AB Rockwell PLC5 with 1756 DHRIO Connector

PLC5 or SLC500 using 1756-DHRIO

- Name: **ControlLogix**
- Version 1.1.0.5
- Protocol: DH+ network
- Interface: TCP/IP
- Runtime: .NET 2.0 (Multiplatform)
- Configuration:
    - Devices / Protocols

Module Configuration
Channels Configuration
Nodes Configuration
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Module Configuration

This document has only information about the device connection settings and its address syntax.

For further Information, see:

- Devices Module
- Devices Module Reference

Channels Configuration

Protocol Options

Model: Select the PLC Model, 5 or 500.

Nodes Configuration

Station Configuration

Station syntax: ***<IP > ; <Port > ;<BackPlane>;<DHRIO Slot>;<DHRIO Channel>;<DH+ Node>***

Where :

- <***IP***> = IP address of the ControlLogix device in the network.
- <***Port***> = TCP port where the ControlLogix device is listening (default is **44818**).
- <***BackPlane***> = Used BackPlane in the device.
- <***DHRIO Slot***> = Used slot for the 1756-DHRIO module in ControlLogix.
- <***DHRIO Channel***> = Used channel for the 1756-DHRIO module in ControlLogix.
- <***DH+ Node***> = Used node in the DH+ network.

Station Example

PrimaryStation = ***192.168.1.101 ; 44818 ; 1 ; 2 ; A ; 0***

Points Configuration

Address

The syntax for the AB Ethernet communication points is: ***<FileType><FileNumber>:<Address>[Parameter]***

- ***<FileType>*:** the valid values are:

File		Read	Write	Bit Read	Bit Write	Data Type	Address size
N	Integer	**Yes**	**Yes**	**Yes**	**Yes**	Word	2 bytes
B	Binary	**Yes**	**Yes**	**Yes**	**Yes**	Word	2 bytes
F	FloatPoint	**Yes**	**Yes**	**Yes**	**Yes**	Single	4 bytes
O	OutputLogical	**Yes**	**Yes**	**Yes**	**Yes**	Word	2 bytes

I	InputLogical	**Yes**	**-**	**Yes**	**-**	Word	2 bytes
S	Status	**Yes**	**Yes**	**Yes**	**-**	Word	2 bytes
T	Timer (Model 500 only)	**Yes**	**Yes**	**-**	**-**	Word or Bit	2 bytes or 1bit
R	Control (Model 500 only)	**Yes**	**Yes**	**-**	**-**	Word or Bit	2 bytes or 1bit
C	Counter (Model 500 only)	**Yes**	**Yes**	**-**	**-**	Word or Bit	2 bytes or 1bit

***FileNumber*:** File number related to the FileType.

***Address*:** element address in configured File.

***Parameter*:** Aditional parameter for Timer, Control and Counter.

Ex.: ***.Len***, ***.Pre***, .***ACC***, .***EN***, .***TT***, .***DN***, etc

Address Example

Address = ***N7:10***

Driver Revision History

DHRIO Revision History	
Version	**Notes**
1.1.0.5	Initial release on new documentation standards.

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