

# BACnet Without Limits!

## Why Stop at Temperature Controls?

**BACnet!** Schools, universities, governments, and other organizations have chosen it to be their standard communications protocol for their facilities' temperature control and DDC systems. But why stop there? Why not incorporate all your building subsystems or expand your existing BACnet™ system under one comprehensive solution?

With the addition of native BACnet to the entire line of Andover Continuum™ facility automation controllers, TAC has become the first manufacturer to integrate all building functions under a single, BACnet-compliant system. Combine BACnet temperature control with security/card access, badging, power and lighting, even digital video, as well as other vendors' BACnet and proprietary devices. With TAC, it's **BACnet without limits!** Manage multiple systems and vendors from a single, powerful BACnet front-end workstation, plus get instant web access to your total integrated system from anywhere on the network!

### GET A COMPLETE PICTURE OF YOUR FACILITY WITH A WEB-BASED OPERATOR INTERFACE

Get true single-seat control of your entire facility with our dedicated BACnet front-end, Continuum CyberStation™, or access your system from anywhere with our BACnet web browser package, web. Client™. Either way, you get a graphical menu system and dynamic color graphic screens that paint a picture of conditions throughout your facility. View and



acknowledge alarms; track personnel; open and close controlled doors; adjust setpoints; turn lighting and equipment on and off; run reports; modify schedules; make and edit badges; and access pop-up windows of live trend data and event logs through one efficient interface.

### SMART BACnet THAT IS BTL LISTED

All Andover Continuum controllers, and workstation software are designed in strict accordance with **ASHRAE standard 135-**

**2004.** Over 16 controllers have received certification from the **BACnet Testing Labs (BTL)** as being "BTL Listed," which assures compliance to the ASHRAE BACnet standard. As native BACnet controllers, they can send and receive interoperable data, trends, schedules and alarms with other BACnet devices without the need for gateways. Because you won't need special protocol converters, you'll have less initial system configuration and ongoing maintenance.

