

L2000 Programmable Logic Controller

Communications

Networking

The L2000 can operate in peer-to-peer and/or polled fashion on RS-232, RS-485, or Ethernet. When the peer-to-peer method is chosen the L2000 can send data either at an interval or change-based to minimize communication traffic. The L2000 can communicate with up to 65,000 uniquely addressed network nodes. All data rates and settings are software selectable for ease of setup. In the event of a communications failure, the sophisticated networking software can be configured to automatically switch over to any other port, thus maintaining contact. When communications are restored, traffic may be automatically re-routed through the original port.

Remote Control (Emulation Mode)

With Remote Control, you can examine and change a variety of items on your L2000, LIQ 5™, or LIQ 4™ from another L2000 controller. The Remote Control feature provides monitoring and control across your existing communications network. Imagine the power of being able to examine and change a setpoint over a radio link on a L2000 located 10 miles away! Remote Control works across all communications media supported by the L2000.

- Acknowledge alarms
- Change any register / setpoint
- Examine and register / setpoint
- Examine or change current mode

Multi-Lingual L2000

The L2000 is not only multi-talented but multi-lingual as well. On top of all the great features it has to offer, the L2000 can also be used as a communications server and protocol converter. The L2000 speaks the following protocols fluently:

PROTOCOL	DEVICE
Data Express	TESCO LIQ IV
Sata Express Plus	TESCO LIQ 5
Modbus™ PLC	MODICON™ or other PLC
DGH (ASCII)	Remote I/O

Message Store and Forward Routing

With store and forward, the L2000 can act as a telemetry message router/bridge between other controllers/systems that would not otherwise be able to communicate because of distance or other limitations.

- Internal table configures message routed
- Support includes MODBUS and DGH protocols
- Messages may take multiple hops to reach destination
- Supports all L2000 communications media
- Messages can be routed across different media
- Automatic alternate message path routing on communication link failure



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