

CTC 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 reference guide.

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Section 1 – Summary Information

Communication Driver Name: CTC

Implementation DLL: T.ProtocolDriver.CTC.dll

Protocol: Binary

Interface: TCP/IP and Serial

Description: CTC driver implements communication with controller compatibles with CTC Binary Protocol.

PLC types supported: 5200 controller or any compatible.

Supported Operands:

Operand	Read	Write	Data Type	Address size
R - Register	✓	✓	DWord	4 bytes
AO - Analog Output	✓	✓	Word	2 bytes
AI - Analog Input	✓	-	Word	2 bytes
F - Flag	✓	✓	Bit	1 bit
DI – Digital Input	✓	-	Byte	8 bits
DO – Digital Output	✓	✓	Byte	8 bits

Table 1

Section 2 – Channel Configuration

Settings

Serial channels:

- Default configuration for RTU mode :
DataBits: 8
StopBits: 1 if parity is used, 2 if no parity

Set the other fields according to your Serial port configuration

TCP/IP channels:

- **NodeConnections:** Defines the maximum number of parallel requests that will be sent to each node (asynchronous communication)

Section 3 – Node Configuration

Station Configuration

TCP/IP channels:

- Station syntax: <IP address>

Where : <IP address> = IP address of the slave controller

Ex: 192.168.1.101

Section 4 – Point Configuration

The syntax for the CTC communication points is: <Type><Number>

Where: <Type> indicates the memory area, the valid values are:

R	for Register
AO	for Analog Output
AI	for Analog Input
F	for Flag
DI	for Digital Input
DO	for Digital Output

For more information about the valid types, see the [Table 1](#):

<Number> indicates the data address in the memory area, from 1 to 65535

E.g.: R10 (Type= Register, Number = 10)

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	July, 25 th 2013