

LX Controller

With universal points and its unique two-piece board design, this controller provides an unprecedented level of flexibility for installers and operators. The LX also has two universal RS-485 communication ports that can be used to communicate with over 25 proprietary and open protocols (BACnet, Modbus, N2, FLN, TSC, I/NET, Comm 4, etc.). This gives building owners the ability to leverage their existing infrastructure while upgrading to a new system.



Product Highlights

Universal Inputs and Outputs

With point counts of 8, 16, 32, and 64, the LX Controller provides installers software-configurable, true universal i/o making engineering and applying the product a breeze.

Two-Piece Board Design

Computrols innovative two-board design makes changing or upgrading these controllers a simple process, eliminating downtime. It's also how we effectively support our lifetime warranty.

Protocol Master

Every LX Controller is able to natively communicate both the open protocols of our industry and many of our competitors' legacy, proprietary protocols. This gives building owners a migration path forward away from the cumbersome, proprietary systems that plague our industry.

BACnet

Modbus

Siemens FLN/BLN

JCI N2

Trane Comm 4

Teletrol TSC

CSI I/NET

Barber Colman

Siebe DMS

OPTO-22

And more...

Protocol Router

As a protocol router, the LX is able to expose a wide selection of legacy, proprietary protocols as BACnet IP points using the intuitive Computrols Building Automation Software (CBAS) as a programming tool.

Wireless Ready + App Configuration

With the simple addition of a USB radio, the LX can be easily configured with the Computrols app and communicate directly with Computrols upcoming wireless line of BLE sensors.

Common Hardware Specifications

System Compatibility	Compatible with all versions of CBAS	Point Configuration	All points software configurable as analog inputs, binary inputs, analog outputs, or binary outputs.
Microprocessor	Sitara ARM Cortex-A8; 4GB non-volatile memory (expandable to 32GB); 512MB RAM	Analog Output Specifications	0-10 VDC voltage type
Communication Ports	10/100 Mbps RJ-45 Ethernet (100m max distance); Two multi-protocol RS485 serial ports; Local hand held terminal	Binary Output Specifications	24VDC@50 mA
Internet Protocols	TCP; UDP; DHCP; Ping; SNMP; HTTP; HTTPS; FTP	Analog Input Specifications	10K Ohm TYPE III thermistor; 0-10 VDC; 4-20 mA; 0-32K Ohm resistive (scalable)
BAS Protocols	BASnet; BACnet; Modbus; OPTO-22	Binary Input Specifications	Dry contact - switch closure; Pulse dry contact 10Hz max repetition rate; 100 ms minimum pulse width
Mounting	Mount in NEMA rated enclosure	4-20 mA Loop Source	24 VDC power source provided for passive 4-20 mA sensors. Max load : 8LX = 160mA 16LX 320mA 32LX 640mA 64LX = 1.28A <i>See LX Controller Installation Guide for 4-20mA wiring details.</i>
Environmental	32-158 Deg F, 10-90 %RH non-condensing	Point Protection	250 VAC on each point terminal
Electrical Connections	Barrier terminal block 18 - 24 AWG 24 VDC loop source terminals (650 mA maximum)		

LX Models



Model Hardware Specifications	8-LX	16-LX	32-LX	64-LX
Power Requirements	50VA Minimum 100VA Recommended	75VA Minimum 150VA Recommended	100VA Minimum 250VA Recommended	200VA Minimum 300VA Recommended
Dimensions (Terminal Board)	Width-9.00" Length-8.25" Height-1.875"	Width-9.00" Length-11.25" Height-1.875"	Width-9.00" Length-17.25" Height-1.875"	Width-12.70" Length-18.00" Height-1.875"
Number of Points	8	16	32	64

