

With Delta Controls, Integrated Controls Lead to Intelligent Buildings.

With a complete line of automation controllers and software solutions, Delta Controls

has earned the reputation of being an innovative technology leader for products that are

practical and easy to use. Our extensive and

long-term involvement with the BACnet®

Committee, BACnet Testing Laboratories

and the BACnet Manufacturers Association

has led to the implementation of the most

comprehensive and robust BACnet platform

available today. Our complete line of HVAC,

Access and Lighting control products, together

with our operator workstations and Web inter-

face software packages, are designed with one

goal in mind: to give you an integrated, intel-

ligent building today.

Device Profile	Networking Communications						Firmware Features				
	BACnet/IP	BACnet over Ethernet	RS-485 BACnet MS/TP Subnetwork	RS-232 BACnet PTP	I/O Expansion Network	Peer-to-Peer	GCL Programming	Trending	Event/Alarm Mgmt	Scheduling	Field-selectable Applications
Operator Workstation (B-OWS)	o	o		o		o	Interface to	o	o	o	
Building Controller (B-BC)											
DSC-1616EX	o	o	o	o	o	o	o	o	o	o	
DSC-1616E	o	o	o	o	o	o	o	o	o	o	
DSC-1212E	o	o	o	o	o	o	o	o	o	o	
DSC-1280E	o	o	o	o	o	o	o	o	o	o	
DSM-RTR	o	o	o	o		o	o	o	o	o	
DSM-T305			o	o	o	o	o	o	o	o	
DSM-TO			o	o	o	o	o	o	o	o	
Advanced Application Controller (B-AAC)											
DAC-1180					o	o	o	o	o	o	
DAC-1146					o	o	o	o	o	o	
DAC-1600					o	o	o	o	o	o	
DAC-606					o	o	o	o	o	o	
DAC-633					o	o	o	o	o	o	
DAC-304					o	o	o	o	o	o	
DAC-322					o	o	o	o	o	o	
DVC-V304					o	o	o	o	o	o	
DVC-V322					o	o	o	o	o	o	
DFC-304R3-115						o	o	o	o	o	
DFC-304R3-230						o	o	o	o	o	
DAC-T305					o	o	o	o	o	o	
DNT-T305						o	o	o	o	o	
Application Specific Controller (B-ASC)											
BACstat I (DNS-14)					o	on MS/TP					Limited
BACstat II (DNS-24)					o	on MS/TP					Limited
BACstat II (DNT-DN103/DNT-T221)					o	on MS/TP					o
Lighting Controllers (B-AAC)											
DLC-G1212						o	o	o	o	o	
DLC-D312/D624/D936						o	o	o	o	o	
Access Controllers											
ASM-24E	o	o			o	o	o	o	o	o	
ADM-2W704					o						Limited

