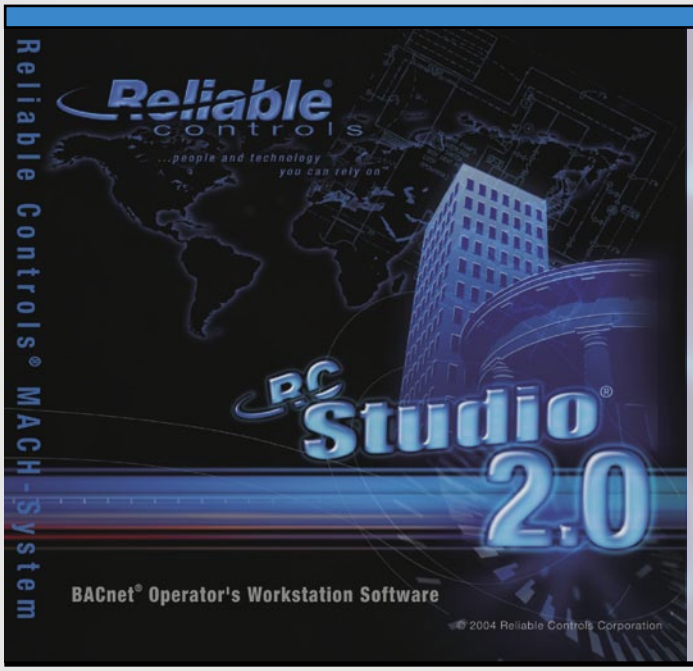
Reliable controls Q2 - 2006

THE trend

THE OFFICIAL QUARTERLY NEWSLETTER OF RELIABLE CONTROLS® CORPORATION



RC-Studio 2.0
New Release

- BACnet Schedules & Calendars
- Internet URL Access Numbers
- Multi-State Animations
- Redesigned Interface
- Trend Log Y-axis
- & More

1986 - 2006
20
YEARS OF EXCELLENCE
Reliable controls

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Get a FREE Upgrade Today!

update 1.06

RC-Studio® 2.0 is the all-in-one BACnet® operator's workstation software used to program and interface to any Reliable Controls® products and 3rd party BACnet® devices. Using RC-Studio® 2.0, building operators can simultaneously open windows from multiple BACnet® controllers and change setpoints and schedules, override points, view trend and runtime information, and manage alarms and network backups. Programmers have the freedom to drag and drop BACnet® points to graphical displays and can read/write any BACnet® point using the Control-BASIC editor.

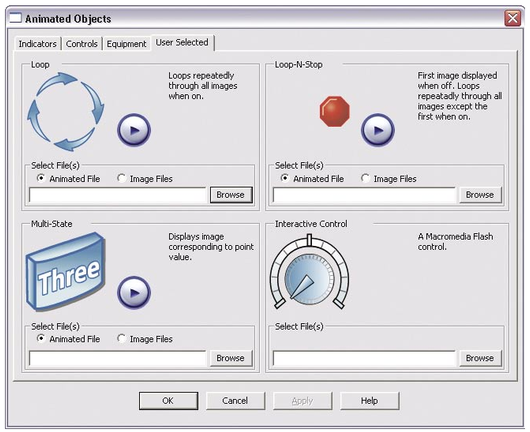
Update 1.06 of RC-Studio® 2.0 has recently been released and offers a myriad of new features and functionality added to what is already considered by many in the building automation industry to be the pinnacle of DDC software.

• Multi-State Animation

New animation types have been incorporated into RC-Studio® 2.0 to encompass the multi-state ranges used by the MACH-Stat™ and SMART-Sensor™ LCD.

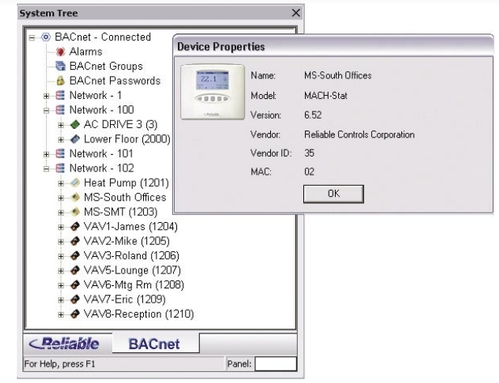
All animations are compatible with BACnet® multi-state points and their associated state text values.

Animated GIFs load in the background to allow a quick load of the initial group.



