



FieldServer FS-B3510-01

This protocol translator/gateway provides a wealth of features to enable data transfer between different devices and networks utilizing serial, Ethernet or LonWorks protocols. The extensive library of FieldServer drivers provides easy interoperability with devices and networks used in building automation, HVAC, fire and process control industries.

Serial – Ethernet – LonWorks®

The FS-B3510 is one of the FS-X30 Series FieldServers designed to meet the needs of system integrators in designing a complete interoperable system. The FS-B30 Series brings together the powerful FieldServer driver library with state-of-the-art gateway design. This FieldServer includes four serial connections (two RS-232, two RS-485), two Ethernet ports, and a LonWorks port. The multiport design allows for serial-to-serial interfaces or interface from multiple serial products to an Ethernet or LonWorks network. The two Ethernet ports enable the integrator to connect a PC to download configuration changes without disturbing the system connections and without the additional cost of an external hub.

Specifications

Field Connections

- **Ethernet Ports – 2**
 - ◆ 10 BaseT RJ45 connector
 - ◆ 100 BaseT RJ45 connector
- **Serial Ports – 4**
 - ◆ 1 - RS-232 with RJ45 connector
 - ◆ 1 - RS-232 with DB9 connector
 - ◆ 2 - RS-485 terminal connectors
 - ◆ Up to 115K baud
- **LonWorks – 1**
 - ◆ FTT-10 twisted pair
 - ◆ 1000 Network variable capability
- **LonMark Profiles**
 - ◆ SPID: 80:00:95:46:00:84:04:03
 - ◆ Profile:
 - 0000 - Node object (1)
 - 0001 - Open Loop Sensor Object (40)
 - 0003 - Open Loop Actuator Object (40)
- **Drivers**
 - ◆ Drivers available for a wide range of Ethernet and serial protocols

LED Indicators

- Power, Run, System Error, Configuration Error, Node Offline
- Ethernet connection – Link OK, Tx/Rx communication activity
- RS-232/RS-485 – Tx/Rx communication activity

Environment

- Operating temperature: 0-65°C (32-149°F)
- Relative humidity: 10-90% RH non-condensing

Power Requirements

- 24 VAC, 12-48 VDC @ 12W

Other

- Configuration/Diagnostic utilities
- Compact Flash and I/O ports for specific driver requirements
- Base system has 1000 point capability (upgradeable to 10,000 points)

Physical Dimensions (WxDxH)

- 6.3 x 5.4 x 2.0 in. (16.0 x 13.7 x 5.0 cm)
- 2.5 lbs (1.5 Kg)

Mounting Options

- Desktop, Wall, Panel *Optional: DIN rail*

Approvals

- LonMark Certified
- OPC Self Certified
- DNP3 Certified

Options

- Memory upgrade for additional data points
- Custom Configuration Services

