Firecom

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 messaged 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, can process 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

Formal Driver Type

Serial, Passive Client

Compatibility

FieldServer Model	Compatible		FieldServer Model	Compatible
ProtoCessor	No		QuickServer FS-QS-10xx	No
ProtoCarrier	No		QuickServer FS-QS-12xx	Yes
ProtoNode	No		QuickServer FS-QS-20xx	Yes
ProtoAir	No		QuickServer FS-QS-22xx	Yes
FS-B35 Series	Yes			

Connection Information

Connection Type: RS-232

Baud Rates: 9600 (Vendor Limitation)

Data Bits: 8 (Vendor Limitation)

Stop Bits: 1 (Vendor Limitation)

Parity: None

Multidrop Capability: No

Proprietary Physical Interfaces Supported

Devices Tested

Device	Tested (Factory, Site)
Firecom LSN 2000	Factory

Communication Functions

Data Types Supported

The driver does not transfer typed data.

Read Status Commands Supported

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

Write Operations Supported

This driver does not support any writing operations.

Unsupported Functions and Data Types

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

Functions Described

The FieldServer driver receives messaged 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.

Unsupported Devices or Protocol Options

All unsupported status codes are simply ignored by the FieldServer.

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