

# UNI-B-X

## Unitary Controller

With over 20 years in the industry, Computrols has established a solid reputation as a leader in automation systems from hardware to software. For open applications, Computrols provides the most flexible products available.

### Product Highlights

#### Convenient Package

Controller comes in a sleek package for mounting easily.

#### Easily Addressable

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

#### Removable Screw Terminals

Allows for quick replacement.

#### Status Indicators

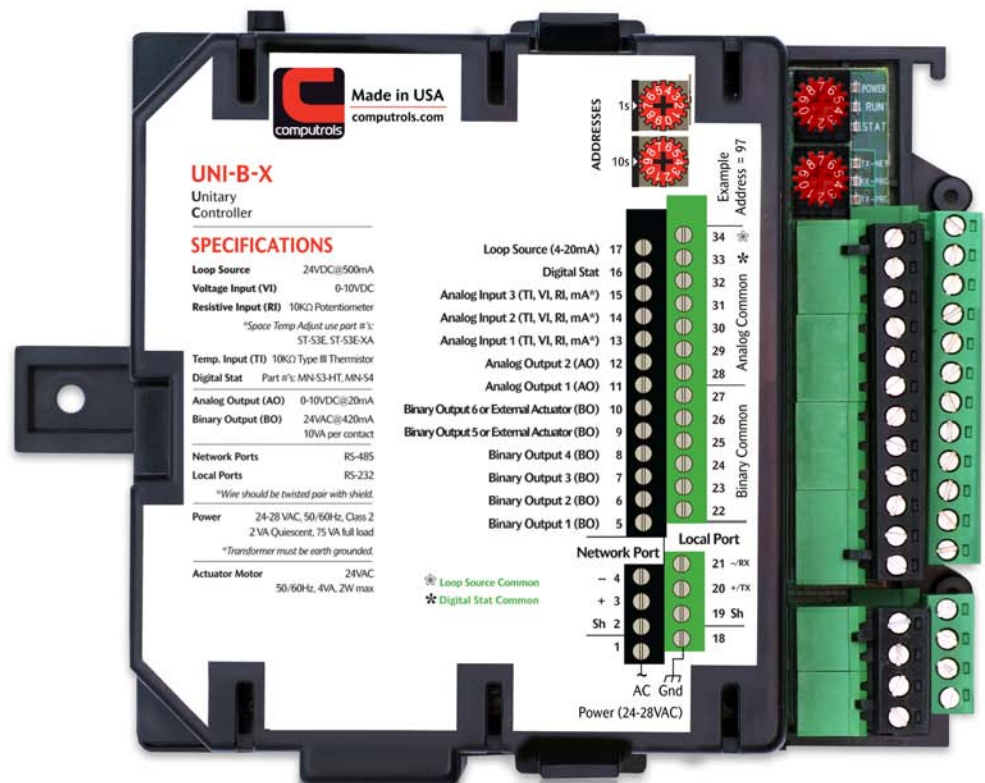
Bright on-board LEDs assist in troubleshooting.

#### 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.



# UNI - B - X

Unitary Controller with **B**elimo Bracket Box



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## Hardware Specifications

Power Supply Input	24VAC $\pm$ 20% 50/60Hz Class 2 transformer
Power Requirements	2VA Quiescent, 75VA full load
Analog Input Types	<b>Three total:</b> Configurable for either resistance (10K Type III thermistor), or voltage 0-10VDC input. Analog Input 4 accessible on external cable
Analog Output Types	Two selectable voltage source output as 0-10VDC @20mA max analog outputs.
4-20mA Loop Source	24VDC @100mA max loop source.
Binary Output Types	Six 24VAC triac controlled outputs, (420 mA max per output).
Electrical Connections	Pluggable terminal blocks, capable of accommodating 14-22 AWG wire.
Communication Ports	RS485 communication ports.
Digital Thermostat Output	One dedicated digital LCD Room temperature/humidity sensor

## Hardware Specifications (continued)

Microprocessor	Intel 386EX, 25MHz, 1 MB Flash ROM, 512k RAM, Real Time Clock with 10yr + Lithium battery backup.
Dimensions	5-9/16" W x 7-1/16" L x 2-1/8" H
Ambient Limits	<b>Operating Temperature:</b> 32 to 158 °F <b>Shipping and Storage:</b> -40 to 160 °F <b>Humidity:</b> 5 to 95% RH, non-condensing
Enclosure	Surface mount. Conforms to NEMA-1 requirements. Meets UL94-5V flammability for plenum application use.

## Parts and Accessories

Part Number	Description
UNI-B-X	Unitary controller
MN-S3-700	LCD room temperature sensor (200 feet maximum distance from controller).
MN-S3-HT	LCD room temperature and humidity sensor (200 feet maximum distance from controller).
MN-S4	LCD room temperature sensor (200 feet maximum distance from controller) with 3-speed fan control.
MN-COMM	Commissioning program for the MN series wall stats.
ST-S3E	Space temperature sensor.
ST-S3E-XA	Space temperature sensor with set point adjustment.
ST-D3-XH	Duct temperature sensor.
VP1	Voltage to pressure transducer (3-18 PSI).
PV3	Differential pressure transmitter (Specify 0-1", 0-2", or 0-5" W.C.)
DCM24-44	0-10VDC 44 in.-lb. actuator mfg. by Delta.

