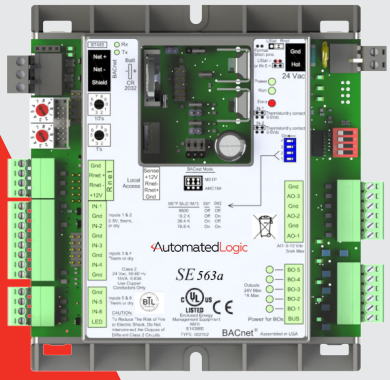
SE563A AND SE563SP

SINGLE EQUIPMENT CONTROLLERS



Automated Logic

CONTROLLERS FOR THE WEBCTRL® BUILDING AUTOMATION SYSTEM

SE563 controllers are fully programmable, native BACnet Advanced Application Controllers (AAC) well suited for rooftop units, mechanical rooms, equipment closets or almost any other weather-tight location. Programmable using the EIKON® software graphic programming language, SE563 controllers use native BACnet communications over an MS/TP network to provide maximum flexibility and interoperability.

KEY FEATURES AND BENEFITS

Application Features

- Versatile controller suitable for a variety of applications, including rooftop units, pumping systems, and boilers
- Standard library of control programs available for most single equipment applications
- Supports EIKON® graphical programming software, an object oriented tool that provides complete flexibility for any custom control sequence that you need
- Supports Automated Logic communicating ZS sensors, which are available in a variety of zone and equipment sensing combinations
- Supports OptiPoint™ touchscreen interfaces for managing and troubleshooting the connected equipment easily and for occupant engagement
- Supports live, visual displays of control logic, helping operators troubleshoot and optimize system operation
- Quick & easy test and balancing process

Hardware Features

- Controls up to 14 points (5 binary outputs , 6 inputs and 3 analog outputs)
- Supports native BACnet over MS/TP communications when required
- Fast, powerful, and fully distributed control allows complete independence from any other devices in the system
- Firmware upgrades can be performed remotely
- Easy startup and commissioning using the WebCTRL system user interfaces
- Battery-backed real-time clock keeps time in the event of power failure or network interruption



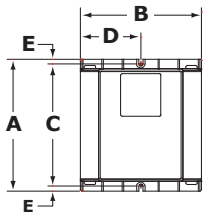
WebCTRL®

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

Part #	SE563a & SE563sp Single Equipment Controllers
BACnet Conformance	BTL Tested and conforms to the BACnet Advanced Application Controller (B-AAC) standard device profile, as defined in BACnet 135-2012 Annex L, Protocol Revision 9 Please see BTL listing page
Power	24 Vac +/- 10%, 50 - 60Hz, 18 VA | 26 Vdc (25 V min, 30 V max) Single class 2 source only, 100 VA or less
Communication	
BACnet Port	Communication with the controller network using MS/TP (9,600 bps-76.8 kbps)
Rnet Port	12VDC @ 210mA supporting: -Up to (5 for SE563sp) and (10 for SE563a) wireless and/or ZS sensors -OptiPoint™ IAQ displays and OptiPoint equipment interfaces
Local Access Port	For system start-up and troubleshooting
Inputs	
6	Inputs 1-6 are configurable for thermistor or dry contact. Inputs 1 and 2 are also configurable for 0-5 Vdc sensors. Inputs 5 and 6 are also configurable to connect a LogiStat sensor.
Pulse Frequency	Maximum of 10 pulses per second. Resolution: 10 bit A/D
Outputs	
Binary Output	5 binary outputs, relay contacts rated at 1 A max at 24 Vac/Vdc
Analog Output	3 analog outputs, 0-10 Vdc (5 mA max) Resolution: 8 bit D/A
Status Indicators	LED's indicate status of communications, running, errors, and power
Environmental Range	0 to 130°F (-17.8 to 54.4°C), 10–90% relative humidity, non-condensing
Physical	Rugged GE C2950HF Cycoloy plastic
Memory	1 MB non-volatile battery-backed RAM, 4 MB flash memory, 16-bit memory bus
Real Time Clock	Real-time clock keeps track of time in the event of a power failure
Compliance	**United States:** FCC compliant to Title CFR47, Chapter 1, Subchapter A, Part 15, Subpart B, Class A. UL Listed, File E143900; CCN PAZX, UL916, Energy Management Equipment; **AS/NZS:** RCM Mark, IEC 61000-6-3; **Canada:** UL Listed File E143900, CCN PAZX7, CAN/CSA C22.2 No. 205 Signal Equip., Industry Canada Compliant, ICES-003, Class A; CE Mark Compliant with 2014/30/EU, and RoHS Compliant: 2015/863/EU; **UKCA** Mark compliant with Electromagnetic Compatibility Regulations 2016 – Gov.UK and RoHS for Electrical and Electronic Equipment 2012, REACH compliant
Plastic Rating	Fire-retardant plastic ABS, UL94-5VA
Battery	10-year Lithium CR2032 battery ensures data is retained for a maximum of 10,000 hours: time, graphics, control programs, editable properties, schedules, trends
Protection	Built-in surge and transient protection for power and communications in compliance with EN-61000-6-1
Optional Accessory	Wire-covers (#PLM-KIT), to support plenum mounting where code or specification requires

Figure 1: Physical Dimensions



	in.	cm
Width:	**5.13**	**13.0**
Height:	**5.63**	**14.3**
Depth:	**1.63**	**4.1**
Weight:	**.44 lbs**	**0.20 kg**

Assembled in the United States

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