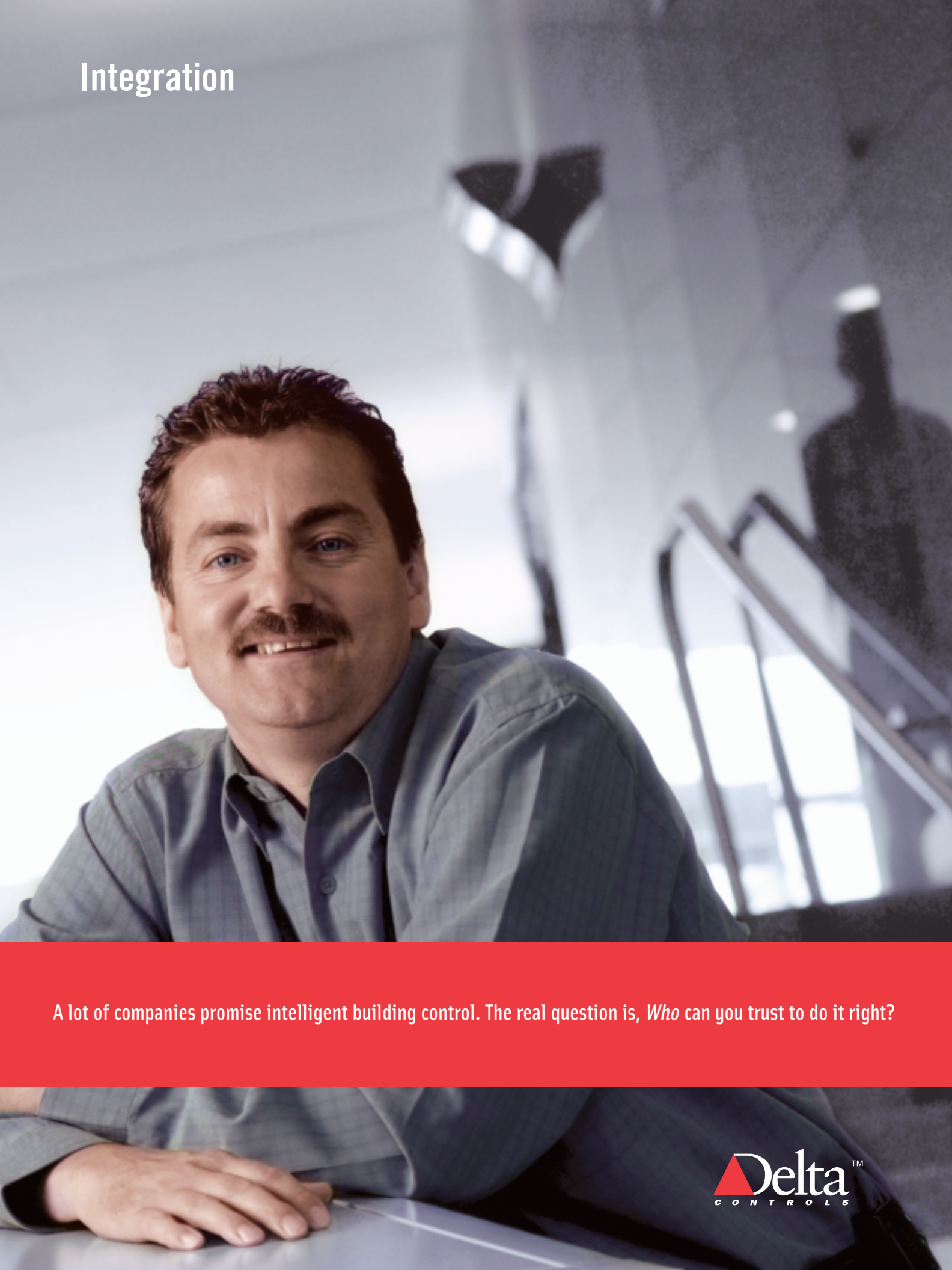
PC Requirements (Recommended)	Computer Processor	Hard Disk Space	Video Capability	Operating Systems
Operator Workstation Software	Pentium / Athlon @ 1 GHz	2GB	1024 x 768 - 16 MB	WIN 98/ME/2000/XP
Web Server (Server PC)	Pentium / Athlon @ 1 GHz	2GB	1024 x 768 - 16 MB	WIN 2000 Server/Pro
Web Browser (Client PC)				Internet Explorer/Netscape

ORCAweb PDA Requirements	Operating System
Pocket PC	Pocket PC 2000
Palm	Palm OS v4.0



Telephone: 604-574-9444, www.deltacontrols.com

Integration



A lot of companies promise intelligent building control. The real question is, *Who* can you trust to do it right?



Rick Bischler, Operations Manager

250 Howe Street, Vancouver BC

One of the newest jewels on the Vancouver

skyline, 250 Howe Street is home to a number

of the city's most prestigious consulting, insur-

ance and investment firms. As a new build-

ing, it is equipped with the latest technology for

intelligent building controls. In fact, all



lighting and mechanical equipment—from chillers

to fan coil units—has been integrated into a

single system that is Web-accessible from any-

where in the world. It is so user-friendly that

if you can move a mouse, you can control the

entire building. What's more, Rick Bischler says

network speed is "appreciably quicker." Not

surprisingly, the system is from Delta Controls.

Delta Controls. Do It Right.

