Prediktor Historian

Summary Information

Communication Driver Name: Prediktor Historian

Current Version: 1.0.0.4

Implementation DLL: T.ProtocolDriver.Prediktor.dll

Manufacturer: Prediktor

Protocol Requirements

The APIS SDK must be installed on the local computer before communication is setup with the Prediktor driver

Once the APIS is installed, you will need to copy some dll files to your products installation folder

The files are located in the APIS installation folder, which is usually: C:\ProgramFiles(x86)\APIS\NET_API\Bin

From this folder, copy the following files:

- SentinelRMSCore.dll
- Prediktor.Log.dll
- OpcNetApi.Prediktor.DLL
- OpcNetApi.Com.Prediktor.DLL
- HoneystoreNetApi.DLL
- HiveNetApi.DLL
- ApisNetUtilities.DLL

Paste the files into your products installation directory folder, which is usually at: C:\ProgramFiles(x86)
\<CompanyName>\<ProductName>\<ProductVersion>

Channel Configuration

Protocol Options

Not used in this driver

Node Configuration

Station Configuration

Hive

- **Server Name** = The database server name
- **Instance** =The configured Server and Hub

Honeystore

- **Server Name** = The database server name
- **Database Name** = The name of the Model database

Example Nodes Configuration

Name	Node	PrimaryStation	SecondaryStation	Description
Prediktor1	Prediktor	Hive;localhost;Prediktor.ApisLoader.1;		

Note Item

Use the Test Connection button to check the connection with the Server and Database.

Point Configuration

Address

You can use the Browse button to see all available data in the Prediktor database, or you can write the Tag address directly into the field

Use the Verify button to check if the name is valid and to get the current value and quality

Example Points Configuration

TagName	Address	DataType	Access Type	Description
Line001 Temperature	Line[1].Furnace Temperature	Integer	ReadWrite	

Troubleshoot

The status of the driver execution can be observed through the diagnostic tools, which are:

- Trace window
- Property Watch
- Module Information

The above tools indicate if the operations have succeeded or have failed. A status of 0 (zero) means communication is successful. Negative values indicate internal driver errors, and positive values indicate protocol error codes.

Error Codes

Error Code	Description	Possible Solution
0	Success	• None
-100	Error Sending Message	• Turn on the PLC • Plug in the PLC's Ethernet cable • Check the IP Address field on Device > Node • Ping the PLC by using the prompt command
-101	Error Sending and Waiting Message	
-102 . . . -105	Error creating TCP/IP connection	
-106	Error Receiving Message	
-112	Timeout Start Message	• Turn on the PLC • Plug in the PLC's Ethernet cable • Ping the PLC by using the prompt command • Check the IP Address field on Device > Node • Increase the driver timeout field in Device > Channel
-113	Timeout between Treated Chars	

-114	Timeout End Message	
-115	Timeout Connect	
-200	Protocol Error	• Check if the PLC model is compatible with the driver documentation • Check the configured Address field in Device > Points
-201	Invalid Protocol	• Check if the PLC model is compatible with the driver documentation • Contact technical support
-202	Invalid Station	• Check the IP Address field in Device > Node • Restart the driver
-204	Invalid Message Sequence	• Check if the PLC model is compatible with the driver documentation • Check the Address field in Device > Points