



# P2000

Security Management System

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## Software Release Notes

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PRELIMINARY

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PRELIMINARY

# P2000 VERSION 3.11 SOFTWARE RELEASE NOTES

## INTRODUCTION

Johnson Controls, Inc. announces Software Release 3.11 for the Cardkey P2000 Security Management System.

Release 3.11 includes the following new functionalities:

- Support for configuring KONE IP Elevators controlled by CK721-A v3.1 or higher.
- Support for encrypted communications with CK721-A v3.1 or higher.
- Added feature to hide selected UDF values on a per-operator basis.
- All real time messages from server to services and workstations are now encrypted with AES encryption with a 256-bit key.
- Support for attaching files to Cardholder Journal entries.
- Support for setting RF channels for OSI Panels and Terminals.
- Support for the following DVRs:
  - Rapid Eye version 10.7
  - OnSSI version 6.0
  - Pelco Endura version 2.0
- Added Auto Employee ID feature for new cardholders.
- Support for Assa Abloy intelligent controllers.
- Support for Commend Intercom.

Other enhancements to the P2000 software include the following:

- Modified installation to use new log file "P2000Install.log."
- Modified OSI Interface to allow two badge formats to be configured in the OSI Facility.
- Allowing display of which operator last edited a Cardholder, Badge, or Journal entry and at what date and time.
- Modified HID Interface so that HID controllers understand Access Groups.

- Modified System Config to ask which partition to move items to when deleting a partition.
- Added new Host Event Actions of “Doors - Unlock All Doors On Panel” and “Doors - Lock All Doors On Panel.”

## General Information

### **P2000 Packages**

The following P2000 packages are available:

- P2000 server package (hardware and software)

The package includes the operating system, SQL Server (if required), and P2000 prerequisites/software, as well as user documentation and the P2000 tutorial.

- P2000 workstation package (hardware and software)

This package includes a workstation with hardware and software configured and installed at the factory. The operating system and P2000 prerequisites/software, as well as user documentation and the P2000 tutorial are also provided.

Although the workstation comes pre-loaded with software, end user may be required to change the system Server name, if other than “P2000.”

- P2000 software only package

This package includes the P2000 prerequisites/software, as well as user documentation and the P2000 tutorial. The end user must supply the operating system and the SQL Server (if required) and perform the installation.

- P2000 software upgrade package

This package includes the P2000 prerequisites/software, as well as user documentation and the P2000 tutorial. The upgrade is performed by the end user.

The P2000 Prerequisites DVD contains the Microsoft® SQL Server® 2005 Express Edition and majority of updates available from Microsoft at the time of the release. Newer updates may be available on the Internet at the time you perform the installation. It is recommended that you use the latest updates available.

The same P2000 software DVDs are used to install the P2000 prerequisites and software on the P2000 server and on the P2000 workstations.

### **System Configuration**

The P2000 Security Management System operates in a client-server architecture. You must install P2000 software on the system server prior to installing it on the system workstations.

The P2000 software version 3.11 can be used on server/workstations with one of the following operating systems:

	SQL Server 2005	SQL Server 2008	SQL Server 2008 R2	SQL Server 2005 Express
<b>Windows Server® 2003</b>	Yes	Yes	Yes	Yes
<b>Windows Server 2003 R2</b>	Yes	Yes	Yes	Yes
<b>Windows Server 2003 Enterprise</b>	Yes	Yes	Yes	Yes
<b>Windows Server 2003 R2 Enterprise</b>	Yes	Yes	Yes	Yes
<b>Windows Server 2008</b>	Yes	Yes	Yes	Yes
<b>Windows Server 2008 R2</b>	Yes	Yes	<b>Yes**</b>	Yes
<b>Windows Server 2008 Enterprise</b>	Yes	Yes	Yes	Yes
<b>Windows Server 2008 R2 Enterprise</b>	Yes	Yes	Yes	Yes
<b>Windows Server 2008 Foundation</b>	Yes	Yes	Yes	Yes
<b>Windows Server 2008 R2 Foundation</b>	Yes	Yes	Yes	Yes
<b>Windows XP® (workstations only)</b>	N/A	N/A	N/A	N/A
<b>Windows Vista®</b>	Yes	Yes	Yes	Yes
<b>Windows Vista Ultimate</b>	Yes	Yes	Yes	Yes
<b>Windows 7***</b>	Yes	Yes	Yes	Yes

\* The SQL Server Express Editions have limited performance and database size, and should only be used for small P2000 systems.

\*\* Recommended platforms.

Be sure to choose the appropriate operating system for the P2000 server. Small P2000 systems can use Microsoft Windows Vista (a desktop version of Microsoft Windows) for the server, but medium and large P2000 systems should use a server version of Microsoft Windows (Server 2003 or Server 2008). Microsoft licensing for its desktop versions of Windows limits the number of client computers to five or less.

P2000 software can operate with either Express or Standard editions of SQL Server. Small P2000 systems can use the Express version of SQL Server, but medium and large P2000 systems should use the Standard edition. The Standard version of SQL Server has significant performance enhancements over the Express version, which is very important to P2000 system performance on larger systems. Also note that the Express version of SQL Server has a maximum database size limit of 4 GB.

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**NOTE**

*The P2000 server should be used as a dedicated server for the P2000 Security Management System. The software installed on the server should be limited to the Microsoft Windows operating system, SQL Server, and the P2000 software. If you wish to install and run other 3rd-party applications, please contact a Johnson Controls® Technical Support specialist for assistance.*

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## Important Notes When Loading Software

For detailed information on loading P2000 prerequisites and software, refer to the *P2000 Server/Workstation Software Installation Manual*.

