



## FieldServer Driver - Serial FS-8704-09 Notifier 1010/2020

**Driver Code:** NOTI  
**Version:** 1.00

**Devices Supported:** Notifier AFP1010 and AM2020 Fire Alarm Panels  
**Interface:** RS-232 utilizing Notifier Fire Alarm Panel Connector adapter

Due to the nature of the Notifier drivers and the adaptability of the FieldServer configuration of the Notifier side of the FieldServer is quite simple. The Notifier driver will always function as a Server driver, thus the primary purpose is for the Notifier Fire Alarm Panel to write information to the FieldServer to be passed on to another device. When the FieldServer is used with the Notifier 1010 or 2020 Fire Panels there are three pre-configured Data Arrays already setup for the Notifier driver. The FieldServer automatically assigns the device internal Node ID of station 257. Following is an example of information that is in the default Notifier driver when set up for the 1010 or 2020.

The **Status Bits** is the data string coming from Notifier to set or clear any one of 8209 bits of information in the following order:

Parameter	Bits
Detector Alarms	0 – 1023
Detector Alarms Unacknowledged	1024 – 2047
Module Alarms	2048 – 3071
Module Alarms Unacknowledged	3071 – 4095
Detector Trouble	4096 – 5119
Detector Trouble Unacknowledged	5120 – 6143
Module Trouble	6144 – 7167
Module Trouble Unacknowledged	7168 – 8191
Common Bits	8192 – 8207
Control Bits	8208 – 8209

The **Control Bits** are as follows:

Parameter	Bit
Ack/Step	8208
System Reset	8209

The **Common Bits** are as follows:

Parameter	Bit
Detector Alarms	8192
Detector Alarms Unacknowledged	8193
Module Alarms	8194
Module Alarms Unacknowledged	8195
Detector Trouble	8196
Detector Trouble Unacknowledged	8197
Module Trouble	8198
Module Trouble Unacknowledged	8199
Alarms	8200
Alarms Unacknowledged	8201
Trouble	8202
Trouble Unacknowledged	8203
Supervise Sent	8204
Ignored Message	8205
All Systems Normal	8206
ESC X NUL	8207



## Protocol Driver



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**Text\_Regs** - This is the text string coming from Notifier that matches the information on the display of the 1010 or 2020 and contains two sets 400 16-bit registers which is equivalent to 10 lines by 80 characters for each set.

**Supervise** – This is a 2-character string from Notifier providing a “supervise” signal to the Notifier Fire Alarm Panel when hot standby is alive. It also appears to the Client as 2 single coil if it is being sent.

When the customer receives a FieldServer with the Notifier driver installed, the Data Array is already configured and ready to use with the 1010 or 2020. The customer only needs to configure the Server side of the FieldServer, the interface to the non-Notifier device. As an example, if the user were connecting to a device using Modbus RTU communications protocol, they would configure the interface as if the FieldServer were another Modbus PLC. They would have to configure the Modbus device to identify where to find the necessary Notifier information. Thus, they would find the alarm for loop 1 detector 5 in the Status\_Bits Data Array at address number 105

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