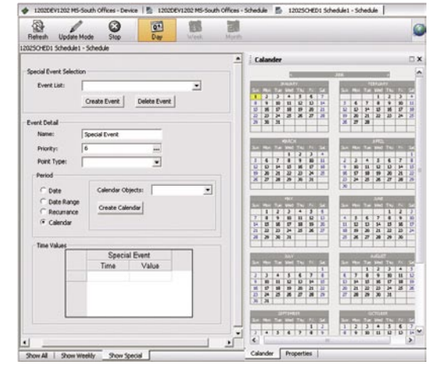
• New Controller Support

Support has been added to accept the programming and operation of the new MACH-Stat™ and MACH-Stat ND™ controllers. These new Advanced Application Controllers are the ultimate replacement to existing thermostats.



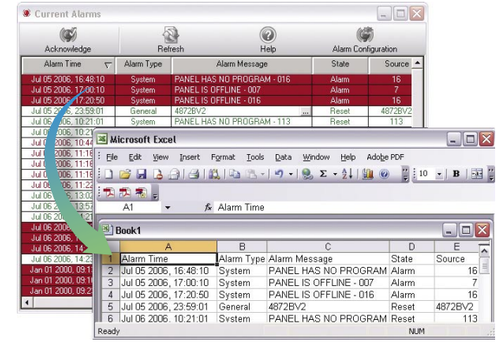
• BACnet Scheduling

The new BACnet Schedule makes its debut in update 1.06. BACnet Schedules provide advanced scheduling features that include binary, analog, and multi-state values, choosing days at any time of the year, choosing days in subsequent years, and creating special events that occur repeatedly one day of the week, month, or year.



• Alarm Export to Excel

With a single click, the contents of the Current Alarms worksheet can be exported directly to a Microsoft Excel spreadsheet.



• Backwards Compatibility Maintained

RC-Studio® 2.0 functions seamlessly between Reliable Controls® protocol and BACnet® protocol. Enjoy the best of both worlds with full backwards compatibility.

The Versatility of Control

Upgrade to 1.06 – NOW! FREE of charge.

Login to www.reliablecontrols.com and select Customer Login to access your free upgrade to RC-Studio® 2.0.

New Products

Rev G MACH1™ & MACH2™

The MACH1™ and MACH2™ controllers will soon be available in an enhanced format. The new models will feature a brand new microprocessor and enhanced memory. This will allow for BACnet® functionality such as BACnet Alarming, BACnet Schedules & Calendars, BACnet Trending, as well as support for the new Control-BASIC functions. When released, the enhanced MACH1™ and MACH2™ controllers will exceed BACnet Building Controllers (B-BC) specification.

Because of the new microprocessor required to run the extensive BACnet® capabilities, the enhanced MACH1™ and MACH2™ firmware will not be compatible with previous versions. Pan files will remain fully compatible, regardless of version.

WANTED: Project Profiles

Universiti Tenaga Nasional . Malaysia

If you operate Reliable Controls® products in an interesting and/or unique building or complex, please let us know by contacting your Authorized Dealer with the details. We'd love to make a project profile of your system. Recent submissions have included the Metropolitan Museum of Art and the UN General Assembly Hall in New York, the World Exchange Plaza in Ottawa, and the MidAmerica St. Louis Airport. All completed profiles are printed and available for distribution, or are downloadable from our website. In addition, the profiles appear on the back cover of The Trend. With a circulation in the neighbourhood of 7,500 readers, The Trend is a lucrative source of free advertising.

Don't delay—have a project profile made today.

Metropolitan Museum of Art . New York

RCMP "K" Division Headquarters . Edmonton

Guinness Tower . Vancouver

Palazzo Versace Australia . Brisbane

BACnet International

BACnet® International is an organization that encourages the successful use of BACnet® in building automation and control systems through interoperability, testing, educational programs, and promotional activities. BACnet® International complements the work of other BACnet®-related groups whose charters limit their commercial activities.

BACnet® International members include building owners, facility managers, consulting engineers, manufacturers, and system integrators, as well as representatives from institutions and government agencies. If you're passionate about open system protocols, join online at www.bacnetinternational.org.

The continued endorsement and commitment to BACnet® at Reliable Controls® is evident in the number and variety of products that bear the BTL Listed logo offered by the BACnet Testing Laboratories. Only those products that pass a rigourous testing regime can bear the BTL Listed logo. To view the Reliable Controls® devices listed in the BACnet International product catalog, visit www.bacnetinternational.org and navigate to the Product Catalog page. Once in the Reliable Controls catalog, review the Protocol Implementation and Conformance Statements (PIC Statements) for a detailed account of supported BACnet Interoperability Building Blocks (BIBBs), segmentation capability, object types, character sets, networking options, device address binding, and data link layer options.

