

# TAC I/NET™ Seven

Integrated Building Control



A COMPREHENSIVE INTEGRATED BUILDING CONTROL SOLUTION

- Integrated HVAC, Digital Video, Lighting, and Access Control
- Full Graphical User Interface
- Demand Control and Load Shedding
- Consumption Reporting
- Online and Offline Editing
- Comprehensive Time Scheduling
- Shift Management and Control
- PID Control Including Precision Control
- Predictive Optimized Start and Stop
- High Resolution I/O for Precision Monitoring and Control
- Multi Tenant System, 255 Tenants, greater than:
  - 6,000,000 Card Holders
  - 200,000 Door Capacity
  - 1,500,000 I/O Capacity
- Permanent & Temporary Schedules
- Event Sequencing
- Access-Initiated Control
- Transaction/Alarm Routing
- Audit Trail Reporting
- Elevator Control
- Integrated Lighting Control
- IT-Friendly
- Integrated Video Badging
- 5,000,000 Online Events
- Full Anti-Passback - Hard, Soft, Graced
- Configurable Password Protection
- Follow Me Workstation Defaults
- Supervised Data Input
- Visitor Management
- Database Security & Encryption
- Industry-Standard SQL Database
- Independent Alarm Client
- Multiple Cards Per Individual
- User-Defined Card Formats
- Recycle Bin for Tenants, Groups, Individuals
- Dynamic Event and Alarm Filters
- Multiple Alarm Presentation
- Image Verification
- Extensive Toolbar Selection
- Super Groups
- Drag & Drop Capability
- Tree Architecture Navigation
- ASCII Interfaces
- Downloadable Binary Files
- Search/Find Editor
- Network Status Bar
- Graphic Button Macro Capability
- Controller Memory Expansion
- Windows View Settings
- Reporting with SevenReports (Crystal Reports)

# Powerful, Reliable ... Simplified

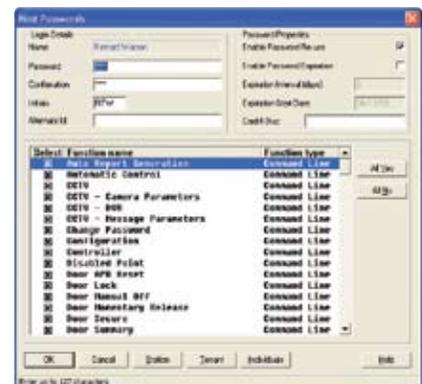
TAC I/NET Seven is a powerful, integrated building control solution with features that make your systems easy to install, operate, integrate, expand, and maintain – throughout the life of your facilities.

## RELIABLE CONTROL

TAC I/NET Seven's unique distributed architecture maximizes the reliability of your system, increases system security, and cost-effectively scales to meet your specific needs.

File equalization reliably synchronizes multiple workstations, reducing load and dependency on a single PC or server. Flexible password functionality and custom operator settings allow you to limit access to data and control functions on a need-to-know basis.

TAC I/NET Seven provides and supports many networking and administration tools commonly used by IT departments.



TAC I/NET Seven supports standard and current Microsoft® operating systems for ease of use, performance, and trusted networking functionality.

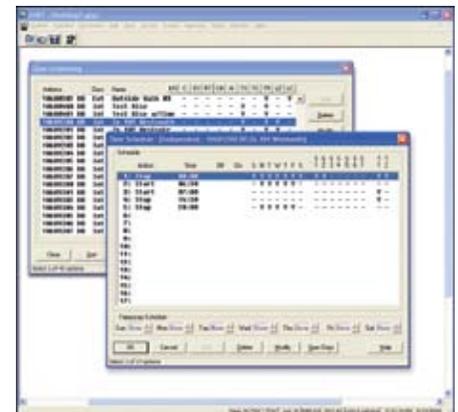
## POWERFUL CONTROL

Control HVAC for improved comfort. Reduce your energy costs and optimize the environment of your facility with TAC I/NET Seven's comprehensive HVAC control. In addition, TAC I/NET Seven's innovative architecture provides an economical solution for small buildings, high-rise, and campus facilities alike.

