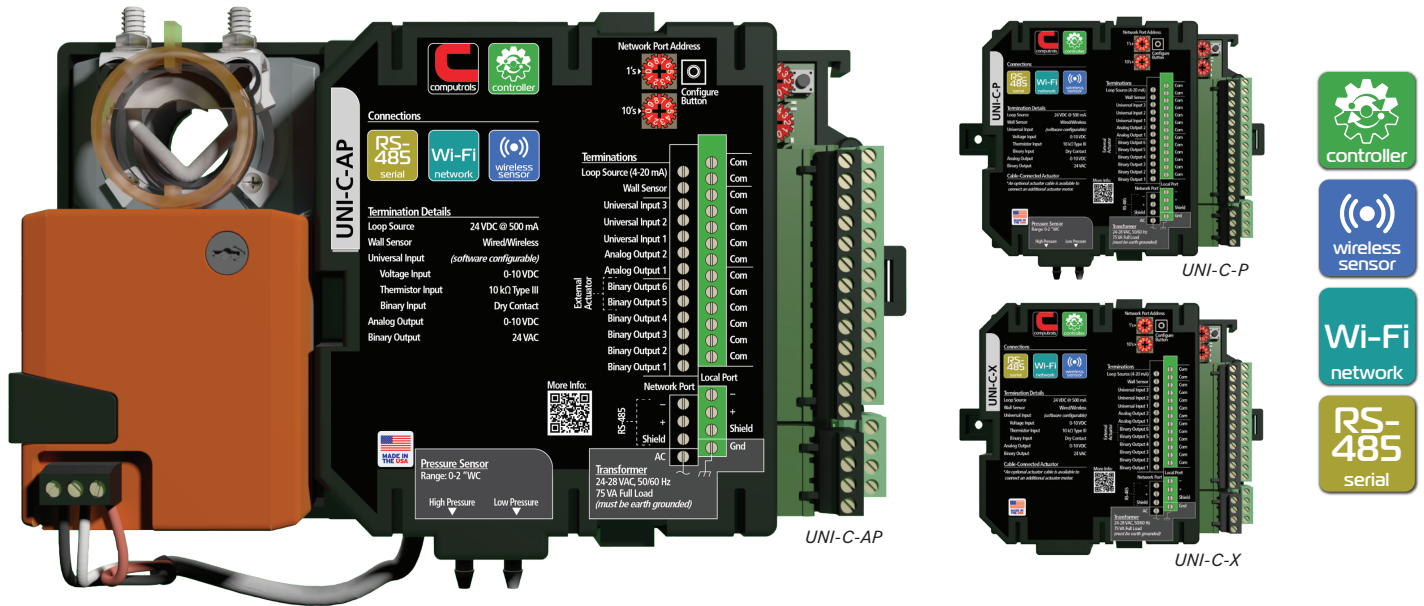


UNI-C Unitary Controller

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

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 (2.4GHz band only)
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)	Computrols Wall Sensor/Wall Sensor Display MN-S(x) Digital thermostats
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 (+/- 10%), 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.

