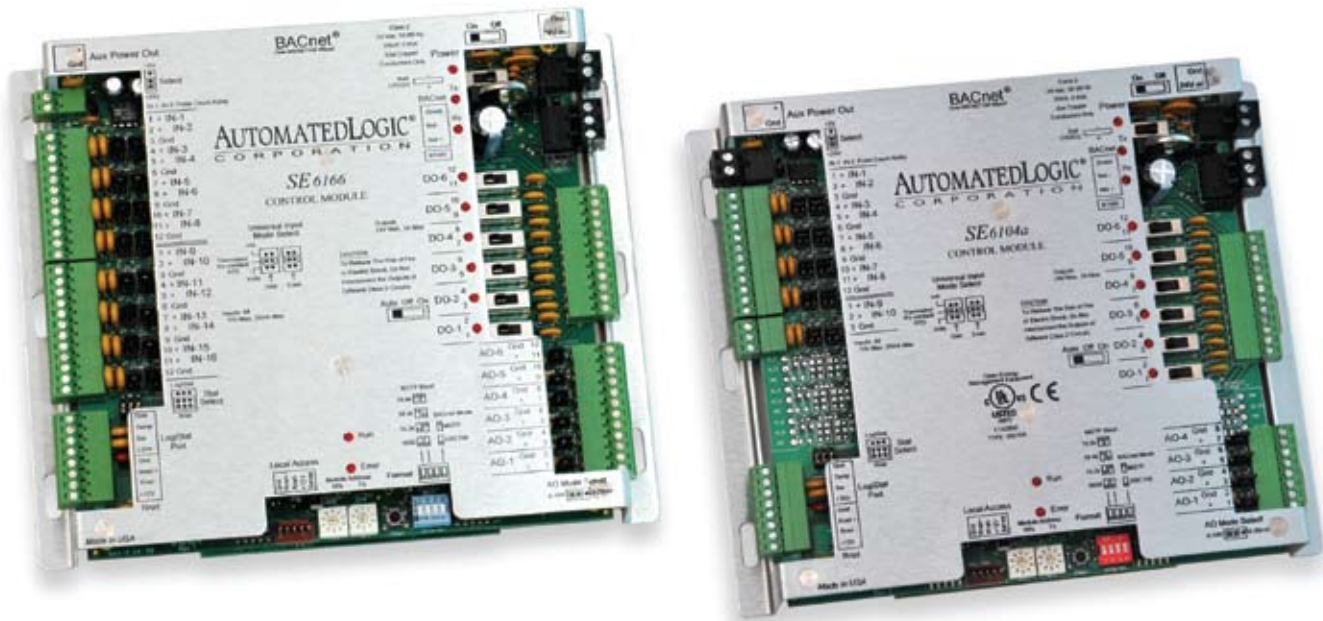


SE6166 /SE6104

Rugged Flexibility for Single Equipment Applications



Automated Logic's powerful SE line provides a rugged solution for single equipment applications. Designed to operate in a wide range of environmental conditions, SE controllers can be used in rooftop units, mechanical rooms, equipment closets, or almost any other weather tight location. Fully programmable using the EIKON®-LogicBuilder graphic programming language, SE controllers use native BACnet communications over either a high-speed ARCNET 156 Kbps network or a medium speed MS/TP network to provide maximum flexibility and interoperability.