**Demand limiting.** Manage demand and shed load to reduce both energy costs and stress on your equipment while maintaining a comfortable environment.

**PID control.** Highly configurable, self-adapting, self-tuning PID algorithms provide state-of-the-art control functionality.

**Automatic time scheduling.** Easily configure a full year of time schedules, including holidays and special days.



**Predictive start-stop.** Pay for heating or cooling only when you need it.

**High resolution I/O.** For cost-effectiveness and precise control, few products can beat TAC I/NET's high resolution analog inputs and outputs – combined with localized control and highly capable trend analysis.

**Online/offline editing capability.** Choose when to make configuration changes - either online, while maintaining complete control of your operating building, or offline when the building is empty.

**A complete line of building controllers.** TAC I/NET Seven's comprehensive line of controllers ensures you can control any type of HVAC equipment reliably and cost-effectively.

#### CONTROL SECURITY FOR A SAFE FACILITY

TAC I/NET Seven's integrated security features allow you to deliver a secure environment for your employees, tenants, facility and assets.

**Integrated Digital Video Management Systems (DVMS).** A simple click in an alarm message will instantly bring up video from the time of the alarm, or connect to a camera from an icon in the graphical interface.

**User and card management.** Manage doors and people with flexible tools to meet your needs at a moment's notice. Multiple cards per individual with user-defined reader formats. Users holding virtually any style of card – public format or proprietary – can move from one facility to another.

**Image verification.** Protect against identity theft. Photos are stored in the TAC I/NET system with the individual's records, allowing operators to visually confirm the identity of anyone seeking entry, either directly or via the Digital Video Management System.

**Integrated Video Badging.** Automatically set up badge holder information in TAC I/NET when you enter a new badge. This powerful solution is convenient and highly scalable from just a few cards to thousands.

#### CONTROL LIGHTING TO REDUCE ENERGY COSTS

Lighting control is one of the simplest ways to reduce your energy costs. TAC I/NET Seven's integrated lighting control manages both daytime and after-hours requirements.

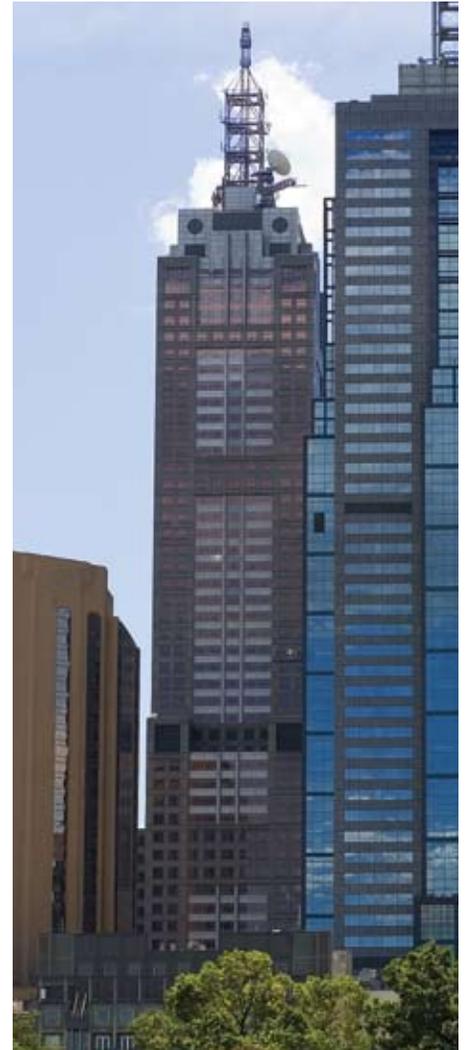
**Warning timers.** Control lighting zones and warn occupants of impending lighting shutdowns. You can still provide your occupants the ability to have lighting on demand for any time duration you specify.

**Consumption reporting.** Automated trend data collection and monitoring of circuit usage makes energy-consumption billing quick and easy. Specific override billing control allows consumption to be charged to specific users in multi-tenanted buildings.

**Circuit management and high voltage switching.** Specialized editors simplify the control and management of lighting systems, while contactors built into the controllers ensure cost-effective deployment.

