

FieldServer Driver - Serial FS-8700-49 Data Aire DAP

Devices Supported:

Device	Tested
DAP II Panel	Factory/Customer DA DAP II p/n 160-300-080 RevE Software Revision 9.0-STD

Connection Information:

Physical Interface:	EIA485 (EIA 232 with converter)
Baud Rates:	2400 (DAP firmware V9.4 or earlier)/ 9600 (DAP firmware V9.5 or later).
Data Bits:	8
Stop Bits:	1
Parity:	None
Handshaking:	None

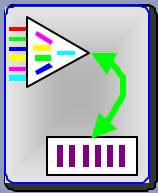
The Data Aire Driver is capable of direct connection to a network of Data Aire DAP devices

The Fieldserver is connected in a EIA485 loop topology. Two Fieldserver ports are required per loop. The driver is an active client. All data is obtained by poll & response.

The driver may be configured very simply, storing all the data obtained from each field device in a large array. A simple one line configuration tells the driver to store 'everything'. The driver manual identifies the location in the array of each data field. Advanced configuration are also possible.

The driver is capable of polling for and storing all data available from the following devices

Device	Driver Capability	Description
"1"	None	044 data logger
"2"	Yes	046 expanded DAP
"3"	Yes	046 2 mod chiller
"4"	Yes	046 3 mod chiller
"5"	Yes	048 DAP, 80-character display
"6"	Yes	049 DAP, 16-character display
"7"	Yes	080 DAP II, no relay expansion
"8"	Yes	080 Chiller II
"9"	Yes	080 DAP II, with relay expansion
"10"		Not Defined
"11"		Not Defined



Device	Driver Capability	Description
"12"		Not Defined
"13"		Not Defined
"E"	Yes	080 DAP II, with analog module
"F"	Yes	080 DAP II, with relay and analog

The driver requires two dedicated EIA232 (with EIA485 converters) or both EIA485 ports for each DAP device network.

Performance Issues

Users should note the constraints placed on the speed of communications by available baud rate for this protocol.

Further note should be taken that as of V9.5 of the DAP firmware, communications baud rate is 9600, allowing for significant performance improvement.

Revision History

Date	Driver Version	Document Revision	Resp	Comment
6/11/02	1.06a	2	GFM	Releasing
11/21/02	1.06	3	GFM	Adding 9600 baud option