# WEBCTRL® FOR LIFE SCIENCES

## FOR FDA 21 CFR, PART 11 COMPLIANCE

Automated Logic

## INTUITIVE BUILDING AUTOMATION SYSTEM

The Automated Logic WebCTRL for Life Sciences system skillfully balances system access control with the high level of security mandated by FDA regulations and corporate policies. It is easily deployed on a secure intranet and is accessible through any web-enabled device.

WebCTRL®

## KEY FEATURES AND BENEFITS

WebCTRL for Life Sciences is designed to support technical and procedural reporting requirements of FDA 21 CFR Part 11. WebCTRL for Life Sciences uses Secure Sockets Layer (SSL) 256-bit encryption, BACnet whitelist firewall and Audit Logging.

- **Preconfigured, Life Science Compliance Reports**
  - Mean Kinetic Temperature (MKT)
  - Critical Trend Value Out of Range
  - Trend Value
- **Digital signing of reports**
  - Signing reports as “Checked By” or “Approved By”
  - Privilege-limited signing authority - To sign a report the operator must have the appropriate privilege(s) and their personal e-signature is appended to the report
  - Authentication and Logging - When signing a report, the operator is required to enter the WebCTRL password, e-signature password, and a comment. The operator and comment will appear in the Audit Log report
- Supports BACnet Secure Connect (BACnet/SC), a secure, encrypted datalink layer designed to meet the requirements and constraints of IP infrastructures
- Inherent Indoor Environmental Quality Index (IEQ) determines and displays the overall indoor environmental quality and health of the building
- Powerful WebCTRL Time-lapse™ graphics for analyzing and troubleshooting up to 24 hours of past building operation
- Integrated ASHRAE Guideline 36-compliant Fault Detection and Diagnostics (FDD) to help anticipate, provide insight, and automatically respond to building issues
- Haystack-compatible semantic tagging automatically assigns standard reference names to equipment data
- Internet Protocol Versions IPv6 and IPv4 are supported

WebCTRL®

The WebCTRL building automation system gives you the ability to understand your building operations and analyze the results. Integrate environmental, energy, security and safety systems into one powerful management tool that helps you reduce energy consumption, increase occupant comfort, and achieve sustainable building operations.

## SPECIFICATIONS

| CLIENT REQUIREMENTS | | |
|---|---|---|
| Computer Specs: | Quad core processor, 4 GB RAM, 100 Mbps or higher LAN communications | |
| Mobile Devices: | Smart Phones | Android™, iOS |
| | Tablets | Android, iOS, Surface™ |
| Browsers: | Computer operating system | Supports these web browsers |
| | Windows | Google™ Chrome™ v84 or later<br>Microsoft® Edge v84 or later<br>Mozilla® Firefox® v79 or later |
| | Mac OS X<br>(Apple Mac only) | Safari® v11 or later<br>Google Chrome v84 or later<br>Mozilla Firefox v79 or later |
| | Linux | Google Chrome v84 or later<br>Mozilla Firefox v79 or later |
| **SERVER REQUIREMENTS (SERVER SOLD SEPARATELY)** | | |
| Minimum Server Specs: | Quad core processor, 4 GB RAM, 100 Mbps or higher LAN communications | |
| Operating System: | The following operating systems in 64-bit versions | |
| | Windows Server 2022<br>Windows Server 2019<br>Windows Server 2016<br>Red Hat Enterprise Linux® 7.4 | Windows 11 Professional and Enterprise<br>Windows 10 Professional and Enterprise<br>Ubuntu® 20.04 LTS, 22.04 LTS |
| Database: | Apache Derby (default database engine-included with purchase)<br>The WebCTRL® v9.0 system supports the following databases (sold separately) | |
| | Oracle 19c<br>MySQL through 8.0 LTS | SQL Server Express 2019, 2017, 2016<br>SQL Server 2019, 2017, 2016<br>PostgreSQL 12 through 15.3 |
| Security: | BACnet Secure Connect (BACnet/SC) secure, encrypted datalink layer | |
| | Supports TLS (Transport Layer Security) v1.3 with 256 bit encryption between client and WebCTRL server | |
| Supports: | Unlimited simultaneous users<br>Hierarchical server configuration for very large systems<br>Communication to field controllers via BACnet (TCP/IP) | |
| Languages: | International English, Brazilian Portuguese, French, French Canadian, German, Italian, Japanese, Korean, Russian, Simplified Chinese, Swedish, Thai, Traditional Chinese, Vietnamese, Dutch, Norwegian, Finnish | |
| BACnet: | BACnet Protocol Revision 19 Compliant<br>BACnet Advanced Operator Workstation (B-AWS) | |

## PRODUCT VERSIONS

| SKU | Description | Application |
|---|---|---|
| WC-LS | WebCTRL for Life Sciences | Facilities requiring 21 CFR part 11 certification |

## COMPATIBLE ADD-ONS AND ACCESSORIES

| SKU | Description |
|---|---|
| ADD-SSO | OIDC, SAML 2.0 and LDAP/Active Directory® add-on |
| ADD-SCH_EXCH | Microsoft® Exchange Scheduling add-on |
| ADD-FDD | Fault Detection & Diagnostics Reporting add-on |
| ADD-WTHR_HRLY | Weather subscription - Hourly Forecast |
| ADD-WTHR_AQI | Weather subscription - Air Quality Index |
| ADD-TRNDEXP | Trend Export add-on |
| ADD-OADR2 | Open Automated Demand Response add-on |
| ADD-MQTT_Client | MQTT Connector add-on |
| WC-ADV_* | Advanced Alarming, Advanced Reporting, Advanced Security |

Automated Logic

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