

FS-8705-42 – ProMinent.us Aquatrac MultiFLEX Controller Telnet Driver

DATASHEET – Rev 2

DESCRIPTION

The Telnet protocol provides a transport layer for end-to-end communication. The protocol does not define application layer usage. For this reason, its almost impossible to provide a general purpose Telnet drive that can handle all situations.

This Driver has been specially developed to process the 'CS' command and its response over a Telnet session. The CS command is defined in "Application Note AN_T001"



http://www.aquatrac.com/literature/controllers/AN_T001.pdf

Only a client version of this driver has been developed. The server side of the protocol has not been developed. The driver therefore cannot be used to simulate a MultiFLEX controller. The client was tested against an operational unit.

It does not take a big effort to customize a driver like this to handle some other command and response.

The driver is capable of being linked with other FieldServer drivers to form regular FieldServer firmware that can be installed on QuickServer and other FieldServer gateways. Other drivers can access the MultiFLEX data and serve using other protocols such as BACnet and Modbus

CONNECTION FACTS

FIELDSEVER MODE	NODES	COMMENTS
Client	Many	Driver can be configured to poll for data from multiple MultiFLEX devices provided each as a unique IP address.
Server	Many	Not Available. If you need this feature call our sales department.

FORMAL DRIVER TYPE

Ethernet TCP/IP
Active Client

COMPATIBILITY

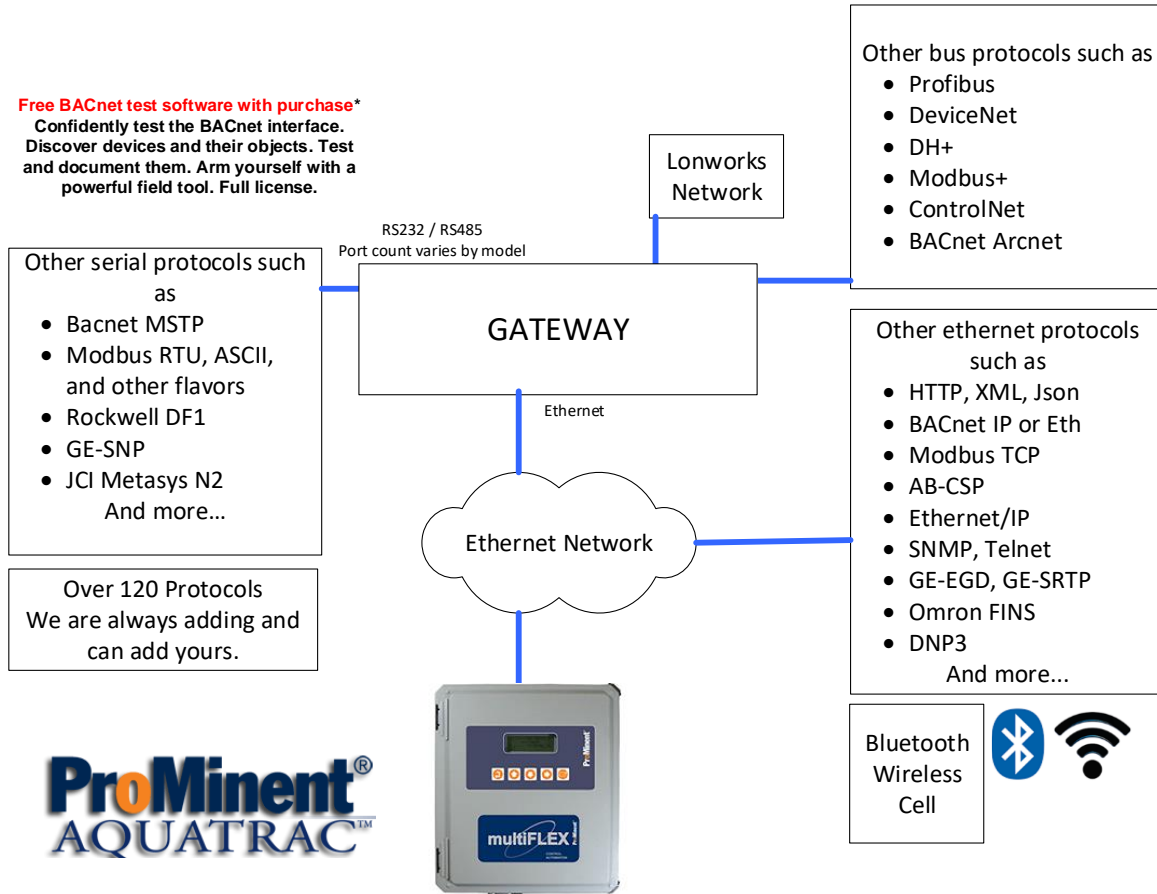
FIELDSEVER MODEL	COMPATIBLE
FS-2010/2011/4010	Yes
FS-35 Series	Yes
FS-QS Series	Yes

DEVICES TESTED

DEVICE	TESTED (FACTORY, SITE)
MultiFLEX controller over Web	2019Oct Customer location in the UK

CONNECTION CONFIGURATIONS

Multiple upstream protocols and connection supported. See list of FieldServer Drivers.



PROTOCOL SERVICES SUPPORTED/NOT SUPPORTED

PROTOCOL SERVICE	SUPPORTED
<p>CS</p> <p>This command supports Telnet based user interfaces with current controller state information required to update a real time view of the controller I/O set. CS transmits one data set per request of enabled I/O</p> <p>Inputs, Meters, Contacts, Relays and Binary and Analog Outputs</p>	Yes

Type	Syntax
Inputs A..N (0-14 lines)	(A..N), state, value_state, value \r\n
Meters O..Z (0-12 lines)	(O..Z) M , state, value_state, volume_today \r\n
Contacts O..Z (0-12 lines)	(O..Z) C , state, value_state, ontime_secs \r\n
Outputs 1..10 Relays (0-10 lines)	(0..9), state, control_state, special_state, control_value, time_owed, time_on, time_blocked, time_special \r\n
Outputs 11-18 4-20mA outputs (0-8 lines)	(0..7) I , state, control_state, control_value \r\n

CUSTOMER SUPPORT

CS Telnet Driver for FieldServer was developed by Chipkin, and we are proud to provide support for our products. For technical support, sales and customer service, please call us at 1 (866) 383-1657.

Thanks for choosing Chipkin's products and integration services to meet your building and industrial automation requirements!

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Sales and Customer Service

Toll Free: +1 866 383 1657

Email: salesgroup1@chipkin.com

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REVISION HISTORY

DATE	RESP.	DRIVER VERSION	DOCUMENT REVISION	COMMENTS
Oct 2019	PMC	1	0	Created
16 Jun 2021	YC	1	1	Updated to latest template