

Facon 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.

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Section 1 – Summary Information

Communication Driver Name: Facon

Implementation DLL: T.ProtocolDriver. Facon.dll

Protocol: FACON-PLC Communication Protocol

Interface: Serial or TCPIP

PLC types supported: Devices using Facon Protocol

Manufacturer: FATEK AUTOMATION

PC Hardware requirements: COM Port or Ethernet board

Section 2 – Channel Configuration

Protocol Options

The channel configuration options are system standard as described on reference guide.

Section 3 – Node Configuration

Station Configuration

DeviceID: The PLC Station Number. The valid values are 0 to 254, where 0 means the message is for all slave stations

For TCP/IP only:

IP: IP address of PLC

Port: IP Port used in the PLC. Default value: 500

Section 4 – Point Configuration

Address

The syntax for the Facon communication points are:

- **<Operand><Address>**

Operand: Indicates the memory area, the valid values are:

Operand	Read	Write	Bit Read	Bit Write	Data Type	Address size
X Input discrete	✓	✓	✓	✓	Byte	1 byte
Y Output relay	✓	✓	✓	✓	Byte	1 byte
M Internal relay	✓	✓	✓	✓	Byte	1 byte
S Step relay	✓	✓	✓	✓	Byte	1 byte
T Timer discrete	✓	✓	✓	✓	Byte	1 byte
C Counter discrete	✓	✓	✓	✓	Byte	1 byte
TMR Timer register	✓	✓	✓	✓	Word	2 bytes
CTR Counter register	✓	✓	✓	✓	Word	2 bytes
HR Data register	✓	✓	✓	✓	Word	2 bytes
DR Data register	✓	✓	✓	✓	Word	2 bytes

Address: Indicates the data address in the memory area.

Ex: M0 (Operand = M, Address = 0)

Comment: For bit read/write, use the Bit field in the Modifiers column in Edit-Devices-Points.

Section 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 protocols errors according to the Facon specification.

Revision History

Revision	Description	Date
A	Initial Revision	April 5, 2011