

LX-755 Control Logix Industrial Communications



Industrial Communications Control Featuring Allen-Bradley Control Logix

The LX-755 is a complete Industrial Communications Controls Training System featuring the powerful Allen-Bradley Control Logix Processor. The Control Logix architecture is a state-of-the-art control platform that integrates multiple control disciplines: sequential, motion, drive, and process. Because of this flexible architecture, multiple controllers, network communications, and I/O can be mixed in one chassis.

With the included courseware, the trainee gains hands-on experience using Control Logix; digital, analog, and Flex I/O; Ethernet and DeviceNet networking communications in an application-oriented setting.

The system includes a student activity manual and instructor's guide that provide a thorough knowledge of the practical use of the LX-755 training system with a range of activities demonstrating real life industrial communications control platforms and situations.

Because of the LX-755's flexible design, other system hardware configurations can be created using Compact Logix, Remote I/O, ControlNet, DH+ Network, Smart Sensors, PanelView, or Motion Control (Servo or Variable Frequency Drive). Call for information on integrating other TII training systems, different brands of PLCs, networks, or hardware.

SPECIFICATIONS

The LX-755 training system is hardmounted inside a rugged case made from high strength plastic. The case is UPS shippable, has twist lock latches, and pull handle with two wheels. The case can be positioned flat or stood upright for training activities and is designed for tabletop or bench use.

Inside the case, affixed to the top of the bottom case section, is a stainless steel control panel. The panel provides the learner easy access to system components, control hardware, and convenient interfacing to other TII training systems. The Allen-Bradley control hardware is attached to a recessed metal pan that is embedded into a large panel cutout. All panel elements and features have been silkscreened for ease of identification.

Control panel components, lights, and switches can be accessed through the terminal strip. This system design flexibility enables the user to easily interface the LX-755 with other control devices.

Control Panel:

- Stainless steel control panel with large cutout for control hardware. Panel: 22 in. x 22 in. Cutout: 18 in. x 13 in.
- Sixteen Pushbutton Switches wired to PLC digital inputs: 8 n.o. maintained Red colored, 2 n.o. momentary Green colored, 4 n.o. momentary Red colored, 2 n.c. momentary Red colored.
- One Potentiometer wired to a PLC analog input.
- Sixteen Indicator Lights wired to PLC outputs: 10 Red, 2 Yellow, 2 Green, and 2 White colored lenses.
- One Panel Meter (0 – 10 V) wired to a PLC analog output.
- One 16-pole screw terminal strip with access to analog and digital inputs and outputs.

- Two 110 VAC electrical outlets for Ethernet switch and auxiliary device power access.
- Two fused power on/off switches for system and auxiliary I/O.

Control Hardware:

Processor: Control Logix 5555
Memory: 1.5 MB
Power Supply: 5 A.
I/O Chassis: 7-slot
Digital I/O: 16 Inputs, 16 Outputs
Analog I/O: 2 Inputs, 2 Outputs

Network: Ethernet and DeviceNet Bridges

Digital Flex I/O: 16 Inputs, 16 Outputs

Auxiliary Power Supply
Four-Port Ethernet Switch

Programming: RSLogix5000

Programmable Applications:

Control Logix I/O Programming
Ethernet Communications Control
DeviceNet Communications Control
Communications Troubleshooting

Optional Hardware Configurations:

Compact Logix
DH+, Control Net
Smart Devices/Sensors
Motion (Servo, VFD)
HMI: PanelView Plus
Other/Non- Allen-Bradley

System Dimensions

Case: 25 in. L x 25 in. W x 13 in. H
Shipping Weight: 60 lbs.

For more information, customer service and technical assistance, call toll-free:

New England Academic Representative:



Technology Education Concepts

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