



FieldServer Driver
FS-8700-32
Modbus Tek-Air

Description

Fieldserver Mode	Nodes	Comments
Client	1	Only 1 client node allowed on Multidrop systems
Server	254	Actual electrical loading may reduce number of usable server nodes

Formal Driver Type

Serial
Client or Server

Connection Information

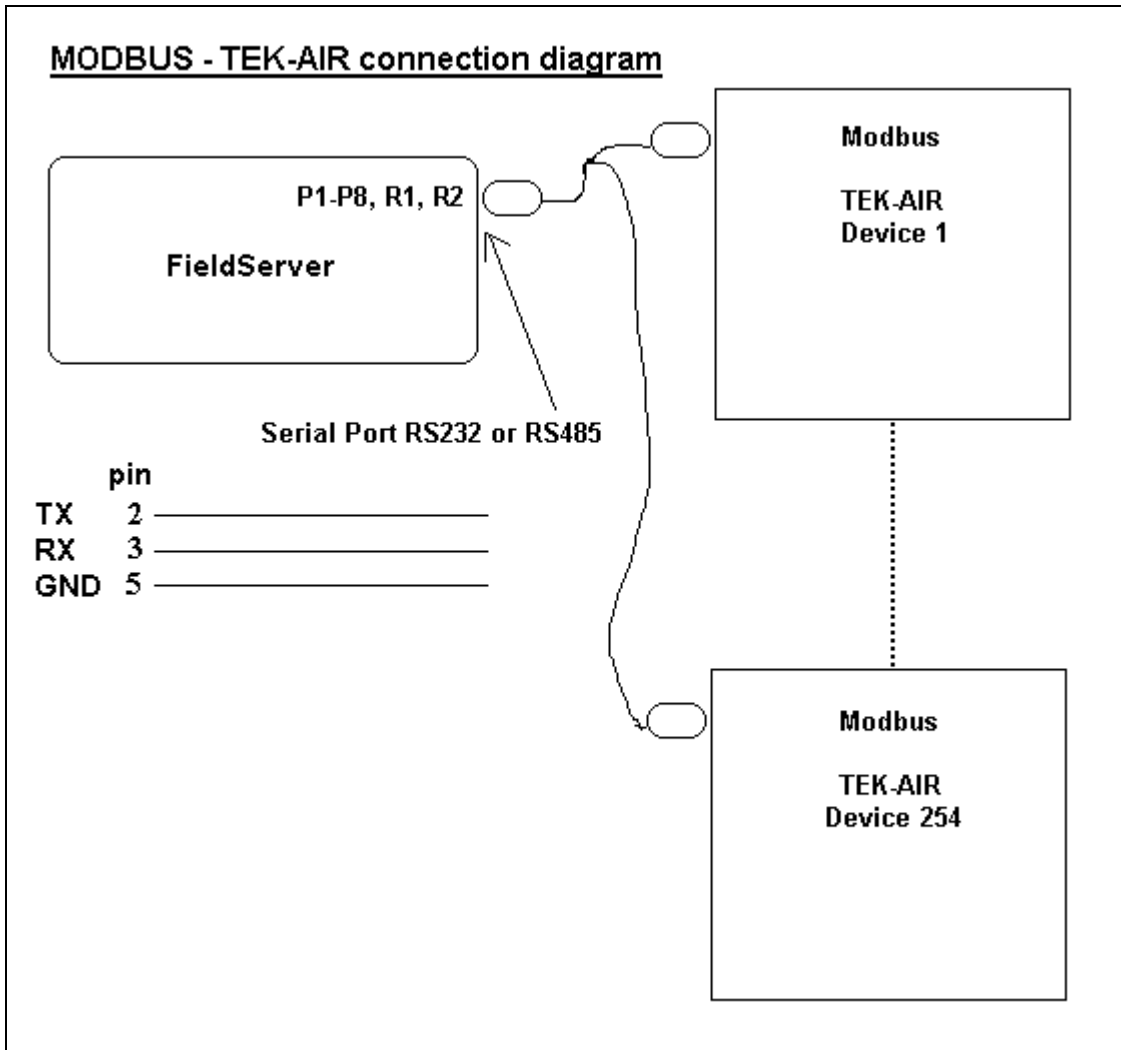
Connection type: RS-232 or RS-485 (Two wire, Half-Duplex)
Baud Rates: 110; 300; 600; 1200; 2400; 4800; 9600; 19200; 28800; 38400; 57600;
115200 Baud
Data Bits: 7,8
Stop Bits: 1,2
Parity: Odd, Even, None
Multidrop Capability Yes

Devices tested

Device	Tested (FACTORY, SITE)
SmartLab Controller	Site



Connection configurations



Connection Notes

The actual amount of stations on a network may be limited due to electrical loading limitations.



Communications functions

Supported functions at a glance:

Data Types Supported

FieldServer Data Type	Description (or Device Data Type)
Analog Input	Analog Input Registers
Digital Input	Discrete Input Registers
Analog Register	Input and Output Registers
Digital Register	Input and Output Registers
Analog Output	Analog Output Registers
Digital Output	Discrete Output Registers

Read and Write Operations supported

FieldServer as a Client	FieldServer as a Server
Read Analog Status: Read Output Registers (4xxxx) Read Input Registers (3xxxx)	Provide Analog Status: Provide Output Registers (4xxxx) Provide Input Registers (3xxxx)
Read Binary Status: Read Discrete Output Status (0xxxx) Read Discrete Input Status (1xxxx)	Provide Binary Status: Provide Discrete Output Status (0xxxx) Provide Discrete Input Status (1xxxx)
Write Analog Setpoints: Preset Single Register (4xxxx) Preset Multiple Registers (4xxxx)	Accept Analog Setpoints: Accept Preset Single Register (4xxxx) Accept Preset Multiple Registers (4xxxx)
Write Binary Commands: Force Single Coil (0xxxx) Force Multiple Coils (0xxxx)	Accept Binary Commands: Accept Force Single Coil (0xxxx) Accept Force Multiple Coils (0xxxx)

Unsupported Functions and Data Types

Function	Reason
Programming messages	FieldServer is a data transfer device, and as such, programming messages are not required

Unsupported Devices or Protocol Options

Device	Details
TBD	TBD



Revision History

Date	Driver Version	Document Revision	Resp	Comment
05/12/03		0	DR	Created
06/20/03	1.00	1	GFM	Releasing