Canatal Satchnet

Description

The Canatal Satchnet protocol driver allows the FieldServer to transfer data to and from devices over either RS-232 or RS-485 using Canatal Satchnet protocol driver protocol. The FieldServer can emulate either a Server or Client.

This driver provides support for the Canatal International implementation of the "Satchwell Network (Full) and Net2 (Reduced)" protocol.

The Canatal Satchnet protocol driver can act as a Satchnet Master.

- Any Satchnet device on any serial port can be polled.
- Data from Series 2, 4, 5, 6, 8, 9 devices can be polled.
- Data from any 'Table' can be read.
- Data in 'Tables' with "write permission" can be written to by the driver.
- The driver can read/write Bit, Byte, Word, BCD and Float Data.

The Canatal Satchnet protocol driver can act as a (passive) Server.

- The driver can be polled by a Satchnet Master and return data from the FieldServer's data arrays.
- The driver can emulate Series 2, 4, 5, 6, 8, 9 devices.
- All "Tables" can be read/written in accordance with their read/write capability.

Connection Facts

FieldServer Mode	Nodes	Comments
Client	63	Expansion above 32 nodes normally requires a repeater
Server	63	Expansion above 32 nodes normally requires a repeater

Formal Driver Type

Serial, Client or Server

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
		QuickServer FS-QS-3x10-F	Yes

Connection Information

Connection Type: RS-232 or RS-485 (Two wire, Half-Duplex)

Baud Rates: 2400; 4800; 9600 (vendor limitation)

Data Bits: 7 (vendor limitation)

Stop Bits: 1 (vendor limitation)

Parity: Even (vendor limitation)

Multidrop Capability: Yes

Devices Tested

Device	Tested (Factory, Site)
Canatal Series 9	Factory
Canatal Series 6,8	Site

Communication Functions

Read Operations Supported

FieldServer as a Client	FieldServer as a Server
Read all tables for Series 2, 4, 5, 6,8, 9	Provide data from all tables for series 2, 4, 5, 6, 8, 9

Write (Control) Operations Supported

FieldServer as a Client	FieldServer as a Server
Write data in tables with write permission	Store data in tables with write permission