Continuous data archiving

Continuously downloading building
data logs into an industry standard
SQL database, RC-Archive® delivers a
robust record of performance from any
Internet-connected BACnet® facility.

RCArchive®
BACnet® Data Archiving
Software

Better by design

www.reliablecontrols.com/RCA

RC-Archive®

TECH SPECS

Recommended Server Requirements

- All hardware rated for continuous server operation
- Intel Xeon E3 3.10 GHz or better
- 4 cores must be available for RC-Archive*
- x64 system architecture
- 16 GB RAM
- Hardware RAID in a redundant performance configuration with 10K RMP SAS drives or better
- 50 GB hard disk space free, or higher, appropriate for archiving needs
- Internet connection required for software download and installation
- Gigabit Network Interface Card (server quality)
- *Windows Server 2012 R2 Standard* or greater
- *Microsoft SQL Server 2014 (x64)* or greater (purchased separately for databases exceeding the 10 GB SQL Express database size limitation)
- Dedicated USB 2.0 port for RC-KEY licensing (soft license optional)
- Ensure IT management processes do not allow SQL database size limitations to be exceeded
- Maximum Configuration: 40,000 objects per server

* When multiple products are installed on a single computer: 2 cores per product, plus at least 2 cores for the SQL database

FEATURES

BACnet Support

- Archives Trend Log objects from any IP-connected BACnet system
- Archives BACnet Single-point Trend Log, BACnet Multipoint Trend Log, and BACnet Runtime Log objects

RCP Support

- Archives RCP Trend and Runtime Logs

Easy Setup

- Wizards guide the operator to provide easy setup
- Intuitive data table names created
- Simple to archive all Trend Logs and Runtime Logs in a system, network, or controller
- Enable All feature allows convenient filtering by point type, interval, descriptor, and instance range
- Discover Single Device makes commonly-used devices easy to locate
- Create archives from multiple buildings or systems
- *Microsoft SQL Server 2014 Express Edition* included with software

Rigorous Logging

- Efficient log file structure
- Continues to log data to file system while SQL database unavailable
- Multiple simultaneous instances supported

Database Utility

- Simplifies database backup, restoring, renaming, and purging
- Shrink Log Files feature compresses log file to a specific size
- Allows correction of corrupt, missing, or time-shifted data, with audit log of changes

Graphing

- Requires RC-Studio, or a browser with RC-Reporter, RC-WebView access, or a MACH-ProWeb controller
- Graphing with zoom, pan, and paging capabilities
- Simultaneously graphs archived data with real-time data

Exporting

- Export to *Microsoft Excel*
- Standard SQL database accessible by third-party applications

Automation

- Logs data without user intervention
- Runs as a *Microsoft Windows* service
- Archive size only limited by SQL license and hard disk space
- Sends a wide variety of email notifications to user-defined email recipient list using SMTP
- Unsent email notifications are stored for analysis

Secure Communications

- Supports encrypted BACnet communications on a BACnet virtual private network (B/VPN) to systems and controllers using RC-RemoteAccess

Certification

- BTL listed (B-GEN)

ORDERING

RC-AR3-200

- License allowing 200 points to be archived c/w RC-KEY (USB Software Key)

RC-AR3-200A

- Adds 200 points to existing license (must have previously purchased RC-AR3-200)
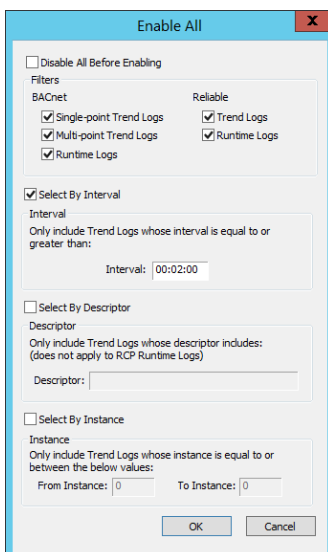- Upon purchase of the 24th unit of RC-AR3-200A, the license is tagged as a site license, equivalent to RC-AR3-5000

