Allen Bradley CSP

Description

This driver implements the Allen Bradley PCCC TCP/IP protocol.

Formal Driver Type

Ethernet, Client or Server

Compatibility

FieldServer Model	Compatible	FieldServer Model	Compatible
ProtoCessor	No	QuickServer FS-QS-10xx	No
ProtoCarrier	No	QuickServer FS-QS-12xx	Yes
ProtoNode	No	QuickServer FS-QS-20xx	Yes
ProtoAir	No	QuickServer FS-QS-22xx	Yes
		QuickServer FS-QS-3x10-F	Yes

Connection Information

Connection Type: Ethernet

Ethernet Speeds Supported: 10Base-T, 100Base-T

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

Devices Tested

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

Communication Functions

Data Types Supported

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

Protocol Driver Sheet – Allen Bradley CSP

Read Operations Supported

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

Write (Control) 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

Unsupported Functions and Data Types

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