



FieldServer ControlNet Slave FS-B3514-01

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

ControlNet - Serial – Ethernet

The FS-B3514 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, one ControlNet port and a LonWorks® port. This design enables integrators to link multiple serial devices to a ControlNet network. With two Ethernet ports, the integrator can 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
- **ControlNet – 1**
 - ◆ ControlNet Slave
 - ◆ ControlNet Channel A & B
 - ◆ Isolated network access port
- **LonWorks – 1**
 - ◆ FTT-10 twisted pair
 - ◆ 1000 Network variable capability

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

Power Requirements

- 24 VAC, 12-48 VDC @ 12W

Environment

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

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

- UL/ULC 916 pending
- FCC part 15 pending

Options

- Memory upgrade for additional data points
- Custom Configuration Services