One Bellevue Center, Bellevue, WA



In 1993, the building’s control system was upgraded to Delta Controls. With chillers on every floor, One Bellevue Center has a good deal more mechanical rooms than similar-sized buildings. Lighting and energy management were also integrated into the control system. Not surprisingly, the building has since earned the Energy Star Building Award for energy conservation.

Theodor-Heuss-Allee 100, Frankfurt, Germany



For this prestigious office building complex, housing one of Europe’s largest financial institutions, Delta Controls was used extensively in a high-performance BACnet integration. HVAC, lighting, automated blinds, fire and smoke evacuation systems were integrated along an Ethernet-based backbone to provide interoperability with other building systems.

Buckley AFB, Aurora, CO



In upgrading a National Guard airfield to a fully operational Air Force base, a Delta Controls system was installed in 14 buildings to replace eight different control systems. The result? Better controls and maintenance in one reliable, easy-to-use graphical system. The next step is to incorporate Access, Lighting and Irrigation.

For information on these and other case studies involving Delta Controls, please visit our Web page at www.deltacontrols.com/testimonials.



Intelligence Comes Through Integration.

A truly intelligent building requires more than just a superficial integration of building systems. Controllers not only must speak the same language, but they should have the same “heart and soul.” They should have common programming and database structure, full functionality and ease of operation.

By incorporating the same core technology and operating software in HVAC, Lighting and Access controllers, you can readily integrate and easily adapt operational scenarios to meet your most demanding requirements, now and into the future.

- A complete line of HVAC, Lighting and Access controls
- Easy-to-use integrated Web- and Windows®-based operator workstations
- Ethernet ports on building controllers for high-speed data exchange
- Powerful integrated reporting capabilities

Delta Controls Offers the Most Innovative Web Solutions.

We use the latest in Web technology, delivering tools that allow building managers to interface with buildings in ways that were only dreamed of. Tenant Portal™ and Virtual Stat™ provide secure access to defined building parameters so that different types of users—from facility managers to tenant administrators to individual building occupants—can monitor and control their environments quickly and easily.

- Full-PDA support for both Palm® and Pocket PC platforms
- Integration with mail servers for e-mailing alarm notifications
- “Save-as-Webpage” drawing tool for instant creation of Web-based graphics

Delta Controls is Your Enterprise Solution.

Exchanging information with enterprise software programs is a critical task. Not to worry. Our enterprise solutions are so intuitive, there is no information that you cannot get from your building automation system. We deliver the tools you need to get the information you want, from real-time pricing to data for consumption analysis.

- Full ODBC-compliant database support for 3rd-party software applications
- Support for SQL statements (read and write functionality)
- Access to Enterprise applications through our systems’ open architecture by using built-in Application Program Interface (API) functions
- Ethernet ports on building controllers for high-speed network performance

The Latest Technology Should Be Easy to Use.

Delta Controls’ built-in reporting “Drag-and-Link”™ technology, automatic device discovery, “Save-as-Web page” drawing tool, Tenant Portal, Virtual Stat, DNA (Derived Network Addressing), or any of the myriad of software features in our system demonstrate how Delta Controls makes technology something everyone can use.

Our Products Are Time-Tested at the Factory.

Every circuit board that we produce goes through a battery of tests. After all, the only way we can have 100% confidence in our products is to test 100% of our products.

- Quality Certified Manufacturer (ISO9001:2000)
- Field-proven circuit protection on inputs, outputs and power supply
- In-house design, manufacturing and test facilities

Delta Controls Systems Can Integrate Whatever the Future Will Bring.

Most facilities have proprietary systems. Our products are native BACnet, which ensures your new controllers will be interoperable into the future. Plus, we have gateway solutions for your proprietary networks. Once you install BACnet, you are home free.

- The industry’s most open implementation of BACnet products
- Integration with building systems such as lighting, fire, chillers, boilers and other factory-direct controls packages
- Interoperability with other manufacturers’ products

Adding Value is our Commitment to You.

Since our inception, Delta Controls has offered state-of-the-art technology at a competitive price, delivering a value-added solution to your building needs. It was our pledge to you then. It remains our promise to you now.