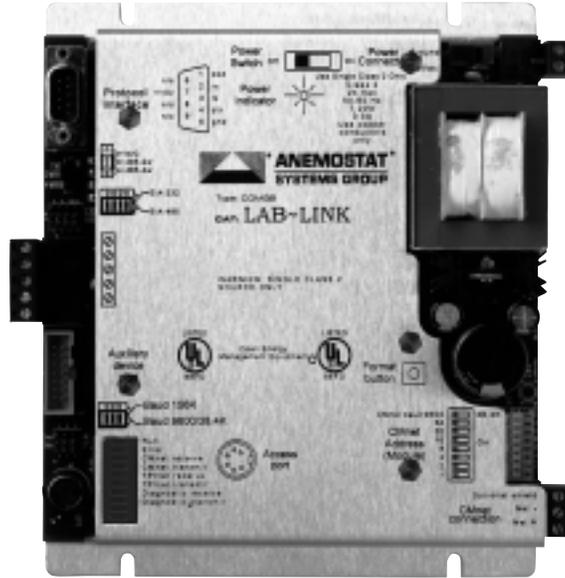


GENERAL DESCRIPTION

LAB~LINK is a microprocessor-based communication device designed to provide seamless two-way translation between the Envirotrak protocol and an industry standard protocol. LAB~LINK also provides the user with the ability to use Eikon™ graphic programming to go beyond mere translation to add sophisticated control logic.



Development times for open protocols can be expensive and costly in terms of time to market for equipment manufacturers. Because there is not a single standard, a flexible platform is needed to support multiple open standards. Coordination with various manufacturers can be difficult and expensive, and once accomplished, it can inhibit progress by discouraging changes to the OEM proprietary protocol. Equipment manufacturers need the ability to implement custom control strategies that may cross multiple pieces of equipment.



Laboratory Control Systems Inc.
2259 Scranton-Carbondale Hwy
Scranton, PA 18508

Tel: 570-487-2490
Fax: 570-487-2494
www.labcontrols.com

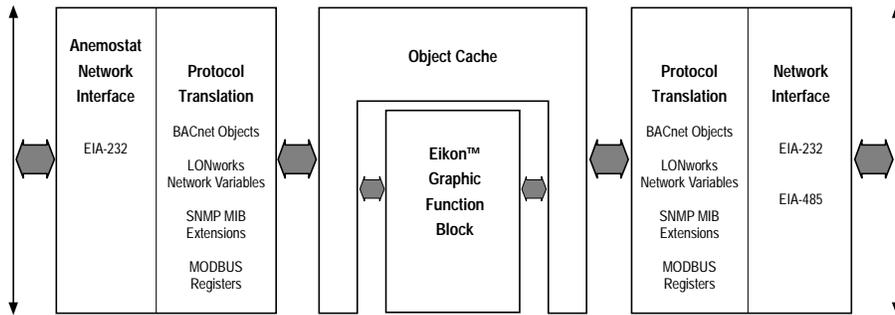
LAB~LINK addresses these issues. LAB~LINK's modular design allows it to support multiple open protocols, including BACnet, LONworks, SNMP, Modbus, J-Bus, Profibus, Batibus, CAB, in addition to the Envirotrak protocol. **An additional advantage is that the OEM does not need to notify anyone as their native OEM protocol changes versus needing to coordinate and notify multiple protocol partners. Their job is to communicate to the industry standards which the OEM is upholding through the use of LAB~LINK. This frees the OEM to concentrate their efforts on developing and improving their equipment using a protocol that works best for them while still maintaining compatibility with industry standard protocols.**

The ability to incorporate Eikon™ programs into a LAB~LINK device provides a powerful tool to create customer control strategies. Eikon's™ graphical approach to control logic programming ensures the programs are self-documenting, easy to understand, and easy to troubleshoot.

Model: LAB-LINK

ENVIROTRAK
PROTOCOL TRANSLATOR

The LAB~LINK architecture is based on a modular software component model which includes two Network Interface Components and associated protocol Translation components, a Graphic Function Block component which allows custom programming to be added using the Eikon™ Graphic Programming Tool, and an integrated Object Cache which stores point values and properties, trends, and events from each network (see diagram below).



SPECIFICATIONS

Power: 24 VAC± 10%, 0.5 A (12 VA), 50-60 Hz.

MODBUS/PTP Port: Jumper selectable EIA-232, 2-wire EIA-485, or 4-wire EIA-485. Terminal board connector. The baud rate is software selectable up to 38.4k baud.

Envirotrak Port: EIA-232, DTE, DE-9 connector. The baud rate is software selectable up to 38.4k baud.

Protocols Supported: BACnet (conformance class 4), LONworks, SNMP, Modbus, J-Bus, Profibus, Batibus, and CAB, in addition to the Envirotrak protocol.

Memory: 256kb FLASH memory, 256 kb or 1024kb battery-backed RAM (can be increased for special applications).

Status Indication: LED indicators for visual status of TPI, CMnet and Envirotrak communications, running, error, and power.

Protection: Surge and transient protection circuitry. Optically isolated communications on the port.

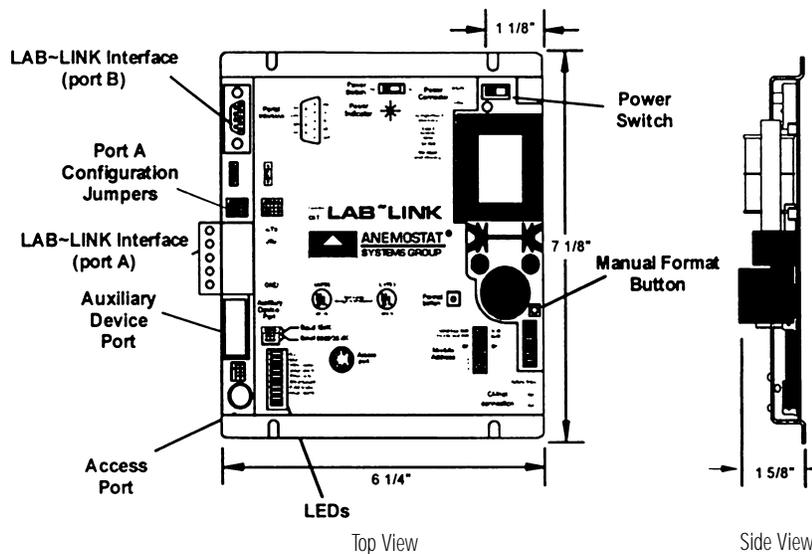
Operating Temperature Range: 0-130°F (-17.8 to 55.4°C), non-condensing.

Listed by: PAZX (UL916), PAZX7 (C-ULC22.2 No. 205-M19).



Laboratory Control Systems Inc.
2259 Scranton-Carbondale Hwy
Scranton, PA 18508

Tel: 570-487-2490
Fax: 570-487-2494
www.labcontrols.com



Model: LAB~LINK

ENVIROTRAK PROTOCOL TRANSLATOR