



FieldServer Driver – Serial FS-8700-70 WS3000 TABS

Description

The WS3000 TABS driver is set up for (AS&C) Alarm Surveillance and Control applications. The TABS protocol works over a multidrop RS-422 line or over a RS-232 line and allows only one master and up to 32 slaves on a serial channel. Slaves are assigned station addresses that range from 0 to 31. The master does not have a station address. The protocol is strictly command / response with the master polling the slave devices. Each slave can be configured to hold the data for one to 256 displays. Each display contains 64 alarms status points represented by bits.

Formal Driver Type

**Serial
Client or Server**

Connection Information

Connection type: RS-232 or RS-485 (Two wire, Half-Duplex)
Baud Rates: 1200; 2400; 4800; 9600 Baud
Data Bits: 8
Stop Bits: 1
Parity: Odd, Even, None

Devices tested:

Device	Tested (SITE, FACTORY)
WS3000 Super Scanner	FACTORY

Connection configurations

Connection Notes



Communications functions

Supported functions at a glance:

Data Types Supported

FieldServer Data Type	Description (or Device Data Type)
Digital Inputs	Display alarm points

Read Operations supported

FieldServer as a Client	FieldServer as a Server
Read Binary Status:	Provide Binary Status:
Get AS&C Configuration	Uses Configuration info
Scan All Displays	Point statuses
Scan Changed Displays	Changed point statuses

Write (control) Operations supported

FieldServer as a Client	FieldServer as a Server
Write Binary Commands:	Accept Binary Commands:
AS&C Remote Control Type 0	AS&C Remote Control Type 0
AS&C Remote Control Type 1	AS&C Remote Control Type 1
AS&C Remote Control Type 2	AS&C Remote Control Type 2
AS&C Remote Control Types 128 to 255	AS&C Remote Control Types 128 to 255

Functions Described

The following limitations exist:

- 1) Long addressing mode is not supported limiting the number of displays to 256 per node.

Unsupported Devices or Protocol Options

Device	Description
WS3000	TBOS Protocol
WS3000	Teltrac Protocol



Revision History

Date	Driver Version	Document Revision	Resp	Comment
05/23/02	1.01	1	DR	Added client write ability, SPR1105
07/16/02	1.01	2	MF	Updated formatting, added unsupported devices table, modified footer
8/20/03	1.01	3	JD	Releasing