64X Professional HVAC Controller

With over 24 years in the industry, Computrols has established a solid reputation as a leader in automation systems from hardware to software. When it comes to controlling large heating, ventilation, and air-conditioning systems, our Professional line of controllers are the best in the business. For the largest equipment and central plant automation, the 64X meets the challenge.

Product Highlights

4-in-1 Points
Any point can be configured through software to be Analog In, Analog Out, Binary In, or Binary Out – no jumpers.

Large Screw Terminals
No special screwdrivers – simple secure terminations.

Status Indicators
Bright on-board LEDs assist in troubleshooting.

On-Board Web Server
Directly connect a normal web browser for simple management.

10 Mbps Ethernet Port
High speed communications allow the ultimate in flexibility and snappy response.

Easily Addressable
3 decimal rotary switches (0-9) allow simple addressing – no hex, no binary.
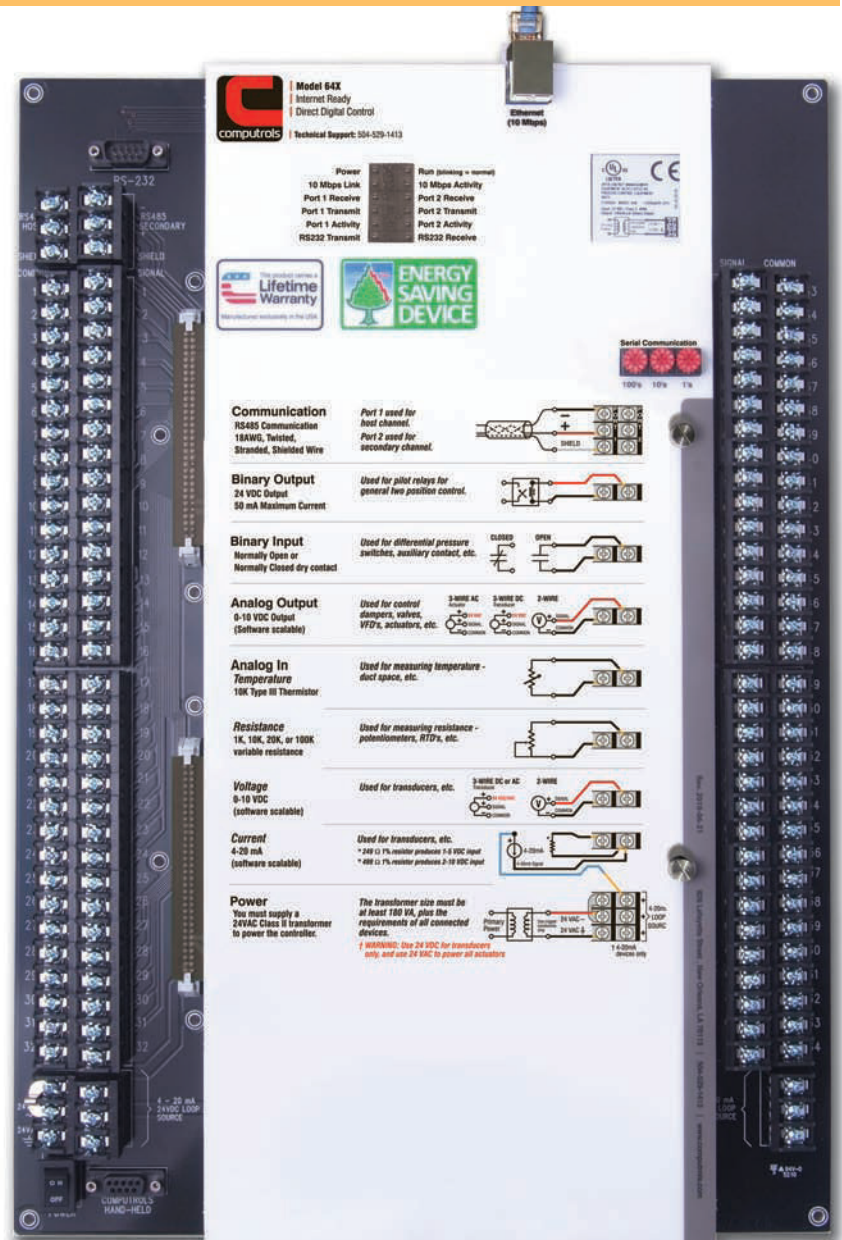
UL Listed
Mature product which meets industry standard requirements.