MACH-Global™ Building Controller

MACH-Air™ VAV Controller

Reliable Controls®
Catalog-Listed Products

BACnet Operator Workstation

RC-Studio® 2.0

BACnet Building Controller

MACH-Global™ Building Controller

ETHER-Link™ Portal

BACnet Advanced Application Controller

MACH-Stat™ Controller

MACH-Stat-ND™ Controller

BACnet Application Specific Controller

MACH1™ Controller

MACH2™ Controller

MACH-Zone™ Unitary Controller

MACH-Air™ VAV Controller

ETHER-Link™ Portal

Home Hardware

Renovations at the Reliable Controls® headquarters in Victoria, British Columbia are running 2 weeks ahead of schedule. The exterior of the building is transforming into a blend of tinted glass, deep earth tones, and a trellis for growing wisteria. At the end of June, the Research & Development team moved into the lower floor of the building which has already become a creative and comfortable working environment. Construction of the new Training facilities is well under way, and in all likelihood, will be ready for the September Dealer Training.

Reliable Saves

Figures recently released by BC Hydro rank School District 73 as one of the most *power smart* school districts in British Columbia. Reliable Controls® is pleased to play a primary role in School District 73's success. Fifty-six schools in the district employ Reliable Controls® product. According to Brian McDonald, a Key Accounts Manger with BC Hydro, annual energy savings in the district amount to 3.1 GWh, or $155,000.00. Thanks in part to Pilot Lighting retrofit projects that featured Reliable Controls® DDC products, the Kamloops-Thompson school district reduced its electricity consumption by 21%.

Reliable Promotions

Reliable Controls® is pleased to announce a series of promotions to facilitate future growth.

Michael Osborne P. Eng., has been promoted to Manager of Software/ Firmware Development. A valued Reliable Controls® employee for over 2 years, Michael spent the previous 9 years with Power Measurement in hardware/firmware development and project/product management.

Vince Palmer, a member of the Reliable Controls® team for over 5 years, has been promoted to Vice President of Operations. Prior to joining the Reliable Controls®, Vince held a management position with Shaw Communications and is currently working toward a B.BA. Degree through Thompson Rivers University.

James Puritch has been promoted to Vice President of Research and Development. James has been a full-time employee with Reliable Controls® since 1998 and holds a B. Eng. Degree from the University of Victoria. James and his team have been responsible for developing all of the hardware currently offered by Reliable Controls®.

The VIATeC Technology Awards celebrate Vancouver Island individuals and organizations that demonstrate excellence, innovation, and commitment to the technology sector. Reliable Controls® was selected as a finalist in the following two categories:

Tom Zaban was a finalist for the ***Executive of the Year*** award which recognizes an individual who has had a significant impact on the success of an organization as a direct result of their leadership.

The Reliable Controls® Production Team was nominated for ***Employee/Team of the Year*** which recognizes an individual or team in the technology sector that demonstrates outstanding initiative and service delivery, and has had a significant impact on the company for which they work.

New Dealers


Newark, New Jersey


Hampton, New Hampshire


Charleston, West Virginia


Las Vegas, Nevada


Boise, Idaho


Oklahoma City, Oklahoma


San Diego, California

AME Inc. Controls Specialist

9 Whippany Road Building C5
Whippany, NJ 07981

www.ameinc.cc

BASIX Automation Integrators

8 Merrill Industrial Drive, Suite 8
Hampton, NH 03842

www.basixautomation.com

Building Maintenance Technology

5505 Raven Drive
Charleston, WV 25306

Control Contractors Inc.

3645 W. Oquendo Road, Suite 700
Las Vegas, NV 89118

www.cci-inc.net

Control Logic

3414 E. Greenhurst Road
Nampa, ID 83686-8626

Hob-Lob Limited Partnership

7707 SW 44th Street
Oklahoma City, OK 73179

R & R Controls

4564 B Alvarado Canyon Road
San Diego, CA 92120

www.rrcontrols.com

Eastern Canadian Dealer Meeting

Mont Tremblant


Les Services Technologiques


Setpoint Building Automation


Wholesale Services

In June of 2006, Eastern Canadian Dealers gathered at Gray Rocks Resort in Mont Tremblant, Quebec. The event featured technical updates, an award ceremony to honour Authorized Dealer achievements in 2005, and a golf tournament.

Top honours went to *Les Services Technologiques* of Quebec City, Quebec who garnered the **Top Sales of the Year** award in recognition and appreciation of their outstanding sales and performance. Félicitations!

The **MVP of the Year**, awarded in recognition and appreciation of excellence achieved in all aspects of business, went to *Setpoint Building Automation* of Toronto, Ontario.

