Industrial communication solutions for Windows

XLOGNET Driver Manual

Tecnotrol LogicNET Communication Protocol Driver

Contents

CPKSoft Engineering

Industrial communication drivers.

www.cpksoft.com
www.facebook.com/
        cpksoftengineering
cpksoftengineering@
        hotmail.com
phone: 54-911-45788354

1990-2012

XLOGNET technical specifications

General information

XLOGNET driver allows you to connect with Tecnotrol controllers of the LogicWARE family using the LogicNET direct connection and network communication protocol.
Suggested COM port settings are 9600 bauds, no parity and 1 stop bit. Suggested ScanInterval for this driver is 3000 ms (3 sec).

Command list

Read Multiple Items

Description of this command:
Reads a group of item values from a given slave or bridge.
Methods used to run this command:
Analog Input
Number of points accepted by this command:
1-80
Meaning of the DriverP0 parameter:
Source address (0-255)
Meaning of the DriverP1 parameter:
Destination address (0-255)
Meaning of the DriverP2 parameter:
Auxiliary table number (0-4)
Meaning of the DriverP3 parameter:
Starting item number (0-255)
Values that are returned:
Value in PointValue (0) = First item value (0-65535)
Value in PointValue (1) = Second item value (0-65535)
    - ...
Value in PointValue (n-1) = Last item value (0-65535)

Write Single Item

Description of this command:
Assigns a new value to a given item in a slave or bridge.
Methods used to run this command:
Analog Output
Number of points accepted by this command:
1
Meaning of the DriverP0 parameter:
Source address (0-255)
Meaning of the DriverP1 parameter:
Destination address (0-255)
Meaning of the DriverP2 parameter:
Auxiliary table number (0-4)
Meaning of the DriverP3 parameter:
Target item number (0-255)
Meaning of the DriverP4 parameter:
New Item Status (0-1)
Values that are sent:
Value in PointValue (0) = New item value (0-65535)

Error messages

The following list shows the possible error messages that can be returned by the driver during a failed communication in the 'Status' property.

[1005] DRIVER (Internal): Invalid driver stage
[1300] PROTOCOL (Timeout): No answer
[1433] PROTOCOL (Format): Validation error in device response
[2002] CONFIG (DataType): Digital inputs are not supported by this driver
[2003] CONFIG (DataType): Digital outputs are not supported by this driver
[2147] CONFIG (NumValues): Only one value can be read or written
[2236] CONFIG (NumValues): Too many values (max=80)
[2244] CONFIG (NumValues): Too many values for selected P3
[3044] CONFIG (P0): Invalid source address (0-255)
[3549] CONFIG (P1): Invalid destination address (0-255)
[4016] CONFIG (P2): Invalid auxiliary table number (0-4)
[4569] CONFIG (P3): Invalid starting item number (0-255)
[4572] CONFIG (P3): Invalid target item number (0-255)
[5014] CONFIG (P4): Invalid item status (0-1)

Supported devices

This driver can communicate with these devices, but is not necessarily limited to this list:

TECNOTROL LogicWARE Family Controllers
TECNOTROL Smart25 UTBI Controllers
TECNOTROL LogicKPD Controllers
TECNOTROL LogicXXX Controllers
TECNOTROL LogicPAK Controllers