#### CONTROL OTHER SYSTEMS WITH A SINGLE INTERFACE

A single interface into multiple systems reduces training, maximizes employee productivity, and enhances your facility operations. TAC I/NET Seven uses industry-standard technology to increase reliability and ease of use, as well as maximizing your integration capabilities.



**TAC I/NET Seven is built on an open SQL database from Microsoft®.** Use the desktop version included with TAC I/NET, or upgrade to SQL Server, whichever best suits the needs of your facility. Either way, you will be deploying the same database used by thousands of other systems and completely trusted by IT departments. Easily integrate your system to other information systems without sacrificing data security.

Integrate third-party systems, without multiple front-ends or gateways, using TAC I/NET's built-in ASCII interface or its comprehensive ODBC and open database integration tools.



## SIMPLIFIED CONTROL

Access all the power of TAC I/NET Seven in one complete, easy-to-use package. No additional software modules to buy. No complicated programming tools to learn.

An intuitive **Explorer-like interface** enables you to easily navigate your system, no matter the size. Complicated configuration tasks are made simple with intuitive editors and built in context, sensitive online help at all levels. Also, redundant tasks are less time-consuming with features like drag-and-drop, and cut, copy and paste.

**Graphical representation** of your facility simplifies operator training, decreases response time, and decreases complexity. Reduce even more clutter and complexity with a customizable operator interface that allows you to tailor each operator's access to only the information they need.

TAC I/NET Seven provides **complete reporting** functionality, using the well-known Crystal Reports™ package. And, TAC I/NET Seven's trending tools make data collection and analysis simple and straightforward.

## ANYTIME, ANYWHERE

Always on the go? Use the IT-friendly TAC Xenta™ 527 webserver to safely and securely access your TAC I/NET Seven system via the Internet, or intranet, whether you are on the road, at home, or just across the street. Receive real-time information on your cell phone or PDA and handle alarms at anytime and from anywhere. Not just a convenience anymore, remote access increases your productivity and response time.

## POWERFUL CONTROL

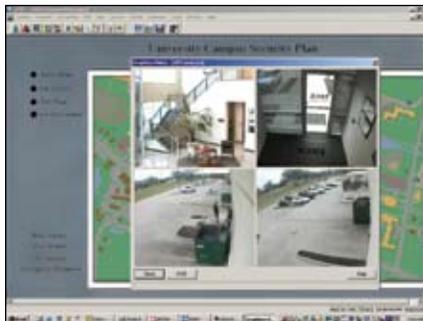
From basic control needs such as HVAC, security, and lighting all the way to the most sophisticated energy management solutions – TAC I/NET Seven has the power. The power to reduce your energy costs. The power to maximize your productivity. The power to cost-effectively scale to your system size and needs. The power to simplify your life.

## RELIABLE CONTROL

TAC builds systems that last. In fact, TAC I/NET Seven customers can still rely on controllers installed over 25 years ago. We are proud of our commitment to backward compatibility, allowing you the freedom to choose not only which technology advances are right for you, but also when they are right for you.

## SIMPLIFIED

With over a century of experience, TAC® is an industry leader in building control solutions. We've poured all that knowledge and expertise into TAC I/NET Seven, resulting in a completely integrated system that is easy...easy to install, easy to operate, easy to maintain, and easy to expand as your business grows.



## WE WE KNOW YOUR BUSINESS

Facility needs can vary considerably from one type of industry to another. TAC has proven experience and references in many industries. Extensive references are available on our website at [www.tac.com](http://www.tac.com).

- Commercial Office Buildings
- Hospital and Healthcare
- Pharmaceutical and Laboratories
- Colleges and Universities
- School Districts
- Airports and Transportation
- Utility Facilities
- Residential
- Hotels
- Maximum Security Installations
- Government and Military Installations
- Museums, Libraries, and other Public Facilities

## TAC I/NET SEVEN

Power you require. Reliability you can trust. Simplicity you need.

To learn more about TAC facility solutions, contact your sales representative or visit our website at [www.tac.com](http://www.tac.com).

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