The **Entrepreneur of the Year**, awarded for sustained new growth, went to *Wholesale Services* of Windsor, Ontario.

Many thanks to all of the attendees.

2006 ARBS Expo

For the entire month of August, Juliana Yu, Vice President of Finance, and Tom Zaban, Vice President of Sales and Marketing will be travelling the Pacific Rim on a whirlwind visit to Australia and Asia.

The itinerary consists of multiple day meetings with dealers in Korea, Taiwan, Australia, and Malaysia. Booth duty will also be on the agenda as Reliable Controls® will participate as an exhibitor at the 2006 Biennial ARBS Expo in Sydney, Australia, August 14–16, alongside Reliable Controls® Authorized Dealers, Austec and Rega Controls. ARBS (Air Conditioning, Refrigeration & Building Services) is the major trade event for the Heating, Ventilation, Air Conditioning, Refrigeration, and Building Services industry in the southern hemisphere and showcases the very latest technologies, products, and trends in the industry. Everyone from manufacturers and suppliers through to the important decision makers, buyers, and end users are encouraged to attend as the 2006 ARBS Expo will feature over 200 national and international exhibitors together with a comprehensive seminar program and keynote presentations.

The trip concludes with an 8-day tour of the accomplishments of Shenzhen Reliable Controls Corp - the distributor of Reliable Controls® for mainland China and Hong Kong.

China

Korea

Malaysia

Australia

Taiwan

www.arbs.com.au

Trade Shows

Reliable Controls® will have a strong presence at the following trade shows:

2006 ARBS Expo – www.arbs.com

Dates:	August 14–16, 2006
Venue:	Sydney Convention & Exposition Centre
Location:	Sydney, NSW, Australia
Booth #:	31/32

2006 CHES Expo – www.ches.org

Dates:	September 17–19, 2006
Venue:	World Trade & Convention Centre
Location:	Halifax, NS, Canada
Booth #:	133

2006 Facilities Midwest Conference & Expo – www.facilitiesmidwestexpo.com

Dates:	September 19–20, 2006
Venue:	Donald E. Stephens Convention Center
Location:	Rosemont, Il, USA
Booth #:	907

2007 AHR Expo – www.ahrexpo.com

Dates:	January 29–31, 2007
Venue:	Dallas Convention Center
Location:	Dallas, Texas
Booth #:	1523

Future AHR Expo venues.

2007

Dallas, Texas
Dallas Convention Center
January 29–31, 2007

2008

New York City, New York
Javits Convention Center
January 22–24, 2008

Project profile

Palazzo Versace Australia

The world's first Versace hotel brings to life a desire by international fashion house Versace to introduce its talents to a new domain – hotels. Palazzo Versace is built in Australia's tourism capital, the Gold Coast. The hotel combines the design and furnishing flair of the Versace empire with the beauty of a spectacular waterfront setting. Completed in the year 2000, the hotel incorporates 205 classically elegant rooms, 72 neighbouring condominiums and a private marina on a historic site at the edge of the Gold Coast's Broadwater.

All hotel rooms and condominium air conditioning units are controlled by the Reliable Controls® MACH-System™ along with all back-of-house air handlers and two 1500kw variable frequency York centrifugal chillers. The building automation system is comprised of 5 MACH-Net™ building controllers, 90 MACH1s™, 112 MACH-Zone™ controllers, and an ETHER-Link™ portal.

Energy management of the main power supply and generator is achieved through load shedding of all non essential devices. The main switchboard transfer switches, sub stations, feeder current, and generator status are all monitored by the MACH-System as well as all stormwater drain and sewerage pits, dewatering pumps, carpark water levels, pool and lagoon water pumps, and water quality. The installation also allows for high level integration to the hotel paging system and to the facility's fire alarm system.

Palazzo Versace maintenance staff find the Reliable Controls® MACH-System™ very easy to use, and very effective in maintaining comfort levels.

***MACH-Zone*™ Unitary Controller**

***ETHER-Link*™ Portal**

HOSPITALITY

Project Name:

Palazzo Versace Gold Coast

Location:

Brisbane, Queensland, Australia

Market Segment:

Hospitality

Project Type:

HVAC, Power Monitoring, Water Quality, Pool

Installation:

New Construction

Equipment Installed:

1 ETHER-Link™
5 MACH-Net™
90 MACH1™
112 MACH-Zone™

Network:

Ethernet, EIA-485

Total System Points:

1,500 points

Consultant:

EMF Griffih

Authorized Dealer:

AUSTEC Building Automation

Reliable® controls

...people and technology you can rely on™

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