TSimulator Communication Driver

This document has the specific information related to this driver configuration. For a generic explanation on Device Module, Channels, Nodes and Points configuration, please refer to reference guide.

Contents

1 Summary Information

Communication Driver Name: TSimulator - SCADA Random Values
Current Version: 1.0.0.0
Implementation DLL: T.ProtocolDriver.TSimulator.dll
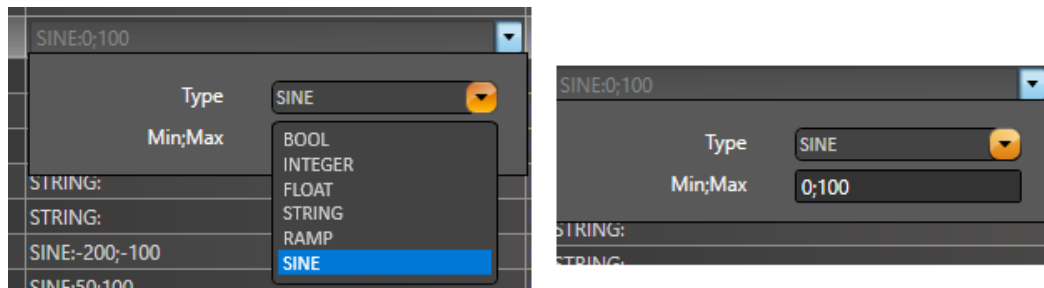
2 Channel Configuration

2.1 Protocol Options

Not used in this driver.

3 Node Configuration

Not used in this driver.

4 Point Configuration

The syntax for the TSimulator communication points is: <Type>:<Min>;<Max>

Address configuration example.

Where:

Type: Represents the Simulation Type:

- BOOL;

- INTEGER;

- FLOAT;

- STRING;

- RAMP;

- SINE;

For **STRING** simulation type the **StringLength** can be configured in Modifiers column.

4.1   Example Points Configuration

TagName	Node	Address	DataType	AccessType	Modifiers
MySine	SimulatorNode	SINE:-50;50	Native	Read	
MyRamp	SimulatorNode	RAMP:0;100	Native	Read	
MyString	SimulatorNode	STRING:	Native	Read	StringLength=5
MyBool	SimulatorNode	BOOL:	Native	Read	
MyInt	SimulatorNode	INTEGER:0;10	Native	Read	
MyFloat	SimulatorNode	FLOAT:-500;-100	Native	Read	

5   Troubleshoot

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

- Trace window

- Property Watch

- Module Information

Status value of 0 (zero) means communication success. Negative values indicate internal driver error and positive values means protocol errors code.

6   Revision History

Revision	Version	Description	Date
A	1.0.0.0	Initial Revision	September 2020