



FieldServer Driver - Serial FS-8700-52 *Notifier AM6000*

Description

The Notifier AM6000 driver is a serial driver. It allows the Communications Bridge to transfer data from a Notifier AM6000 panel over RS232 using Notifier AM6000 protocol.

Notifier AM6000 serial driver is a passive client only driver. This means that the driver is capable of processing and storing data from unsolicited messages sent from a Notifier panel. It is not capable of polling for data or sending data to a panel. As the driver does not provide server side functionality it is not capable of emulating a Notifier panel.

The driver receives messages intended for a system printer, interprets these messages by filling in data arrays in the FieldServer. This data is available for other devices or PLC's to read.

As the messages do not contain information which would allow this driver to differentiate messages from one panel or another, no more than one panel can be connected to a port.

The driver is based on a specification entitled "AM6000 Control Panel Serial Protocol for Printer". No revision or date information is provided with the specification.

Formal Driver Type

Serial
Passive Client only.

Connection Information

Connection type: EIA232 or EIA485 (Two wire, Half-Duplex)
Baud Rates: Notifier Panels Allow 2400 Baud only.
Driver Allows 110; 300; 600; 1200; 2400; 4800; 9600; 19200; 28800; 38400;
57600; 115200 Baud
Data Bits: 7 (Driver allows 7,8)
Stop Bits: 1 (Driver allows 1,2)
Parity: Even (Driver allows Odd, Even, None)
Multidrop Capability No
Devices tested:

Device	Tested
AM6000 Panel	Factory



Communications functions

Supported functions at a glance:

Some sample message lines that can be processed.

```
ALARM:      FIXED PHOT      LINE 05 DETECTOR ADDRESS 01      12:56 20/12/00 501
TROUBLE:    SIREN SUPERV.LINE INTERRUPTED      12:59 20/12/00
```

Messages Supported

The driver processes lines of text. It differentiates between system messages and device messages.

Lines containing a loop and device number are processed and data is stored based at a location based on the loop & device number.

All other lines are considered to be reports of system status and result in a value being stored based on the type of event being reported.

Unsupported Functions and Data Types

Function	Reason
Some system messages have a line number as apart of the message. eg. "Low Voltage on Line 10" . The driver does not report the line number.	
The date and time portion of the message lines are ignored.	

Revision History

Date	Driver Version	Document Revision	Resp	Comment
2May2002	1.00b	0	PMC	Initial Release of Fact Sheet
19May2002	1.00b	2	GFM	Releasing