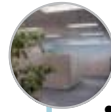


# Beyond Temperature Controls . . .



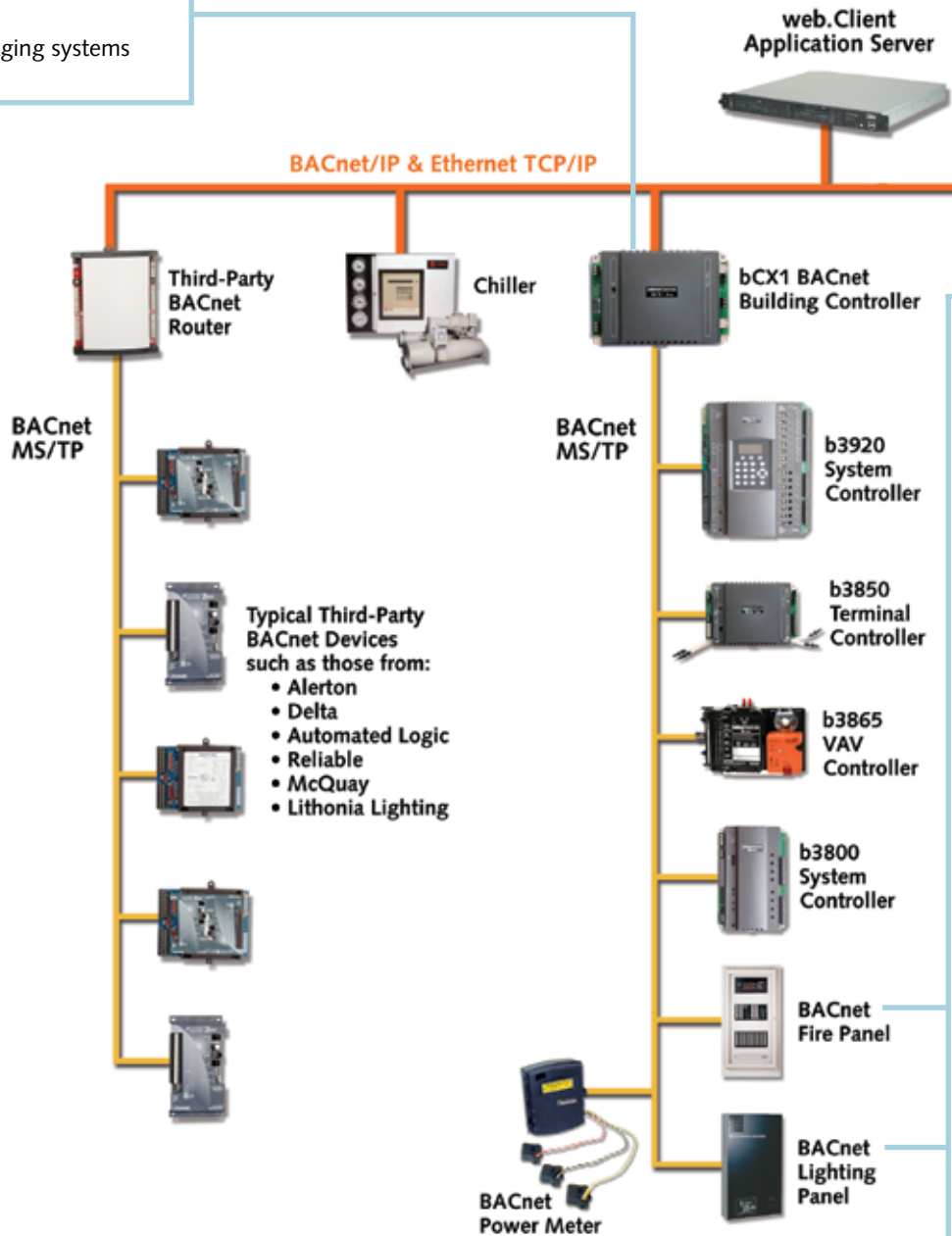
## Temperature Controls

- Integrate BACnet and proprietary devices into a single temperature control solution
- Send critical alarms via e-mail and paging systems



## Power & Lighting

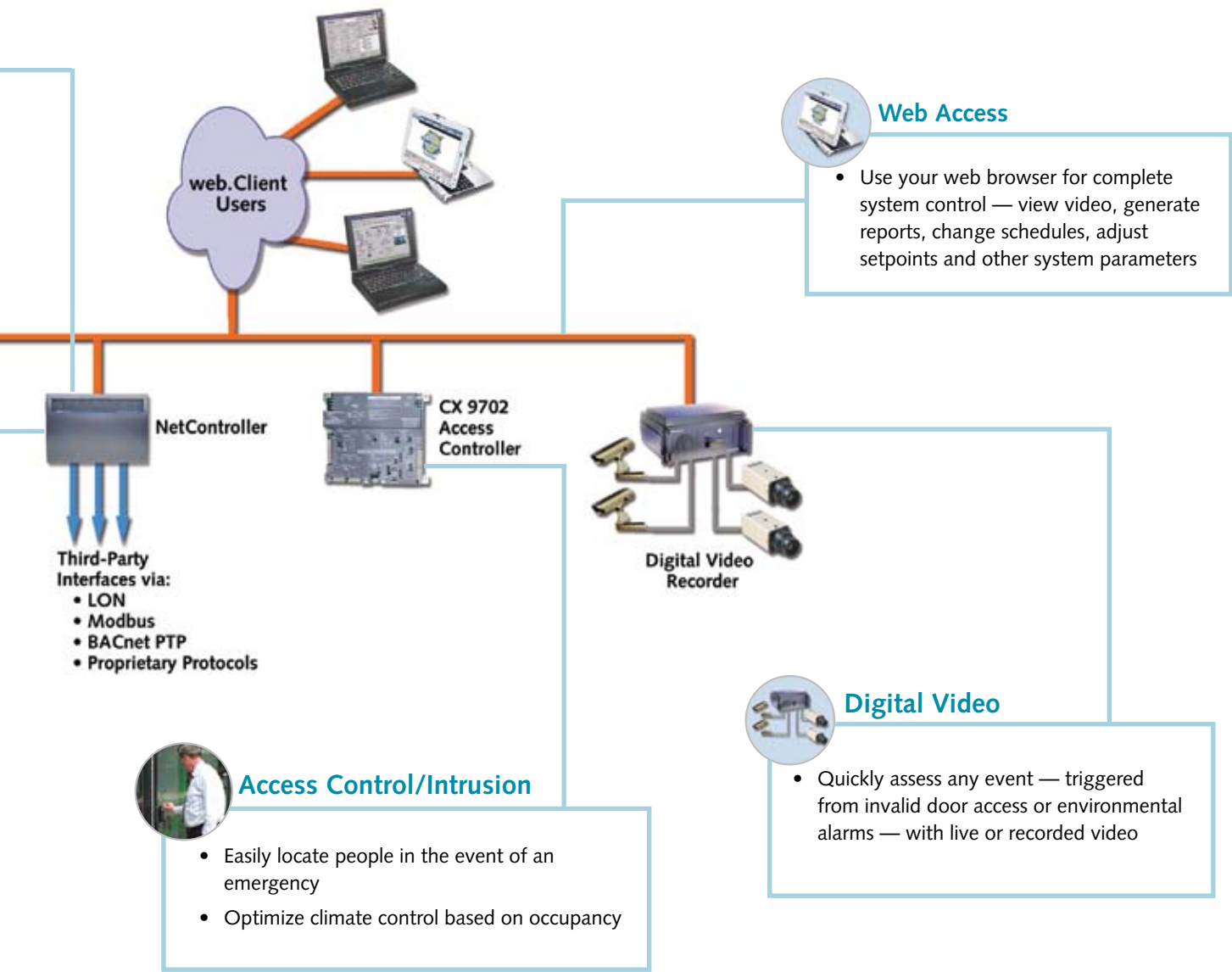
- Analyze power consumption through sub-metering
- Quickly react to critical power alarms
- Adjust lighting based on occupancy and ambient light levels



