of time based on their permissions. To make the process of controlling doors even easier, Door Control lets users give doors a custom name and save frequently used doors to a favorites list. The ID Viewer application lets users view the cardholder activity of a door to see who has been granted or denied access. Users can view a single door, groups of doors, or all doors depending on their permissions. Users can also filter activity by access grants and denies.

OPEN HARDWARE SUPPORT

P2000 supports a multitude of access control hardware from a number of physical security providers. This lets you leverage some or all of the hardware you already own such as controllers, interface modules, readers and electronic locks. This can provide a faster, more cost effective way to upgrade to P2000 without the need to replace existing infrastructure.

Johnson Controls CK721-A and S321-IP Access Controllers

The CK721-A and S321-IP are smart, powerful, and robust access controllers designed for P2000. Some features are only available with the deep integration with these controllers.

The S321-IP is a two-door access controller that can be used stand-alone, or as part of a larger P2000 system. It features all the standard inputs and outputs required for two separate doors such as readers, door position sensors, exit devices, and lock power switching. The S321-IP can also be used as an network-based input/output device.

The CK721-A is a powerful access controller capable of controlling up to 64 doors. It has no on-board door control, and instead uses RS-485 connected 2 and 8 door reader modules or input/output modules. The CK721-A also interfaces to several elevator systems for high-level integration.

Johnson Controls Authentic Mercury Access Controllers

The Authentic Mercury CKM-EP Series access controllers are powerful, expandable, and open platform devices. These controllers also feature integrated intrusion detection control. P2000 also supports migrating your previously purchased Authentic Mercury EP-Series access controllers from other access control manufacturers, leveraging your security investment.

The CKM-EP1501 supports 17 doors with single door control on-board. It communicates with Authentic Mercury reader modules and input/output modules as well as Assa Abloy® Aperio® and Schlage® AD-Series devices over a single RS-485 port. The CKM-EP1501 is also power over Ethernet (PoE) capable and can be mounted in a standard three-gang electrical box.

The CKM-EP1502 supports 64 doors with control for two doors on-board. It communicates with Authentic Mercury reader modules and input/output modules as well as Assa Abloy Aperio devices over a single RS-485 port.

The CKM-EP2500 is a 64 door access controller with no on-board door control. It communicates with Authentic Mercury reader modules and input/output modules as well as Assa Abloy Aperio and Schlage AD-Series devices over two RS-485 ports allowing for more diverse installations.

HID® Edge EVO® Access Controllers

HID access controllers are open-platform, single-door, PoE access controllers designed to provide decision making near to or at the door. These controllers use Hi-O® modules to provide additional functionality. Various models are available depending on credential, input/output, and secondary reader support. Some models feature integrated readers. P2000 also supports previous generation HID Edge® controllers.

Intelligent Lock Systems from Assa Abloy and Stanley®

P2000 Supports two intelligent lock systems for decision making at the door without complicated wiring. The Assa Abloy system uses Wi-Fi or wired PoE locks that communicate over standard network infrastructure. The Stanley Omnilock® and Wi-Q™ locks use a special wireless portal gateway to communicate.

BUILT WITH IT IN MIND

Today's modern security management lives in an IT world. Johnson Controls understands that. That's why P2000 addresses the concerns that IT administrators have when adding security to their infrastructure.

Runs on Standard Microsoft® Platforms

P2000 also runs on standard Microsoft® Windows® platforms and SQL Server® databases. This gives you the choice of using security optimized servers and workstations from Johnson Controls or hardware that you already own.

Active Directory and LDAP Authentication Support

P2000 lets IT administrators leverage their existing user profiles for P2000 workstation single sign in

Distributed Database

The P2000 application server and database can be installed on separate physical or virtual machines allowing for better system performance and increased data storage.

Archive and Report Server

The archive and report server option allows up to 30 years of data retention and more powerful reporting options for multiple P2000 servers.

POWERFUL CAPABILITIES

Configuration and Integration Capabilities

- **Enterprise Integration**
  - Open APIs
  - ODBC SQL database
  - Email setup via SMTP

- **Building System Integration**
  - Video surveillance integration
  - Elevator/lift integration
  - Intercom integration
  - Intrusion integration
  - Metasys system integration

- **High-Availability**
  - Enterprise regional server architecture
  - Fault tolerant & fail-over redundancy
  - Virtual environments

- **System Permissions**
  - Complex password requirements
  - Active Directory and LDAP authentication
  - User permissions
  - Database partitioning

- **Usability**
  - Computer, web, and mobile clients
  - Built-in animated tutorial
  - Language translations

Identity and Cardholder Management

- **Identity Information Management**
  - HR system integration
  - Visitor management
  - Custom card format creation
  - US Federal Identity, Credential, and Identity Management (FICAM) approved

- **Video Badging**
  - Badge design and image capture
  - Printing & encoding
  - Auto badge number management

- **Access Privilege Management**
  - User-definable approval process for cardholder modifications
  - Maximum inactive period
  - Badge temporary access

- **Compliance Management**
  - FDA 21 CFR Part 11 electronic records, electronic signature validation
  - Robust reporting

Alarm and Event Management

- **Access Control Policy Enforcement**
  - Security threat level control
  - Elevator access control
  - Cabinet access control

- **Situational Awareness**
  - Interactive real-time maps
  - Area management
  - Guard tour tracking

- **Alarm Handling**
  - Alarm prioritization
  - Predefined alarm response text
  - Alarm escalation

- **Incident Management**
  - Case creation direct from alarms
  - Attach case documents, images, and videos
  - Export case to PDF

COMPLETE
LIFECYCLE SUPPORT

Johnson Controls delivers products, services and solutions that protect people, secure assets and lower operating costs in buildings for more than one million customers across the globe.

Working with clients and suppliers around the world to design and implement solutions that deliver simplicity of operation, enhanced effectiveness and cost-effective protection to customers like you is what we do.

We offer a comprehensive approach to creating and delivering safety and security solutions tailored to your specific needs, including fire and smoke detection, access control, video surveillance, perimeter protection, emergency response and master planning.

Operating from hundreds of local branch offices in more than 150 countries, we are a leading provider of equipment, controls and services for heating, ventilating, air-conditioning, refrigeration and security systems.

And all of that expertise and knowledge is ready to help you.

Professional Services

The Johnson Controls Professional Services team can help when additional custom features or non-standard integrations are needed providing a truly custom experience. The team also provides many on-boarding services such as cardholder database conversion from other access control providers as well as from HR and IT systems reducing the risk of errors and time required to commission the system.

Software Support Agreements

Our software support agreement maximizes your system's uptime and greatly reduces the risk of downtime or system failure with the highest level of support. Software support agreements allow access to new software versions as they are released, giving your system the latest features and benefits as they are introduced without the need to purchase software upgrades.

Planned Service Agreements

A planned service agreement will help ensure the safety of your people and products by providing regular service and maintenance of your system. No two customers have the same service needs. Johnson Controls can develop a planned service program built around your specific security & safety requirements, keeping your systems performing at optimum levels with a combination of predictive and preventative maintenance services.

CONTACT US TODAY!

Visit us on the web at www.johnsoncontrols.com/security or email us at be-security@jci.com.

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