Genisys and Microlok

Summary Information

Communication Driver Name: Genisys

Implementation DLL: T.ProtocolDriver.Genisys.dll

Protocol: Proprietary

Manufacturer: Genisys

PC Hardware Requirements: Serial Port

Channel Configuration

Protocol Options

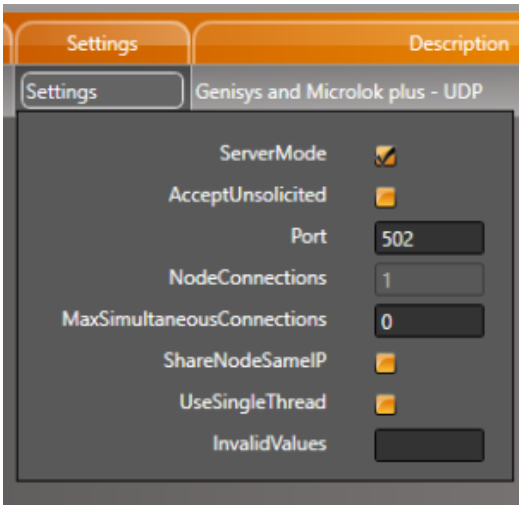
None

Settings

Master Mode: Not used in this driver

Slave Mode: The settings are configured as follows:

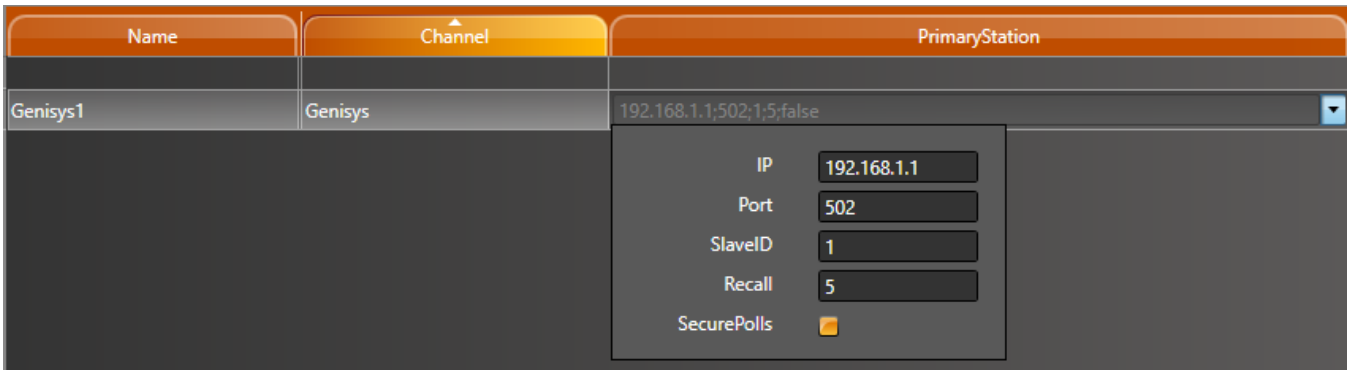
- **Server Mode:** True
- **Accept Unsolicited:** False
- **Port:** Port configured in the Master device



Node Configuration

Station Configuration

The station configuration has the following parameters:



Where:

- **IP:** IP Address
- **Port:** Port Number
- **Slave ID:** Slave ID in network
- **Recall:** Number of polls before a recall
- **Secure Polls:** Enable/Disable a CheckSum on the polls

Master Mode: All parameters must be configured

Slave Mode: Only IP and Slave ID parameters must be configured

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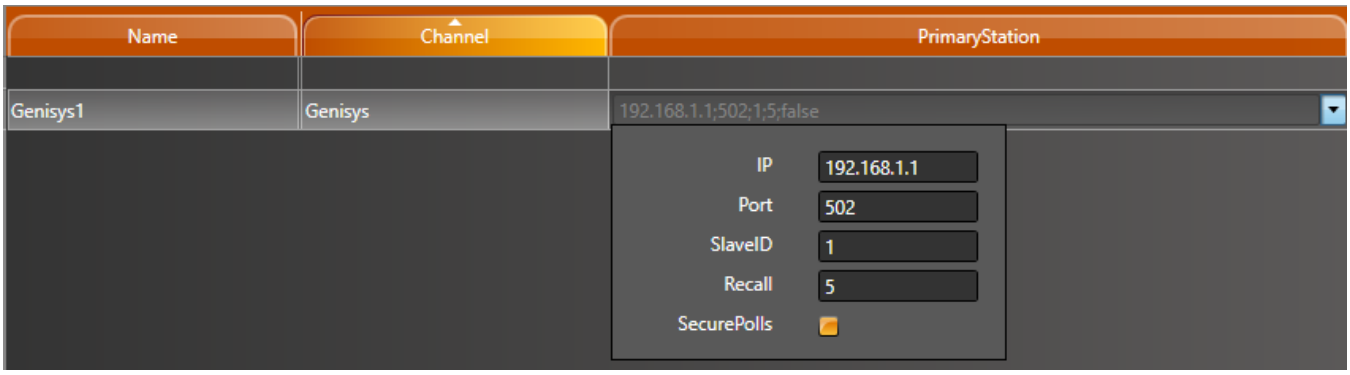
Point Configuration

Address

The syntax for the Genisys communication point is:

- **Type:** Indicator to Commands or Indications
- **Address:** Indicator to Commands or Indications address



Write Group

When configuring the Write Address points, they must be in a Write Group since the communication always sends all 8 bits at once

To configure the WriteGroup AccessType, navigate to Edit > Devices > AccessTypes > Create New. Set a WriteTrigger to a Tag

After configuring the AccessType, go to Edit > Devices > Points. Set the Control points to the newly created AccessType

TagName	Node	Address	DataType	AccessType	Modifiers	Scaling
Bit[3]	Genisys	I4	Native	Read		None
Bit[6]	Genisys	I7	Native	Read		None
ControlBit[6]	Genisys	C24	Native	GenisysWrite		None
ControlBit[7]	Genisys	C8	Native	GenisysWrite		None

Troubleshoot

The status of the driver's 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.