

**FieldServer Driver**  
**FS8705-12**  
***Federal Signal Ultravoice***  
-  
***Electronic Siren Controllers***  
***Serial Protocol***

**Description**

The Federal Signal Ultravoice (FSU) - Electronic Siren Controllers (ESC) Serial Driver allows the FieldServer to transfer data to and from devices over RS232 using Federal Signal Ultravoice - Electronic Siren Controllers Serial Driver protocol.

The FieldServer can emulate a Client. As a client the driver can poll for status information and send commands to the FSU controller.

The driver is a serial driver using a RS232 serial port to connect between the FieldServer and the CHC-MF. An RS485 port together with a converter can also be used for the connection. Server functionality is provided only to support our ongoing quality assurance program by facilitating automated testing of the driver. It is not documented or supported. If required please contact the FST sales group to discuss your requirements.

**Max Nodes Supported**

<b>FieldServer Mode</b>	<b>Nodes</b>	<b>Comments</b>
Client	1	<i>Only 1 FSU-ESC node per connection</i>
Server	0	<i>Not supported or documented.</i>

**Formal Driver Type**

Serial  
Client

**Compatibility Matrix**

<b>FieldServer Model</b>	<b>Compatible with this driver</b>
FS-x2010	Yes,
FS-x2011	Yes,
FS-x40	Yes,
FS-X30	Yes,

**Connection Information**

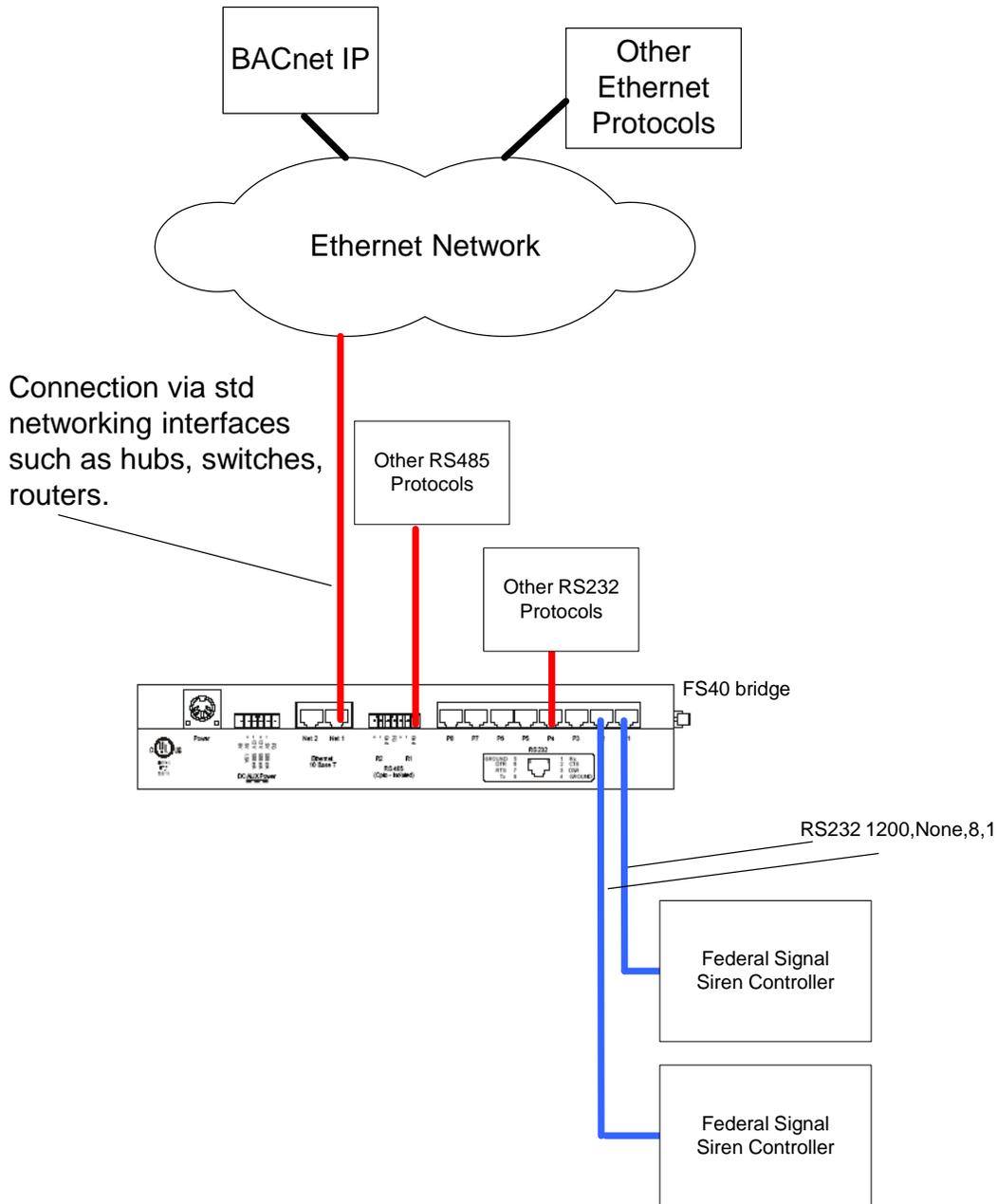
<b>Connection type:</b>	EIA485
<b>Baud Rates:</b>	Driver Supports : 110; 300; 600; 1200; 2400; 4800; <b>9600</b> ; 19200; 28800; 38400; 57600; 115200 Baud <i>FA403 Serial Receiver</i> supports: 9600
<b>Data Bits:</b>	Driver Supports : 7, <b>8</b> <i>FSU-ESC Serial Receiver</i> supports: 8
<b>Stop Bits:</b>	Driver Supports : <b>1,2</b> <i>FSU-ESC Serial Receiver</i> supports: 1
<b>Parity:</b>	Driver Supports : Odd, Even, <b>None</b> <i>FSU-ESC Serial Receiver</i> supports: None
<b>Hardware interface:</b>	N/A
<b>Multidrop Capability</b>	No

**Devices tested**

<b>Device</b>	<b>Tested (FACTORY, SITE)</b>
FSU-ESC Serial Receiver	Customer Site

**Connection configurations**

Multiple FSU-ESC Systems can be connected. One per port.  
Multiple upstream protocols and connection supported. See list of FieldServer Drivers.



**Communications functions**

<b>Supported Functions</b>
ARM
CANCEL
VOICE
DISARM
ZONEA-D
REPORT
MSG_A-P
WAIL
P_WAIL
A_WAIL
STEADY
P_STEADY
A_STEADY
PHASE+-
LOWPWR
CODE01-CODE50

<b>Status Items Monitored with 'Report' Function</b>
Siren Type
Function State (Code running)
Unit ID
Amplifier status for each amp in the unit depending on siren type*
Audio A*
Audio B*
Master Current*
Battery *
Charger
AC Power
Control Box Intrusion
Battery Box Intrusion
False Alarm/Local Activation*
Rotation*

**Support**

This driver was developed by Chipkin Automation Systems (CAS), a FieldServer Approved Integrator®. CAS are proud to provide support for the driver. For support please call CAS at (866) 383-1657.

**Revision History**

Date	Resp	Format	Driver Ver.	Doc. Rev.	Comment
14 Aug 08	PMC		0.00	0	Created