Two-Board Design
All of the electronics are on one easily replaceable brain board for quick repairs.

Lifetime Warranty
Our quality speaks for itself.

Specifications

Software Compatibility	Works with all versions of CBAS: Professional, Commercial, and Utility.
Power Requirements	50VA @ 24 Vac 50/60 Hz Class 2 transformer
Point Configuration	All points software configurable as analog inputs, binary inputs, analog outputs, or binary outputs.
Analog Output Specifcations	0-10 Vdc voltage type
Binary Output Specifications	24 Vdc @ 50 mA
Analog Input Specifications	10K Ohm TYPE III thermistor 0-10 Vdc 4-20 mA 0-32K Ohm resistive (scalable)
Binary Input Specifications	Dry contact - switch closure Pulse dry contact 5Hz max repitition rate, 100 msec (min) pulse width
Voltage Protection	250 Vac on each point terminal
Electrical Connections	Barrier terminal block 18 -24 AWG 24 Vdc loop source terminals (1.28 Amps maximum)
Internet Capability	IP addressable on-board web server
Communication Ports	10 Mbps RJ-45 Ethernet TCP/IP, 100 meter maximum distance One RS485 CBAS communication 9600 Baud One RS485 interface port 9600 Baud Local hand held terminal
Microprocessor	Intel 386 25 MHz, 3 MB Flash, 1MB SRAM 2K NVRAM Real time clock with 10 year data retention
Dimensions	12.75" W x 18.25" L x 1.25" H
Mounting	Mount in NEMA rated enclosure
Shipping Weight	5 lbs.
Environmental	32 - 158 Deg. F, 10 - 90 %RH non-condensing
Agency Compliance	E195258 UL 916 (PAZX) Energy Management Equipment Canadian Standard C22.2 No. 205-M1983 E231285 UL 61010C-1 (QUYZ) Electrical Process Control Equipment Canadian Standard C22.2 No. 1010 CE IEC 61010-1 (1990) with Amendments 1 (1992) and 2 (1995)

Parts and Accessories

Part Number	Description
64X	64 binary or analog points. Controller only - enclosure and transformer required.
64X-NEMA1	64X controller mounted in NEMA 1 indoor enclosure with transformer.
64X-NEMA4X	64X controller mounted in NEMA 4X outdoor enclosure with transformer.
HHT	Hand Held Terminal
ST-D3-XH	10K type duct temperature sensor
ST-S3E	10K type space temperature sensor
ST-S3E-XA	10K type space temperature sensor with setpoint adjustment.
MN-S3-700	LCD room temperature sensor (200 feet maximum distance from controller). *Note: requires stat interface board STAT-IFC.*
MN-S3HT	Space temperature and humidity sensor. *Note: requires stat interface board STAT-IFC.*
STAT-IFC	Stat interface board
TXL Series	TXL Series space temperature sensor with Liquid Crystal Display.
T-PB202-0	4.0 amp power supply with 120 Vac outlet.
VMD2B-F24D	VMD series 24Vdc relay switch with override switch.
DCM24-44, DM24-53, DM24-280	Direct coupled actuators. Part numbers indicate torque ratings.
VP1	VTP voltage pressure transducer (3-15 PSI)
PV3	Differential pressure transmitter (Specify 0-1", 0-2" or 0-5" W.C.)
H-922	Analog current sensor
H8035/8036 Series	3 phase networked (MODBUS RTU) KW/KWH power meter

Professional

MANUFACTURED EXCLUSIVELY IN THE USA

computrols

ENERGY STAR PARTNER