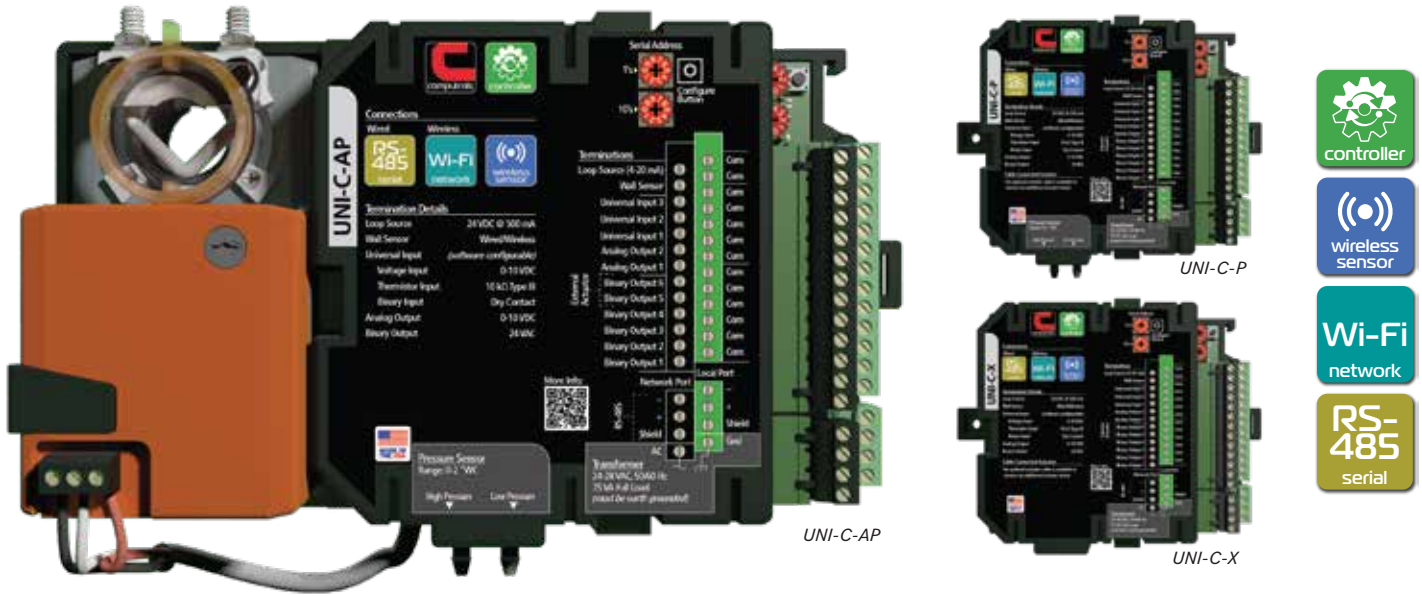


UNI-C Unitary Controller

The UNI-C is the latest product in Computrols line of Unitary controllers, built as the successor to the UNI-B. In addition to carrying the UNI-B's long-standing features such as a high-quality Belimo actuator motor, on-board pressure sensor, and of course a lifetime warranty, the UNI-C provides a new technology set that will allow it to thrive in the coming decade. It's larger and faster brain and multiple high-speed wireless radios offer more power and options than ever before.



Product Highlights

Wireless Connectivity

Onboard wireless capabilities offer forward compatibility with Computrols upcoming wireless ecosystem.

Fully Programmable

Program the UNI-C with any sequence of operations you like.

Convenient Package

Controller comes in a handy case for easy mounting with bright on-board LEDs to assist in troubleshooting.

Easily Addressable

Two decimal rotary switches (0-9) allow simple addressing – no hex, no binary.

Removable Screw Terminals

Allows for quick replacement.

Available Motor Upgrade

The provided binary output operated motor can be upgraded to an analog output version for a fee.

Multiple Actuator Support

Add an optional damper actuator using either analog or binary outputs.

Flexible Sensor Capability

Supports 10K Type III thermistors or a selection of digital display wall stats.

Common Hardware Specifications

Wireless Communications	Sensors: Wireless Sensor Connection Network: Wi-Fi
Legacy/Wired Communications	Sensors: 2-Wire Digital Thermostat Network: RS-485 Serial
Computer	Processor: 900 MHz ARM Cortex A7 Memory: 8 GB non-volatile, 512 MB RAM
Dimensions	AP: 4-13/16" W x 8-7/8" L x 2-5/8" H P, X: 5-9/16" W x 7-1/16" L x 2-1/8" H
Wall Sensor(s)	Wireless: Multiple Computrols Wall Sensors Wired: (1) Digital Thermostat
Universal Inputs	3 Total , Individually configurable as one of: <ul style="list-style-type: none"> • 10K Type III Thermistor, • 0-10VDC • 4-20mA, or • Binary Input (Dry Contact)
Analog Outputs	2 Total , 0-10VDC with 20mA max output
Binary Outputs	6 Total , 24VAC triac, 30VA total
4-20mA Loop Source	1 Total , 24VDC @ 500mA max
Power Requirements	24VAC (+/- 20%), 50/60Hz 5VA Quiescent, 75VA full load
Enclosure	Surface mount. Conforms to NEMA-1 requirements. Meets UL 94-5V flammability for plenum application use.
Terminal Blocks	Removable Terminal Blocks Supports 12-30 AWG wire.
External Actuator Motor	A 24VAC external actuator motor can be controlled through a custom-ordered cable. See Installation Instructions for more info.

Model Hardware Specifications

Common Hardware Specifications	see above
Pressure Sensor (UNI-C-AP, P Only)	Range: 0 to 2 Inches of Water Column ("WC) Accuracy: +/- 0.2 "WC @ 1.0 "WC Type: Silicon Differential Pressure Sensor Connection: High and Low pressure taps Made for 1/4" pneumatic tubing.
Actuator Motor (UNI-C-AP Only)	Torque Rating: 45 lb.-in. (5 N-m) Stroke: Full adjustable from 0° to 90° Timing: Approximately 2 minutes at 60 Hz (3.6 minutes at 50 Hz) for 90° rotation @24 VAC

Related Products

Computrols App	Available for download for iOS and Android devices, the Computrols App is used for field interaction with UNI-C controllers. This includes: Configuration, Status Viewing and Programming.
Serial Connector	The Computrols Serial Connector connects to the Building Automation Network via a CAT5/6 network connection and supports up to 3 RS-485 communication channels.
8-LX 16-LX 32-LX 64-LX	Computrols LX controllers work seamlessly with UNI-C. Typical applications include LX controllers in the Mechanical Room for large Air Handlers, UNI-Cs out on the floor for VAVs.
Wall Sensor	All Computrols Wall Sensor models work natively and pair easily with UNI-C Controllers. Typical applications utilize one or more of these wireless sensors for monitoring of tenant space.
MicroNet Sensor	A 2-wire communication port still exists to support existing MicroNet wall sensor applications. <i>Not recommended for new installations.</i>

UNI-C Models

		
UNI-C-X	UNI-C-P	UNI-C-AP
✓	✓	✓
	✓	✓
		✓

Software Features

Fully Programmable	Like their larger cousins, the LX controllers, UNI-C controllers are fully programmable.	PID Loops	CBAS PIDs feature auto-tuning, integral windup control, binary lockouts and so much more.
Weekly and Overtime Schedules	Program regular weekly schedules by the day of the week, include holidays and one time events.	If/Then Logic	Use Computrols' powerful English Language programming to achieve anything you desire.