In addition, there are several considerations to be taken into account when upgrading to P2000 version 3.11 from an earlier version, or when *re-installing* the P2000 version 3.11 software on the same system. For those customers who are presently running the P2000 software and wish to upgrade to version 3.11, the *P2000 Server/Workstation Software Installation Manual* provides a detailed description of how to upgrade the P2000 software.

If you ordered a complete system, the server has been pre-loaded and tested. It is not necessary to load any software on the server. The P2000 installation CD is also used to load the P2000 software on workstations attached to the server on the LAN/WAN.

If you are loading a server yourself, starting with the operating system, it is strongly suggested that you read through the *P2000 Server/Workstation Software Installation Manual* before you begin.

### **P2000 and DVN Software Installation**

When installing the P2000 and DVN software on the same machine, install SiteManager first. If you already have the P2000 software installed and add SiteManager afterwards, re-install P2000 to ensure proper operation.

## Registration of P2000 Software and Options

All P2000 systems require a Registration Key. If your P2000 system also includes one or more options, you will also need Option Key(s).

For detailed information on how to obtain and use the Registration Key and Option Key(s), refer to the *P2000 Server/Workstation Software Installation Manual*.

### **If this is a new installation:**

After P2000 software installation, e-mail Johnson Controls for a Registration Key at **software.manufacturing@jci.com** and then enter it into the system. If you do not enter the Registration Key, the communication between the server and the panels and workstations will terminate on the 10th day after the initial installation.

If your P2000 system also includes one or more options, you will also need to request and enter Option Key(s).

**If you are performing an upgrade installation:**

Before you begin the installation upgrade, e-mail Johnson Controls for a Registration Key at **software.manufacturing@jci.com**. You will need to enter it during the upgrade procedure.

If your P2000 system also includes one or more options, you will also need to request and enter Option Key(s).

P2000 version 3.11 supports the following Option Keys (in addition to the Option Keys, some options require components to be selected during the P2000 software installation):

P2000 version 3.11 supports the following Option Keys:

- Aritech Intrusion
- Assa Abloy Panels
- Bosch Intrusion
- Change Tracking (FDA)
- Cardkey Legacy Serial Panels
- Cardkey S321 Serial Panels
- Commend Intercom
- Enterprise
- Fire Alarm Panel Interface
- HID Controllers
- Isonas Controllers
- SmartSight DVRs
- OSI Panels
- Otis Compass Elevator
- P900 Panels
- SIA Interface
- Zenitel Intercom

DVRs:

- Genetec
- Loronix
- Milestone
- Nextiva
- Nice
- OnSSI
- Panasonic
- Pelco XPortal Endura

- Pelco XPortal DX8100
- Rapid Eye
- SmartSight

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**NOTE**

*The Installation Key and Option Keys are connected to the hardware, and therefore a computer failure could result in having to request a new license.*

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## PROBLEMS FIXED IN VERSION 3.11

[ PENDING ]

## LIMITATIONS AND KNOWN PROBLEMS IN VERSION 3.11

The following constraints and problems have been reported with the P2000 version 3.11 software and will be addressed in a subsequent release of the software.

[ CHANGES MAY BE PENDING ]

### *AV Player*

**Description:** The nudge factor associated with the movement control square does not work correctly when used for PTZ cameras connected to the Panasonic ND300 DVR. (DCS 15865)

**Workaround:** None.

**Description:** When launched from Alarm Monitor, AV Player shows live video instead of the stored video. This only occurs when the alarm options for the alarm have a specific AV Channel configured. This problem does not occur for alarms that map to a camera by a Input To Camera mapping.

**Workaround:** None.

### *DVR Integration*

**Description:** AV Service may not reconnect to a DVN after the DVN is power cycled or rebooted. (DCS 18677)

**Workaround:** None.

### *DVR Integration: DVN 5000*

**Description:** DVN 5000 alarms that are not camera-specific (for example, "Disconnected camera detected," as opposed to camera-specific alarm "Camera 1 disconnected") cannot be used to trigger events in P2000. (DCS 18451)

**Workaround:** None.



**DVR Integration: OnSSI**

**Description:** The exported video playback clip is 1.5 times slower than normal video play back speed (both in Ocularis Client and P2000 AV Player). (DCS 19793)

**Workaround:** None.

**DVR Integration: Pelco Endura**

**Description:** Pelco Endura DVR will not work with P2000 if that computer ever had an earlier version of P2000 installed and configured to use Pelco DX8100 DVR.

**Workaround:** Use Regedit and set the following registry key to zero:

```
HKEY_LOCAL_MACHINE>Software\
JohnsonControls\Pegasys\Installation\
PelcoDX8100Codecs
```

**Global Entry/Exit Status Synchronization**

**Description:** When you enable this feature, the Global Entry/Exit Status Synchronization settings do not take effect until the P2000 services have been restarted. (DCS 16212)

**Workaround:** Restart the following P2000 services:

- P2000 CK720 Download Service
- P2000 CK720 Priority Service v1.0 (optional)
- P2000 CK720 Priority Service v2.1
- P2000 CK720 Upload Service
- P2000 P900 SIO Handler Service
- P2000 S321 SIO Handler Service
- P2000 SIO Handler Service

**P2000 Express**

**Description:** When upgrading a P2000 Express to a full version of P2000, the old P2000 Express desktop icon may be left.

**Workaround:** Delete the P2000 Express icon.

**Description:** When upgrading a P2000 Express to a full version of P2000, not all services may be set to auto-start.

**Workaround:** Edit the Service Startup Configuration.

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