Features and highlights

Capable

Sixteen 10-bit universal inputs and sixteen binary outputs.

Interoperable

Fully BACnet-compliant on MS/TP LAN at up to 76.8 Kbps.



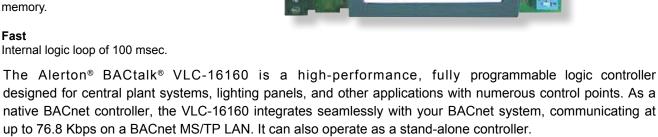
Versatile

Fully programmable control logic can be field-modified.

Reliable

AZ60 processor and extensive on-board filtering, with all program data backed up in nonvolatile flash memory.

Fast



The VLC-16160 supports the Alerton Microset™, Microset II, and Microtouch™ intelligent wall sensors, which offer convenient data display, setpoint adjustment, and technician access to equipment setup parameters.

All VLC-16160 control logic is programmed with Alerton's easy-to-learn graphical programming language, VisualLogic[®]. Programming and setup data are stored in nonvolatile flash memory, ensuring stable and reliable operation.

The VLC-16160 is built for high-speed processing, with an internal logical loop time of 100 msec. Programmable timers also maintain a resolution of 100 msec. High-resolution, 10-bit analog inputs are software configurable to accept thermistor, dry contact, 1-5 VDC, or 4-20 mA signals.



Technical Data

- Power 24 VAC @ 20 VA min., plus binary output loads (220 VA max.). Utilizes a half-wave rectifier, which allows a single transformer to power multiple VLCs. One leg of 24 VAC connects to earth (panel) ground.
- Inputs 16 inputs with 10-bit resolution. Input 0 can be used for a BACtalk Microset. All inputs are software configurable to accept thermistor/dry contact, 1–5 VDC, or 4–20 mA signals.
- **Binary Outputs** 16 outputs, each rated at 24 VAC, 0.47 A. The outputs utilize hot-switched triacs, which have a common connection to the fused 24 VAC supply.
- 24VDC Output Up to 100 mA of 24 VDC power is provided to power transducers or other devices.
- **Processor & Memory** Motorola AZ60 processor with on-board flash memory. Flash memory provides nonvolatile program and data storage, and allows for encrypted updates to the program for future product enhancements.
- Max. Dimensions 6.98" (178mm)H x 4.85" (124mm)W x 1.50" (39mm)D.
- Terminations Removable header-type screw terminals accept 14–24 AWG wire.
- Environmental 0–158 deg. F (-17–70 deg. C). 0–95% RH, non-condensing.
- Communications BACnet MS/TP LAN up to 76.8 Kbps.
- BACnet Conformance ASC level device; tested and approved by BTL. See Protocol Implementation Conformance Statement (PICS).

Ratings

Listed Underwriters Laboratory for Open Energy Management Equipment (PAZX) under the UL Standard for Safety 916; listing includes both U.S. and Canadian certification

EMC Directive 89/336/EEC (European CE Mark)

FCC Part 15, Subpart J, Class A