CTC Binary Protocol 5300 Model – TCP/IP

The CTC driver implements communication with controllers compatibles with the CTC Binary Protocol.

Summary Information

Communication Driver Name: CTC

Implementation DLL: T.ProtocolDriver.CTC.dll

Protocol: Binary

Interface: TCP/IP and Serial

PLC Types Supported: 5200 controller or any compatible

Supported Operands:

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

Channel Configuration

Settings

Serial channels:

Default configuration for RTU mode:

- DataBits: 8
- StopBits: 1, if parity is used. 2, if parity is not used

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)

Node Configuration

Station Configuration

TCP/IP channels:

Station syntax: <IP address>

Where:

- **<IP address>** = The IP address of the slave controller

Ex: 192.168.1.101

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 Supported Operands.

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

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

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.