

1 DESCRIPTION

This driver implements the Allen Bradley TCP/IP protocol, also commonly referred to as the Allen Bradley CSP protocol.

2 FORMAL DRIVER TYPE

Ethernet

Client or Server

3 COMPATIBILITY MATRIX

FieldServer Model	Compatible with this driver
FS-x2010	Yes
FS-x2011	Yes
FSx25	Yes
FS-x30	Yes
FS-x40	Yes
SlotServer	Yes
ProtoCessor FPC-FO2	No
ProtoNode	Yes
ProtoCessor FPC-FD2	No
QuickServer FS-QS-1010	No
QuickServer FS-QS-1011	No

4 CONNECTION INFORMATION

Connection type:
Ethernet Speeds Supported

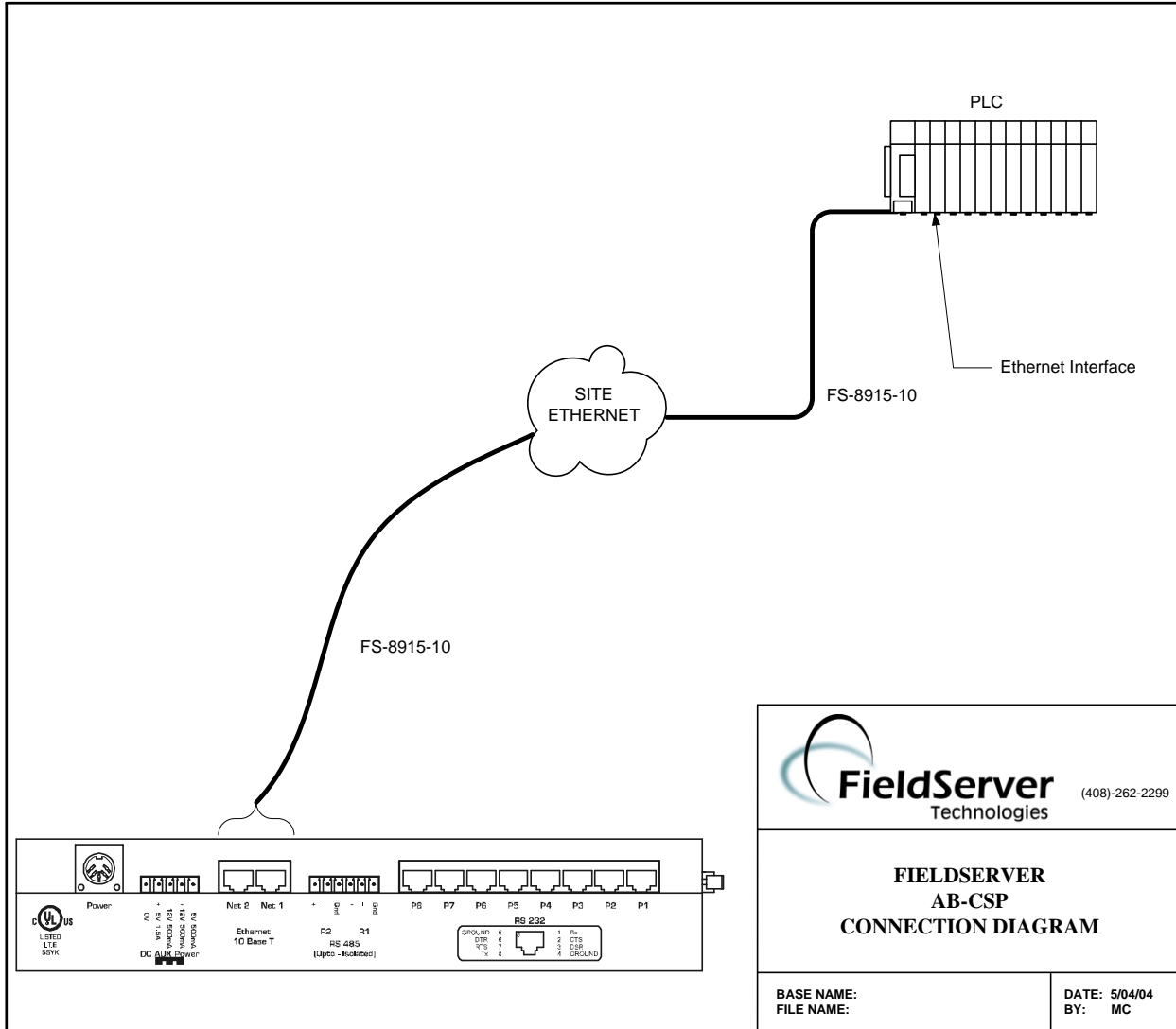
Ethernet
10Base-T, 100Base-T¹

5 DEVICES TESTED

Device	Tested (FACTORY, SITE)
SLC5/05 Processor	Factory
WonderWare	Site

¹ Not all FieldServer models support 100BaseT. Consult the appropriate instruction manual for details of the Ethernet speed supported by specific hardware.

6 CONNECTION CONFIGURATIONS



7 COMMUNICATIONS FUNCTIONS - SUPPORTED FUNCTIONS AT A GLANCE:

7.1 Data Types Supported

FieldServer Data Type	Description (File Type)
N	Integer
B	Binary
F	Float
O	Output
I	Input
T	Timer
S	Status

7.2 Read Operations supported

Allen Bradley commands can be specified directly using the AB_Command map descriptor field, or can be implied using the Node field PLC_Type. The AB_Command will override any PLC_Type specifiers.

Command	AB_Command	PLC_Type	File_Type
FieldServer as a Client			
Unprotected Read	Unprotected	-	All file types
Protected Typed Logical Read	Protected_Typed_Logical	-	All file types
Typed Read	Typed	-	All file types
Protected Typed Logical Read	-	SLC5	N, F, B, I, O
Word Range Read	-	PLC3/PLC5	N, F, B
FieldServer as a Server			
Unprotected Read	Not Used	Not Used	All file types
Protected Typed Logical Read	Not Used	Not Used	N, F, B, I, O
Word Range Read	Not Used	Not Used	N, F, B

7.3 Write Operations supported

Command	AB_Command	PLC_Type	File_Type
FieldServer as a Client			
Unprotected Write	Unprotected	-	All file types
Typed Write	Typed	-	All file types
Protected Typed Logical Write	-	SLC5	N, F, B
Word Range Write	-	PLC5	N
Typed Write	-	PLC5	F
Read Modify Write	-	PLC5	B
Word Range Write	-	PLC3	N, F
Bit Write	-	PLC3	B
FieldServer as a Server			
Unprotected Write	Not Used	Not Used	All file types
Protected Typed Logical Write	Not Used	Not Used	N, F, B
Word Range Write	Not Used	Not Used	N
Typed Write	Not Used	Not Used	F
Read Modify Write	Not Used	Not Used	B
Word Range Write	Not Used	Not Used	N, F
Bit Write	Not Used	Not Used	B

8 UNSUPPORTED DATA TYPES

Data Type	Description (File Type)
C	Counter
ST	ASCII String
T	Timer