Key Features and Benefits

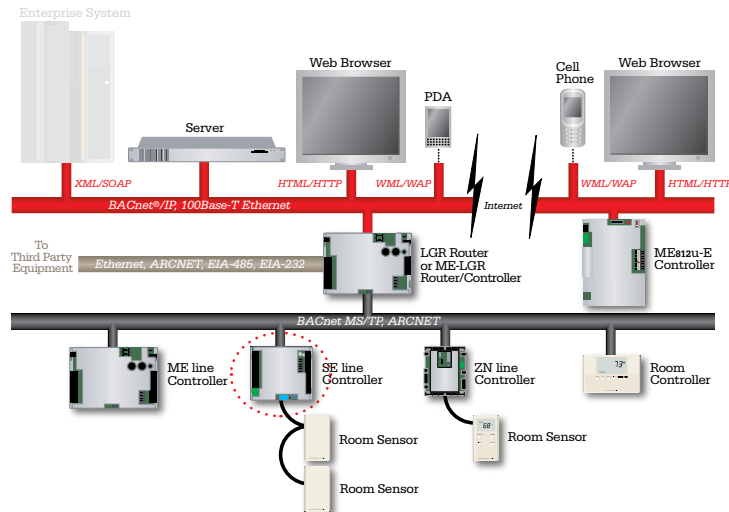
- Native BACnet communications to field devices over a high-speed ARCNET 156 Kbps or BACnet MS/TP network.
- 12-bit Analog to Digital converter provides extreme precision on all inputs. Pulse counting capability up to 40 Hz is available on selected inputs.
- Uses a high-speed microprocessor with 1 MByte Flash memory and 1 MByte of RAM for unparalleled programmability. Firmware upgrades can be downloaded remotely – no chip replacement necessary.
- Battery backed real-time clock provides true stand-alone capabilities. Control modules recover from power failures providing full continuity of scheduled operations, even when communications are disrupted.
- Rnet port supports Automated Logic's line of RS room sensors and BACview⁶ local operator interface, and provides local access to the system.
- SE line controllers are fully graphically programmable and offer full peer-to-peer communications with other SE line, ME line or ZN line controllers. Graphical programs are universally understood and provide self-documenting control sequences.
- Tough construction delivers superior performance and reliability. Control modules are constructed with a rugged aluminum cover, which provides optimum electrical protection and noise immunity.

AUTOMATEDLOGIC[®]
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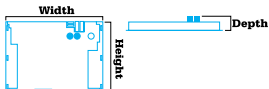
SE6166 /SE6104

Specifications



| | |
|--------------------------------|--|
| BACnet Support: | Conforms to the Advanced Application Controller (B-AAC) Standard Device Profile as defined in BACnet 135-2001 Annex L. |
| Communication: | The following ports are available on the SE control modules: EIA-485 port for ARCNET 156 Kbps or MS/TP (9600 bps – 76.8 kbps). Rnet Port supports: 1. Local access for system start-up and troubleshooting. 2. Local operator interface BACview [®] . 3. RS Room Sensors - one RS Pro and up to four RS room sensors for averaging or high/low select control. |
| Binary Outputs: | SE6166 and SE6104 have six binary outputs, relay contact rated at 3A max @ 24 V-ac, configured normally open with hand-off auto switches. |
| Universal Inputs: | SE6166 - 16 configurable universal inputs, SE6104 - 10 configurable universal inputs, both with 12-bit A/D resolution. Supported input types include: 0-5 V-dc, 0-10 V-dc, 0-20 mA, Thermistor (10k Ohm Type II), 1k Ohm RTD (Platinum, Nickel or Balco), and Dry Contact. NOTE: Inputs 1 and 2 support pulse counting up to 40 cycles per second (40 Hz). |
| Analog Outputs: | SE6166 - six analog outputs, SE6104 - four analog outputs, both with 0-10 V-dc or 0-20mA selectable with 8-bit resolution. |
| Microprocessor: | High speed microprocessor with ARCNET communication co-processor. |
| Memory: | 1 MByte non-volatile battery-backed RAM, 1 MByte Flash memory, 16-bit memory bus. (Shelf life of the battery is 10 years with 10,000 hours of continuous operation.) |
| Real-time Clock: | Battery-backed real-time clock. |
| Status Indicators: | LED status indicators for EIA-485 communication, running, error, power and all digital outputs. |
| Module Addressing: | Rotary dip switches for intuitive network addressing of modules. |
| Protection: | Built-in surge and transient protection circuitry for power, communications, inputs and outputs. |
| Listed by: | UL916 (Canadian Std C22.2 No. 205-M1983), CE, FCC Part 15 – Subpart B – Class A. |
| Environmental Operating Range: | -20°F to 140°F (-29°C to 60°C); 10 to 90% relative humidity, non-condensing. NOTE: Control modules should be mounted in protective enclosures. |
| Power Requirements: | 24 V-ac ± 10%, 26 V-dc (25 V min, 30 V max), 50 to 60Hz, 20VA. NOTE: Power consumption will increase when BACview or other accessories are attached. |
| Physical: | Rugged aluminum cover. Removable screw terminal blocks. |
| Weight: | 0.6 lb. (0.27 kg). |

| Dimensions: | Overall | Mounting |
|-------------|------------------------------|--------------------------|
| Width | 8.3" (211mm) | Width: 7.835" (199mm) |
| Height | 7" (178mm) | Height: 5" (127mm) |
| Depth | 1.5" (38mm) min. panel depth | 5" mounting hole spacing |



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