- ✓ Trends
- ✓ Schedules
- ✓ Alarms
- ✓ BTL Listing
- ✓ UL 864 UUKL



## easily expand any BACnet system and realize the benefits!



### Web Access

- Use your web browser for complete system control — view video, generate reports, change schedules, adjust setpoints and other system parameters

### Access Control/Intrusion

- Easily locate people in the event of an emergency
- Optimize climate control based on occupancy

### Digital Video

- Quickly assess any event — triggered from invalid door access or environmental alarms — with live or recorded video

### Fire & Life Safety

- Ensure coordinated control of doors, lighting, and ventilation during critical situations
- UL864 listed for smoke management functions

### Andover Continuum Integration — The Power of One System

- View all building systems with a single front-end
- Reduce maintenance and training costs
- Manage your building easily and securely via the web
- Use your building's existing network and save installation costs
- Increase occupant safety with a coordinated alarm strategy



Massachusetts Eye & Ear Infirmary in Boston, MA features an integrated BACnet Continuum system

### HAVE YOUR FACILITY'S REQUIREMENTS CHANGED?

In today's world, we are all feeling the pressure to make our facilities more secure. Now, more than ever, you'll want to have an emergency shutdown procedure in place — and be able to implement it **with the push of a button!** To do so, though, requires *all* your building systems work together in a coordinated manner. During an emergency situation, could you *simultaneously*. . .

- Shutdown your building's outside air intake?
- Close off the outside water supply?
- Lock down, secure, and monitor all doors?
- Arm intrusion zones?
- Block incoming Internet communications?
- Pressurize rooms and exhaust contaminated air?
- Monitor live or recorded video?
- Control smoke evacuation?

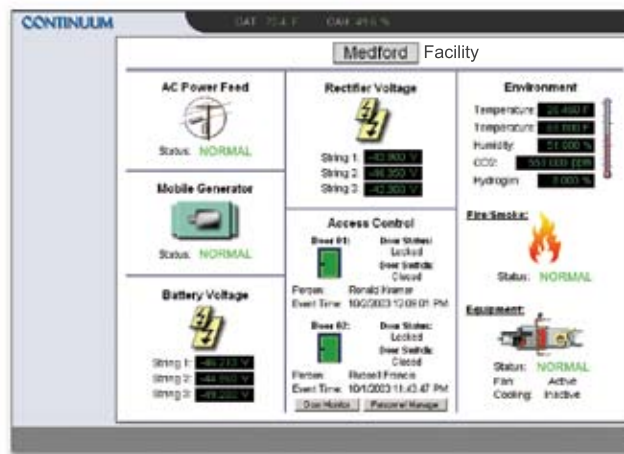
With a TAC integrated facility management system, securing your entire facility and its environment with one push of a button *is* a reality! Our Andover Continuum system provides you with peace of mind and the power you need to protect and secure your building's occupants and its assets. Contact your local TAC Representative to discuss your facility's specific needs.

### BEYOND BACnet, WITH SUPPORT FOR MULTIPLE PROTOCOLS

What languages does your building "talk?" Chances are it's multi-lingual — your chiller talks BACnet, your lighting controllers communicate via LONTalk, your power monitor speaks Modbus, and that older fire alarm system has its own unique protocol. Let TAC be the translator! The Andover Continuum system allows interoperability between all types of devices — BACnet and non-BACnet — *simultaneously*, providing a strong common platform to manage your facility proactively.

### WHAT IS BACnet?

BACnet is a Data Communication Protocol for Building Automation and Control Networks. Developed under the auspices of the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE), BACnet is an American national standard, a European pre-standard, and an ISO global standard. The protocol is supported and maintained by ASHRAE Standing Standard Project Committee 135. BACnet provides a universal model for creating building automation systems that can interoperate with one another. For more information on BACnet, visit [www.bacnet.org](http://www.bacnet.org).



Security, environmental and power conditions displayed on a single graphic screen