FieldServer
FS-B2010

Feature rich protocol translator bridge enables data transfer between serial and Ethernet protocols. An extensive library of drivers provides easy interoperability between a variety of devices used in building automation, HVAC, fire and process control industries.

Serial – Ethernet

FieldServer Bridge is a protocol translator gateway which enables devices using one protocol to communicate with devices using another protocol. An example is a fire alarm panel using a proprietary manufacturer's protocol needing to supply alarm information to a building automation system. In a single, comprehensive package the FS-Bridge provides the hardware and software necessary for this translation. The FS-B2010 includes serial (RS-232/RS-485) and Ethernet (10BaseT) connectors to interface to the devices. Configuration files can be downloaded via the serial port or Ethernet port. All the necessary software and instructions for configuration are supplied with the FieldServer. FieldServer Technologies also offers fee based configuration services. FieldServers are also available for various fieldbuses or multiple port applications.

Specifications

Field Connections
- **Ethernet Ports**
  - 10BaseT RJ45 connector
- **Serial Ports**
  - RS-232/RS-485 selectable
  - Up to 115K baud
  - RJ45 connector (RS-232)
  - Terminal connector (RS-485)
- **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 connection – Tx/Rx communication activity
- RS-232/RS-485 – Tx/Rx communication activity

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

Power Requirements
- 24 VAC Floating (voltage variation $\pm$ 10%)
- 9-30 VDC @ 8W

Other
- Configuration utility
- Diagnostic utility
- System integration services available

Physical Dimensions (W x D x H)
- 3.9 x 3.9 x 2.0 in. (100 x 100 x 50 mm)
- 0.4 lbs (0.8 Kg)

Mounting Options
- Desktop
- Wall
- DIN rail

Approvals
- UL 916
- FCC - Tested to comply with FCC part 15
- CE Marked

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