Hochiki FireNET Packet Driver

FS-8700-144   **Version:1.00 / Rev. 3.B**

1   DESCRIPTION

The Hochiki Serial driver allows the FieldServer to read data from Hochiki FireNET panels over RS-232. The FieldServer acts as a Client and reads the event log queue to record the status of the panel and various devices connected to the panel. The protocol used by the Fieldserver is independent of the user interface language of the panel.

This driver is not capable of emulating a Hochiki panel.

The Hochiki FireNET panel can be a standalone panel or part of network. Each Fire Alarm Panel on the Network is considered as a Node. Up to 64 Nodes can exist on one network.

The Hochiki panel logs the events as they occur. The FieldServer continuously reads the number of events in the log queue. When new events occur, they are read from the log via the PC (J5) port. The FieldServer parses and stores the data in Data Arrays. These Data Arrays can be monitored by third party tools.

Note that the FieldServer can be configured with a large number of points. The point limits purchased with the FieldServer prevent the entire database from being accessed in any one application. It is therefore strongly advisable to ensure that only the point addresses of interest are configured, and that the FieldServer is purchased with the correct point count.

1.1 Connection Facts

FieldServer Mode	Nodes	Comments
Client	1	Only one Hochiki PC (J5) connection per port.
Server	0	This driver cannot be configured as a Server.

2   FORMAL DRIVER TYPE

Serial

Client Only

3   COMPATIBILITY MATRIX

FieldServer Model	Compatible
FS-B30	Yes
SlotServer	No
ProtoNode	No
QuickServer FS-QS-10xx	Yes
QuickServer FS-QS-12xx	Yes
ProtoCessor FPC-ED2	No
ProtoCessor FPC-ED4	No

4   CONNECTION INFORMATION

Connection Type: RS-232
Baud Rates: 19200 (Vendor limitation)
Data Bits: 8 (Vendor limitation)
Stop Bits: 1 (Vendor limitation)
Parity: None
Multidrop Capability: No

5   DEVICES TESTED

Device	Tested (FACTORY, SITE)
Hochiki FireNet 4127	Factory

6   COMMUNICATION FUNCTIONS SUPPORTED

6.1   Supported Data Types

FieldServer Data Type	Description (or Device Data Type)
Panel	To hold data for panel level events.
SLC_Loop	To hold data for SLC loop and devices connected on loop.
Nac_Board	To hold event data from NAC circuits.
IO_BOard	To hold event data from IO Boards.
Others	To hold event data that does not belong to above categories.
LED_Status	To hold panel's LED statuses.
Panel_Version	To hold panel's firmware's version.

6.2   Supported Read Operations

FieldServer as a Client	FieldServer as a Server
Fire	Testing
Emergency	Status
Auxiliary	CEAction
Pre alarm	
Supervisory	
Fault (Trouble)	
Security	
Disable	

6.3   Unsupported Functions and Data Types

Function	Reason
Programming messages and configuration messages	FieldServer is a data transfer device, and as such, programming messages are not required. Use vendor's config tools to configure and program the panel.

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