

Industrial communication solutions for Windows

XDLXVIP Driver Manual

Algodue Elettronica DLX Controller for VIP D3 Driver

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XDLXVIP technical specifications

General information

XDLXVIP driver allows you to connect with EIControl VIP D3 devices through the DLX Communication Controller. Default communication settings for DLX controller are 9600,N,8,1.

Command list

Read Measured Values

Description of this command:

This command reads the voltage, current, active power, cos, apparent power, reactive power and frequency of the three phase system measured by the VIP connected to the specified position of the addressed DLX node.

Methods used to run this command:

Analog Input

Number of points accepted by this command:

1-7

Meaning of the DriverP0 parameter:

DLX Logic Number (1-255). If set to 0, indicates that the DLX node will be addressed by using the serial number indicated in the DriverP6 parameter.

Meaning of the DriverP1 parameter:

Number of the VIP connected to the DLX Node. Valid numbers are 1 to 4 only.

Meaning of the DriverP2 parameter:

1

Meaning of the DriverP6 parameter:

A 9-char serial number to be used to address the DLX node when DriverP0 is set to 0. The serial number can be found in the DLX data plate. Example: DLX430003

Values that are returned:

Value in PointValue (0) = THREE-PHASE SYSTEM VOLTAGE V[V]
Value in PointValue (1) = THREE-PHASE SYSTEM CURRENT I[A]
Value in PointValue (2) = THREE-PHASE SYSTEM ACTIVE POWER P[W]
Value in PointValue (3) = THREE-PHASE SYSTEM POWER FACTOR Cos%
Value in PointValue (4) = THREE-PHASE SYSTEM APPARENT POWER S[VA]
Value in PointValue (5) = THREE-PHASE SYSTEM REACTIVE POWER Q[VAR]
Value in PointValue (6) = FREQUENCY f[Hz]

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
[2001] CONFIG (DataType): Analog outputs are not supported by this driver
[2002] CONFIG (DataType): Digital inputs are not supported by this driver
[2003] CONFIG (DataType): Digital outputs are not supported by this driver
[2266] CONFIG (NumValues): Too many values requested (max=7)
[3034] CONFIG (P0): Invalid DLX logic number (0-255)
[3581] CONFIG (P1): Invalid VIP number (1-4)
[4038] CONFIG (P2): Invalid command (1 only)
[6029] CONFIG (P6): Must be a 9-char serial number

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Supported devices

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

ELCONTROL VIP D3 Meters using DLX controller

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