RC-AR3-5000

- Site license allowing unrestricted number of points to be archived c/w RC-KEY (USB Software Key)

RC-AR3-S200

- License allowing 200 points to be archived c/w soft license (no USB Key required)

RC-AR3-S200A

- Adds 200 points to existing soft license (must have previously purchased RC-AR3-S200)
- Upon purchase of the 24th unit of RC-AR3-S200A, the license is tagged as a site license, equivalent to RC-AR3-S5000

RC-AR3-S5000

- Site license allowing unrestricted number of points to be archived c/w soft license (no USB Key required)
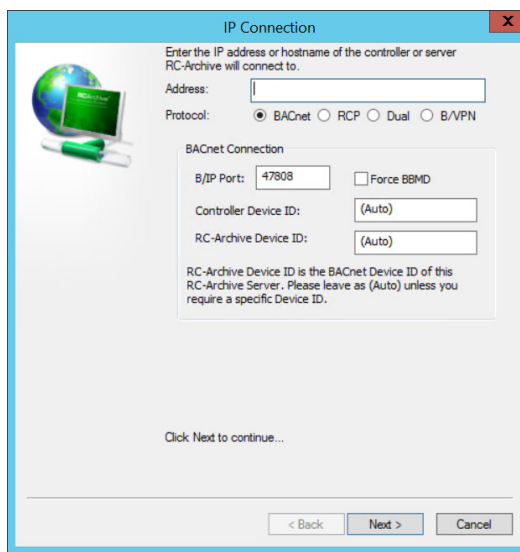
RC-AR3-S

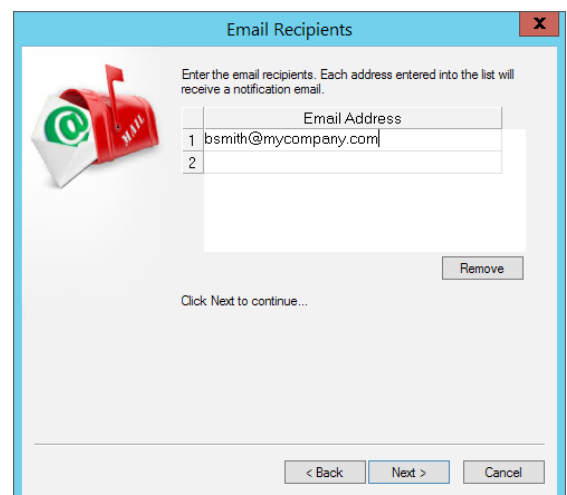- Subscription for 12 months of online software updates
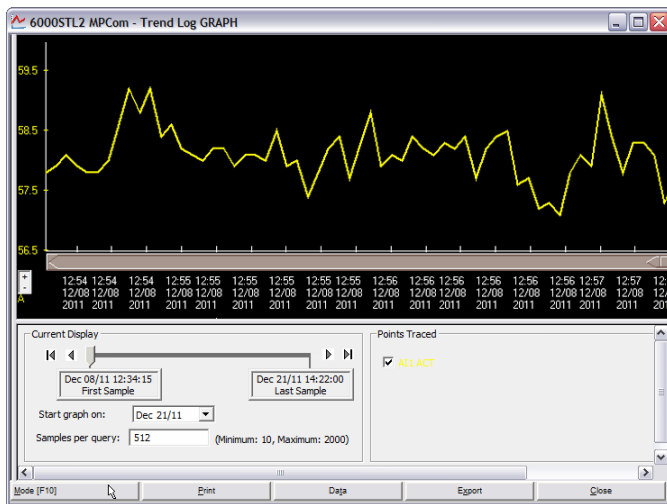
SCREEN CAPTURES

