

OPERATE BUILDINGS MORE EFFICIENTLY WITH ALERTON IP CONTROL



ALERTON UNITARY CONTROLLERS

IP technology can now serve as the core of your building's operational strategy, even in the presence of older infrastructure. The Alerton Unitary Controllers prepare you for the future and the next generation of internet-based control systems.

ALERTON

Take advantage of IP-grade cybersecurity, universal I/Os, and Bluetooth technology for setup and validation through a mobile app, so technicians can leave the ladders on the truck, and you can save cost.

Your HVAC system is more efficient, more flexible, and more cyber-resilient now and in the future when it's a part of your building's IP network - there has never been a more affordable solution and convenient time to make the transition.

The new Alerton Unitary Controllers support BACnet IP™ (CAT5/6 & T1L) communication enabling you to safely transfer HVAC data without disruptive and expensive infrastructure upgrades - turning older technology into part of a new era of Alerton IP control.

With security of a connected building control system at top of mind, your OT system will now have access to the same level of cybersecurity that your IT network does.

FLEXIBILITY BUILT IN

- Ideal for fan coils, split systems, unitary vents, air handlers, or other self-contained units
- Daisy chain ethernet connection ensures reliable data speed over greater distance
- T1L technology allows you to upgrade to IP without having to rewire your network
- Connect to the controller via Bluetooth Low Energy (BLE): easy pairing without having to access the ceiling for wiring checks using the BMS Startup mobile app.
- Secure communication. Your OT network can be as secure as your IT network
- Fully and freely programmable - execute more complex calculations to meet the needs of demanding building systems sequences of operations such as ASHRAE Guideline 36
- Integrated modbus subnet supporting up to 8 devices such as Sensors, VFD's, and other Field Devices.

EASY TO INSTALL AND COMMISSION

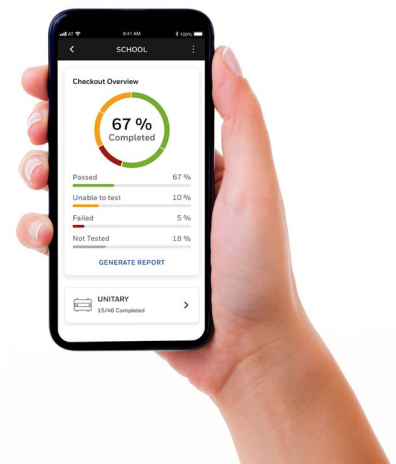
- Mounting in fuse boxes on DIN rails or walls
- Relays which can handle up to 277 VAC and high inrush current (100 A)
- Power supply 24 VAC or DC
- Optional terminal covers and strain relief via cable ties

SIMPLE TO SERVICE

- Convenient retrofit from prior Alerton models
- Color-coded and removable screw terminals to better identify function and placement - can be swapped without disconnecting wires
- Program with Alerton's VisualLogic™ - no secondary software needed
- Supports Microtouch, Microset, Microset II, and Microset 4 wall modules



Alerton Unitary Controller



Download BMS Startup mobile app to easily check wiring, monitor project progress and generate reports, thus saving time and reducing the costs of commissioning

| PART NUMBER | HOUSING | UNIVERSAL IO | SOLID STATE RELAY (SSR) | SPDT RELAY | COMMUNICATION | MSET BUS | BLUETOOTH |
|-----------------|---------|--------------|-------------------------|------------|---------------------|----------|-----------|
| VLC8u8-IP | Small | 8 | 4 | 4 | BACnet® IP (CAT5/6) | Yes | No |
| VLC8u8-IP-BLE | Small | 8 | 4 | 4 | BACnet® IP (CAT5/6) | Yes | Yes |
| VLC8u8-T1L | Small | 8 | 4 | 4 | BACnet® IP (T1L) | Yes | No |
| VLC8u8-T1L-BLE | Small | 8 | 4 | 4 | BACnet® IP (T1L) | Yes | Yes |
| VLC16u8-IP | Large | 16 | 4 | 4 | BACnet® IP (CAT5/6) | Yes | No |
| VLC16u8-IP-BLE | Large | 16 | 4 | 4 | BACnet® IP (CAT5/6) | Yes | Yes |
| VLC16u8-T1L | Large | 16 | 4 | 4 | BACnet® IP (T1L) | Yes | No |
| VLC16u8-T1L-BLE | Large | 16 | 4 | | BACnet® IP (T1L) | Yes | Yes |

Note: CAT5 cables are used primarily because they offer a connection speed of 100 Mbps. This helps to avoid confusion regarding the actual speed of the connection. CAT6 cables can also support up to 10 Gbps, but this higher capacity would not be fully utilized in the current setup, as the network infrastructure is designed for 100 Mbps.

SMARTER BUILDING INTEGRATION IS HERE

With our newest Alerton Unitary Controllers, any building system can enjoy the same advantages of IP control as a new, state-of-the-art facility.

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Smarter Buildings Start Here