

1 DESCRIPTION

The Firecom Protocol driver allows the FieldServer to capture data from Firecom devices over RS-232 using the Firecom LSN 2000 ASCII protocol. The Firecom system provides detection, monitoring and control of various fire and safety devices manufactured by the Firecom Inc. (www.firecominc.com).

The FieldServer can emulate a client Firecom device which processes unsolicited messages from the Firecom panel. The FieldServer cannot send any messages to a Firecom device and is therefore a passive client only device.

The driver supports messages sent from the Firecom Life Safety Net 2000 panel. The FieldServer, connected to a single Firecom panel, is capable of processing any messages received on that connection across any node, slot and address ranges depending on the configuration used and number of data points supported. The valid ranges of end devices are shown in the table below.

FieldServer Mode	Nodes	Slot	Addresses
Passive Client	0 - 255	0 - 9	0 - 255

2 FORMAL DRIVER TYPE

Serial
Passive Client

3 COMPATIBILITY MATRIX

FieldServer Model	Compatible with this driver
FS-x2010	Yes
FS-x2011	Yes
FSx25	No
FS-x30	Yes
FS-x40	Yes
SlotServer	No
ProtoNode	No
QuickServer FS-QS-10xx	No
QuickServer FS-QS-12xx	No
ProtoCessor FPC-ED2	No
ProtoCessor FPC-ED4	No

4 CONNECTION INFORMATION

Connection type: RS-232
 Baud Rates: 9600 (Vendor Limitation)
 Data Bits: 8 (Vendor Limitation)
 Stop Bits: 1 (Vendor Limitation)
 Parity: None (Vendor Limitation)
 Multidrop Capability: No

5 DEVICES TESTED

Device	Tested (FACTORY, SITE)
Firecom LSN 2000	FACTORY

6 COMMUNICATIONS FUNCTIONS - SUPPORTED FUNCTIONS AT A GLANCE:

6.1 Data Types Supported

The driver does not transfer typed data.

6.2 Read status commands supported

FieldServer as a Passive Client
Supervisory
Supervisory Reset
Alarm
Alarm Reset
Trouble
Trouble Reset
Warden Satation Alarm
Warden Satation Alarm Reset
System Restart
All Nodes Offline

6.3 Write (Control) Operations supported

This driver does not support any writing operations.

6.4 Unsupported read status commands

Function	Reason
Supervisory Acknowledge	Not required. Local event only
Supervisory Reset Acknowledge	Not required. Local event only
Alarm Acknowledge	Not required. Local event only
Alarm Reset Acknowledge	Not required. Local event only

Trouble Acknowledge	Not required. Local event only
Trouble Reset Acknowledge	Not required. Local event only
Pre Alarm	Not required. Local event only
Pre Alarm Acknowledge	Not required. Local event only

6.5 Functions Described

The FieldServer driver receives messages on the configured connection and monitors the messages for supported status codes. If a supported status code is detected the relevant data array is updated with the status according to the configured Map Descriptors.

6.6 Unsupported Devices or Protocol Options

All unsupported status codes are simply ignored by the FieldServer.