ProtoConvert Driver Sheet
Firecom

1   DESCRIPTION

The Firecom Protocol driver allows the ProtoConert 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 ProtoConvert can emulate a client Firecom device which processes unsolicited messaged from the Firecom panel. The ProtoConvert 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 ProtoConvert, 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.

ProtoConvert Mode	Nodes	Slot	Addresses
Passive Client	0 - 255	0 – 9	0 - 255

2   FORMAL DRIVER TYPE

Serial

Passive Client

3   COMPATIBILITY

ProtoConvert Model	Compatible
FS-B35 Series	Yes
ProtoNode/ProtoAir	No
ProtoConvert FS-QS-10xx	No
ProtoConvert FS-QS-122x	Yes
ProtoConvert FS-QS-20xx	No
ProtoConvert FS-QS-22xx	Yes

4   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

5   DEVICES TESTED

Device	Tested (FACTORY, SITE)
Firecom LSN 2000	FACTORY

6   COMMUNICATIONS FUNCTIONS

6.1   Data Types Supported

The driver does not transfer typed data

6.2   Read Status Commands Supported

ProtoConvert 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

6.3   Write (Control) Operations Supported

This driver does not support any writing operations.

6.4 Unsupported Functions and Data Types

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 ProtoConvert 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.

6.6 Unsupported Devices or Protocol Options

All unsupported status codes are simply ignored by the ProtoConvert.x