

1 DESCRIPTION

The Schneider Electric Cassia driver allows the FieldServer/ProtoCessor to transfer data to and from a Cassia Building Management System Server over Ethernet using the Schneider Electric Cassia 3rd party socket interface protocol.

1.1 Connection Facts

FieldServer Mode	Nodes	Comments
Client	65,534	Nodes represent rooms in a building

2 FORMAL DRIVER TYPE

Ethernet
Client Only

3 COMPATIBILITY

FieldServer Model	Compatible
FS-B35 Series	Yes
ProtoNode/ProtoAir	Yes
QuickServer FS-QS-10xx	No
QuickServer FS-QS-12xx	Yes
QuickServer FS-QS-20xx	No
QuickServer FS-QS-22xx	Yes

4 CONNECTION INFORMATION

Connection Type: Ethernet
Ethernet Speeds Supported: 10Base-T, 100Base-T¹

5 DEVICES TESTED

Device	Tested (FACTORY, SITE)
Cassia Server	SITE

6 COMMUNICATIONS FUNCTIONS

6.1 Data Types Supported

FieldServer Data Type	Description (or Device Data Type)
Digital Register	Configuration bits
Analog Register	Room & Device Status Values

6.2 Read Operations Supported

FieldServer as a Client
Read Analog Status:
1) Read Room Status
2) Read Thermostat Status
3) Read Door / Sliding Door Status
4) Read Motion Detector Status
5) Read 1/3 Button Relay Status
Read Binary Status:
6) Read Configuration Bits

6.3 Write (Control) Operations Supported

FieldServer as a Client
Read Binary Status:
7) Write Configuration Bits

6.4 Unsupported Functions and Data Types

Function	Reason
Programming messages	FieldServer is a data transfer device, and as such, programming messages are not required
1) Setting Thermostat Values 2) Controlling Relays 3) All other Control functions	Not yet implemented in 3 rd party protocol from supplier

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

6.5 Functions Described

The Cassia driver is set up to monitor room and device statuses as reported by an integrated Building Management System, served by the Cassia server. The hierarchical layout of the building's rooms and associated devices should preferably be known beforehand to configure the driver, or the driver can be used in a special dump mode to query a fully representative Cassia server correctly setup with the building's layout.