Schneider Electric Cassia

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.

Connection Facts

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

Formal Driver Type

Ethernet, Client only

Compatibility

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

Connection Information

Connection Type: Ethernet

Baud Rates: 10Base-T, 100Base-T

Devices Tested

Device	Tested (Factory, Site)
Cassia Server	Site

Communication Functions

Data Types Supported

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

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

Write (Control) Operations Supported

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

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 3rd party protocol from supplier

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.