



A Sierra Monitor Company



FieldServer LonWORKS® Gateway FS-B2011

Feature rich protocol translator enables data transfer between LONWORKS® protocol and an extensive library of other serial and Ethernet protocols used in a building automation, HVAC, fire and process control industries.

LONWORKS® – Serial – Ethernet

FieldServer LonWORKS® Gateway is a protocol translator which enables devices using legacy protocols to communicate with LONWORKS networks. An example is a fire alarm panel using a proprietary manufacturer's protocol needing to supply alarm information to a LONWORKS network. In a single, comprehensive package the FS-Bridge provides the hardware and software necessary for this translation. In addition to the LONWORKS connector, the FS-B2011 includes a serial (RS-232 or RS-485) and Ethernet (10BaseT) connector. Configuration files can be downloaded via the serial or Ethernet port. All the necessary software and instructions for configuration are provided with the FS-B2011. FieldServer Technologies also offers fee based configuration services. Other FieldServers are available for other fieldbuses or for multiple port applications.

Specifications

Field Connections

- **LonWorks®**
 - ◆ FTT-10 twisted pair
 - ◆ 1000 Network variable capability
 - ◆ UNVT or SNVT variable support
 - ◆ Explicit (Polled Mode) or Implicit (Bound Mode) Addressing
- **LonMark Profiles**
 - ◆ SPID: 80:00:95:46:00:84:04:02
 - ◆ Profile:
 - 0000 - Node object (1)
 - 0001 - Open Loop Sensor Object (20)
 - 0003 - Open Loop Actuator Object (20)
- **Ethernet Port**
 - ◆ 10BaseT RJ45 connector
- **Serial Port**
 - ◆ RS-232/RS-485 selectable
 - ◆ Up to 115K baud
- **Drivers**
 - ◆ Drivers available for a wide range of Ethernet and serial protocols - check driver information sheet

Host PC Connections (for Configuration)

- Ethernet 10BaseT
- RS-232/RS-485 selectable

LED Indicators

- Power, Run, System Error, Configuration Error
- Ethernet connections– Tx/Rx communication activity
- RS-232/RS-485 - Tx/Rx communication activity

Power Requirements

- 24 VAC Floating (voltage variation ± 10%)
- 9-30 VDC @ 8W

Other

- Service Pin for LONWORKS® Node identification
- OPC server available
- Configuration utility
- Diagnostic utility
- System integration services available

Environment

- Operating temperature: 0-60°C (32-144°F)
- Relative humidity: 10-95% RH noncondensing

Physical Dimensions (W x D x H)

- 3.9 x 3.9 x 2 in.
(100 x 100 x 50 mm)
- 0.4 lbs (0.8 Kg)

Mounting Options

- Desktop
- Wall
- DIN rail

Approvals

- UL/ULC 916
- FCC part 15
- CE Mark
- LonMark Certified
- OPC Self Certified
- DNP3 Certified

