



# FieldServer Driver – Serial FS-8700-83 Gamewell Fire Alarm Panel

## Description

All Gamewell Fire Alarm panels are equipped with a serial port which produces panel, circuit or device status messages. This driver is designed to process these messages and store this status information in numeric form. The numeric value will indicate the type of event being reported and the storage location in the FieldServer's data arrays is (configurable &) dependent on the origin of the message (pane / circuit / device ). Additional information such as event date and time and descriptions are ignored.

The driver is capable of supporting a panel configured to supervise the port by responding to the panel's supervision queries.

This is a passive client driver. The driver listens passively for unsolicited messages produced by the Gamewell panel. This definition is not strictly true because the driver is capable of sending the panel three messages: Ack, Silence and Reset.

Design Basis: Gamewell serial port protocol specification "IF 600r7 Message Stream" (not dated) and "SmartNet Data stream information" (not dated).

The driver is capable of exposing communication statistics in a FieldServer Data Array so that they can be monitored by a remote device.

## Formal Driver Type

**Serial**  
**Passive Client**

## Connection Information

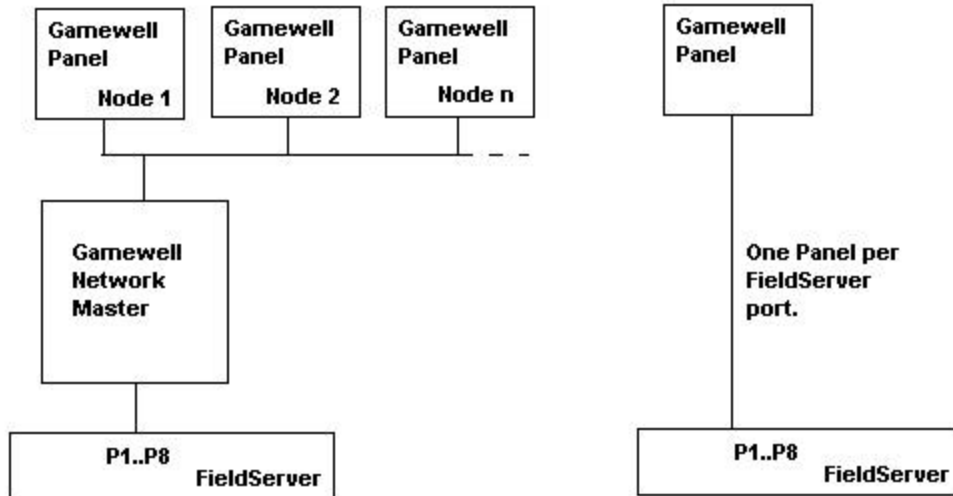
<b>Connection type:</b>	EIA232	
<b>Baud Rates:</b>	Gamewell Panel: 2400	
	Driver: 110; 300; 600; 1200; 2400; 4800; 9600; 19200; 28800; 38400; 57600;	
		115200
<b>Data Bits:</b>	Gamewell Panel: 8	Driver: 7,8
<b>Stop Bits:</b>	Gamewell Panel: 1	Driver: 1,2
<b>Parity:</b>	Gamewell Panel: None	Driver: Odd, Even, None
<b>Multidrop Capability</b>	<b>No</b>	

Devices tested:

Device	Tested
Gamewell IF610 Alarm Panel	Factory



## Connection configurations



## Connection Notes

Only one Gamewell panel may be connected directly to a FieldServer port. The reason for this is that the messages produced by the panel do not identify the panel of origin.



## Communications functions

### Supported functions at a glance:

Listen. Driver listens passively for status messages, parses them looking for Node, Status, Circuit/Device and action information and stores data based on this information.

Write. Driver can send an Ack, Silence and Reset command.

Supervision Query / Response

The driver clears its data arrays when either of the following messages are received.

*Status:NORMAL*                      *08/31/95 16:23*  
*System Idle*

Or

*Status:RESET*                      *08/31/95 16:23*  
*Commencing System Reset*

## Driver Limitations and Unsupported Features

The driver stores a value representing the type of status message received. A table of status types vs. values is provided in the driver manual. Each message is inspected for circuit/device information. If none is present the message is assumed to report a status event for the panel. If the one or both are present then the circuit / device number is used to determine the storage location.

For messages reporting a status event for a circuit / device the driver uses only the Status Type field to determine the value.

For message in which a circuit / device number is not present then the driver use the Status Type field as well as the Action Field to determine the value stored.

The value zero will be used to represent normal

The driver is programmed with a list of status types and action types that it recognizes. In the event that unrecognized information is found, the driver will store special value to indicate this. The driver provides a method which allows the user to extend the list of recognized status types and actions.



**Revision History**

Date	Driver Version	Document Revision	Resp	Comment
10May2002	1.00a	0	PMC	<i>Draft Issued for customer signoff prior to development completion.</i>
20June2002	1.00a	1	GMF	<i>Releasing</i>