



## FieldServer Profibus DP Slave FS-B3512-01

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

### Profibus DP - Serial – Ethernet

The FS-B3512 is one of the FS-X35 Series FieldServers designed to meet the needs of system integrators in designing a complete interoperable system. The FS-B35 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 Profibus DP slave port and a LonWorks® port. This design enables integrators to link multiple serial devices to a Profibus 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
- **Profibus DP– 1**
  - ◆ Profibus DP Slave
  - ◆ Standard Profibus connector
  - ◆ Auto baudrate
  - ◆ Can emulate one Profibus DP Slave Station
- **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: 0-60°C (32-140°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
- CE Marked



#### Options

- Memory upgrade for additional data points
- Custom Configuration Services