

IndraControl Communication Driver

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

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Section 1 – Summary Information

Communication Driver Name: IndraControl

Implementation DLL: T.ProtocolDriver.IndraControl.dll

Description: IndraControl communication driver implements communication with Bosch Rexroth IndraControl L20/L40 PLCs using a EtherNet/IP adapter.

Manufacturer: Bosch Rexroth

Protocol: EtherNet/IP - Bosch

PLC types supported: Bosch Rexroth IndraControl L20/L40

Interface: TCP/IP

Supported Data:

Type	Read	Write	Data Type
EtherNet/IP Adapter Outputs	✓	✓	Byte Only
EtherNet/IP Adapter Inputs	✓	-	Byte Only

Table 1

Section 2 – Channel Configuration

Protocol Options

This configuration is not supported for this Driver.

Section 3 – Node Configuration

Station Configuration

Stations syntax: <IP > ; <Port > ;

Where :

<IP> = IP address of the slave device in the network

< Port > = TCP port where the slave device is listening (default is 44818)

Sample Node configuration

Name	Channel	Primary Station
IndraControl	IndraControl	192.168.200.105;44818

Section 4 – Point Address Configuration

The syntax for the IndraControl communication points is: <%QB><Address> for Outputs and <%IB><Address> for inputs

E.g.: %QB1 (Type = Output, Address = 1)

Sample Points Configuration

TagName	Node	Address	DataType	AccessType
Output1	IndraControl	%QB1	Native	ReadWrite
Output2	IndraControl	%QB2	Native	ReadWrite
Output3	IndraControl	%QB3	Native	ReadWrite
Output15	IndraControl	%QB15	Native	ReadWrite
Input1	IndraControl	%IB1	Native	Read
Input2	IndraControl	%IB2	Native	Read

Section 5 – Troubleshoot

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

- Trace window
- Property Watch
- Module Information

The above tools indicate if the operations have succeeded or have failed where the status 0 (zero) means success. Negative values are internal error codes and positive values are protocol error codes.

Revision History

Revision	Description	Date
A	Initial Revision	March, 14 th 2016