Convenient Filtering

IP Connection to any BACnet or RCP facility
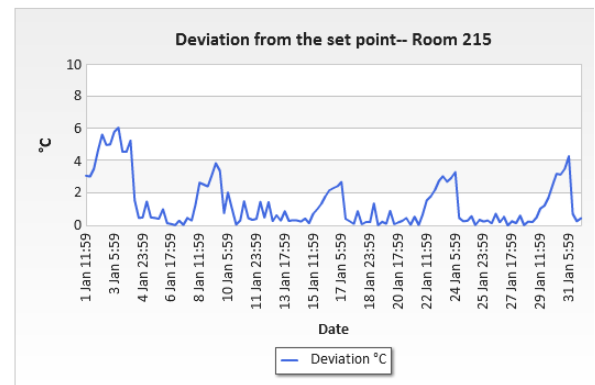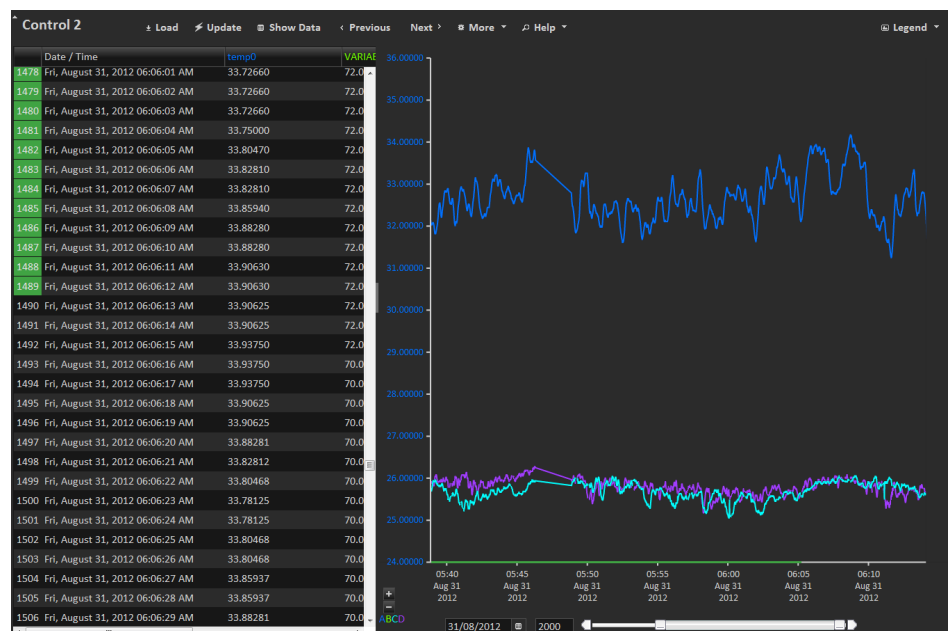

Email Recipients list

   Designed and Manufactured in Canada

Trend Log viewed through RC-Studio
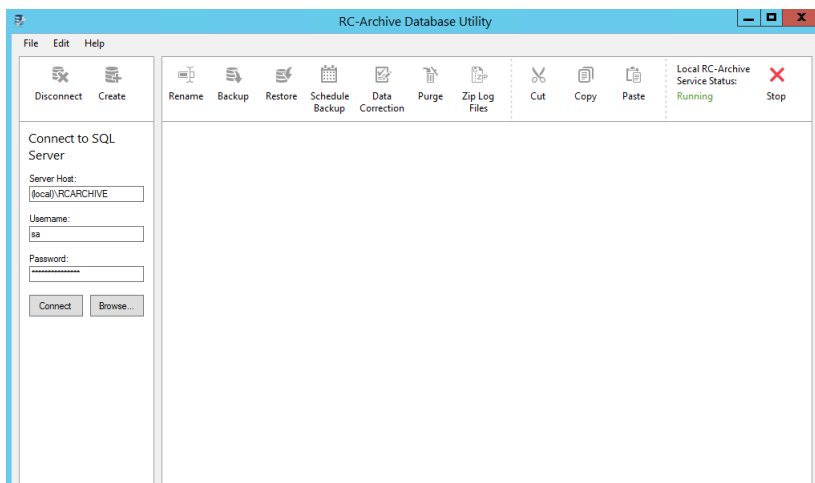
Trend Log data viewed through RC-Reporter

Database Utility

Multipoint Trend Log viewed through MACH-ProWeb controller

Designed and Manufactured in Canada

Dealer Information:

Designed and Manufactured in Canada