

X / LX COMPARISON

controller. These means you'll never find an LX controller in a "locked up" state. These processors have each other's backs and ensure overall proper operation.

USB: A Doorway of Opportunity

The new LX Controllers come standard with a USB 2.0 port. This convenient and powerful port is open and ready for action on the LX. Let's start with an Android device. Although you can still use the Computrols Hand Held, the ease and power of a Nexus 7 is hard to beat. Plug and play ... use your Android device to set the controller IP, view some inputs, bang around some outputs. You want to back up the database? No problem, just plug in your favorite memory stick. Webcam? WiFi? BlueTooth? Printer? You get the idea. Put inexpensive consumer devices where you need them: at the equipment. Need more ports? No problem, just add an inexpensive USB hub and plug away. The LX USB brings unprecedented convenience and flexibility to HVAC control.

Wire Check - Easy Controllers Just Got Easier

Computrols products are known in the industry for their ease-of-use and time to install. Jumbo screw terminals, two-board design, 4-in-1 points and automatic database downloading are just a few of the features that makes Computrols products so easy to install. The LX takes this philosophy to the next logical step: Wire Check. Besides the ability for each point to morph into any supported type, we've now reengineered the point circuitry to detect wiring problems and let you know when you've made a mistake:

- ▶ If you've accidentally connected a relay where the LX was expecting a temperature sensor, Wire Check will tell you.
- ▶ If you connect a 0-10 VDC output, but there's a short in the wire, Wire Check will let you know.
- ▶ If you connect a 10K thermistor, but the wiring is open, Wire Check is on the case.

Whether you're using a Hand Held, Android Device or CBAS Graphics Workstation, points with bad wiring show up as such. "Wire" becomes the state of the point.

The reason Computrols clients save money on controller installation is simply that it takes less time. With LX, that time just got even shorter. LX Controllers give you the immediate feedback that your wiring is amiss. That's before you leave the mechanical room and before you notice something funny from the status and control at the front-end. Simpler than ever ... Wire Check.

Standalone HVAC Control

Many Computrols clients configure a single X-Line controller to run standalone on a single equipment with no CBAS DPU. To do this the X-line is pre-configured with a laptop and left alone. But this type of standalone use has several limitations:

- ▶ There's easy way to monitor or make changes. It's not cost-effective to have specialized software available for one controller.
- ▶ History is unavailable. If there is a problem and service is required, there is no record of the problem or the conditions leading to the problem.
- ▶ No Graphics. Graphics provide the easiest user interface and due to storage limitations cannot be stored on the X-Line.



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Several features on the LX make this solution much more appealing and more practical for many installations:

On-board Web Server – Hit the LX from outside using the Internet and get to your controller remotely. Have “casual users” hit the LX from inside the facility for simple setpoint or scheduling changes.

Network Security – Leave the LX exposed to the Internet without fear of hacking or intrusion. You don’t need a firewall or IT person involved.

Graphics – The LX has ample storage space for CBAS Web graphics and provides an attractive and easy interface for standalone controllers.

Graphics – Leave it unattended for months without fear of crashing or locking up.

On-board History – Using a Micro SD card, histories are cached on-board for analysis or troubleshooting whenever needed.

With its new features, the LX creates great new opportunities in the Light Commercial HVAC space.

