

Bosch Rexroth – IndraControl Devices Using EtherNet/IP Adapter

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

Summary Information

Communication Driver Name: IndraControl

Implementation DLL: T.ProtocolDriver.IndraControl.dll

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	Yes	Yes	Byte Only
EtherNet/IP Adapter Inputs	Yes		Byte Only

Channel Configuration

Protocol Options

None

Node Configuration

Station Configuration

Stations syntax: <IP>;<Port>;

Where :

- <IP> = The IP address of the slave device in the network
- <Port> = The 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

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	%Q15	Native	ReadWrite
Input1	IndraControl	%IB1	Native	Read
Input1	IndraControl	%IB2	Native	Read

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.