

Industrial communication solutions for Windows

XZET173X Driver Manual

Zetron M173X Controller Communications Driver

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CPKSoft Engineering

Industrial communication drivers.

www.cpksoft.com

www.facebook.com/cpksoftengineering

cpksoftengineering@hotmail.com

phone: 54-911-45788354

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XZET173X technical specifications

General information

XZET173X driver allows you to connect to ZETRON M173X equipment. Communications must be started only by the PC interrogating equipment. Thus, spontaneous message sending by equipment must be disabled.

Command list

AIN_GET Command

Description of this command:

Retrieve the current status of one or more inputs on an analog input module.

Methods used to run this command:

Analog Input

Number of points accepted by this command:

1-11

Meaning of the DriverP0 parameter:

Indicates the remote station address (0-65535).

Meaning of the DriverP1 parameter:

48

Meaning of the DriverP2 parameter:

DIP switch address setting of the analog input module (0-15).

CORE_DIN_GET Command

Description of this command:

Retrieve the current status of the core digital inputs.

Methods used to run this command:

Digital Input

Number of points accepted by this command:

1-8

Meaning of the DriverP0 parameter:

Indicates the remote station address (0-65535).

Meaning of the DriverP1 parameter:

42

DIO_GET Command

Description of this command:

Retrieve the current status of a digital i/o module's inputs and outputs.

Methods used to run this command:

Digital Input

Number of points accepted by this command:

1-16

Meaning of the DriverP0 parameter:

Indicates the remote station address (0-65535).

Meaning of the DriverP1 parameter:

46

Meaning of the DriverP2 parameter:

DIP switch address setting of the digital i/o module (0-15).

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hotmail.com

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AIN_GET+CORE_DIN_GET+DIO_GET Command

Description of this command:

Retrieve the current status of eleven analog inputs on an analog input module, followed by the current status of the 8 core digital inputs and followed by the current status of 16 digital i/o module's inputs and outputs.

Methods used to run this command:

Analog Input

Number of points accepted by this command:

35

Meaning of the DriverP0 parameter:

Indicates the remote station address (0-65535).

Meaning of the DriverP1 parameter:

484246

Meaning of the DriverP2 parameter:

DIP switch address setting of the analog input module (0-15).

Meaning of the DriverP3 parameter:

DIP switch address setting of the digital i/o module (0-15).

Values that are returned:

Value in PointValue (0) = Module's Analog Input 1
Value in PointValue (1) = Module's Analog Input 2
Value in PointValue (2) = Module's Analog Input 3
Value in PointValue (3) = Module's Analog Input 4
Value in PointValue (4) = Module's Analog Input 5
Value in PointValue (5) = Module's Analog Input 6
Value in PointValue (6) = Module's Analog Input 7
Value in PointValue (7) = Module's Analog Input 8
Value in PointValue (8) = Module's Analog Input 9
Value in PointValue (9) = Module's Analog Input 10
Value in PointValue (10) = Module's Analog Input 11
Value in PointValue (11) = Core Digital I/O Input 1
Value in PointValue (12) = Core Digital I/O Input 2
Value in PointValue (13) = Core Digital I/O Input 3
Value in PointValue (14) = Core Digital I/O Input 4
Value in PointValue (15) = Core Digital I/O Input 5
Value in PointValue (16) = Core Digital I/O Input 6
Value in PointValue (17) = Core Digital I/O Input 7
Value in PointValue (18) = Core Digital I/O Input 8
Value in PointValue (19) = Module's Digital I/O Input 1
Value in PointValue (20) = Module's Digital I/O Input 2
Value in PointValue (21) = Module's Digital I/O Input 3
Value in PointValue (22) = Module's Digital I/O Input 4
Value in PointValue (23) = Module's Digital I/O Input 5
Value in PointValue (24) = Module's Digital I/O Input 6
Value in PointValue (25) = Module's Digital I/O Input 7
Value in PointValue (26) = Module's Digital I/O Input 8
Value in PointValue (27) = Module's Digital I/O Input 9
Value in PointValue (28) = Module's Digital I/O Input 10
Value in PointValue (29) = Module's Digital I/O Input 11
Value in PointValue (30) = Module's Digital I/O Input 12
Value in PointValue (31) = Module's Digital I/O Input 13
Value in PointValue (32) = Module's Digital I/O Input 14
Value in PointValue (33) = Module's Digital I/O Input 15
Value in PointValue (34) = Module's Digital I/O Input 16

CORE_DOUT_SET Command

Description of this command:

Set the status of the core digital outputs.

Methods used to run this command:

Digital Output

Number of points accepted by this command:

1

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[www.facebook.com/
cpksoftengineering](http://www.facebook.com/cpksoftengineering)

[cpksoftengineering@
hotmail.com](mailto:cpksoftengineering@hotmail.com)

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Meaning of the DriverP0 parameter:

Indicates the remote station address (0-65535).

Meaning of the DriverP1 parameter:

94

Meaning of the DriverP2 parameter:

Number of output to be set (1-4)

DIO_SET Command

Description of this command:

Set the status of the outputs of a digital i/o module.

Methods used to run this command:

Digital Output

Number of points accepted by this command:

1

Meaning of the DriverP0 parameter:

Indicates the remote station address (0-65535).

Meaning of the DriverP1 parameter:

96

Meaning of the DriverP2 parameter:

DIP switch address setting of the digital i/o module (0-15).

Meaning of the DriverP3 parameter:

Number of output to be set (1-16)

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
[1412] PROTOCOL (Format): Invalid number of bytes received
[1415] PROTOCOL (Format): Invalid response format
[1433] PROTOCOL (Format): Validation error in device response
[2001] CONFIG (DataType): Analog outputs are not supported by this driver
[2142] CONFIG (NumValues): Only one output allowed
[2163] CONFIG (NumValues): Too many inputs (must be 35)
[2248] CONFIG (NumValues): Too many values requested (max=11)
[2252] CONFIG (NumValues): Too many values requested (max=16)
[2268] CONFIG (NumValues): Too many values requested (max=8)
[3016] CONFIG (P0): Invalid device address (0-65535)
[3530] CONFIG (P1): Invalid command (42 or 46 only)
[3531] CONFIG (P1): Invalid command (48 or 484246 only)
[3536] CONFIG (P1): Invalid command (94 or 96 only)
[4000] CONFIG (P2): Analog and digital module can't share the same address (P2=P3)
[4014] CONFIG (P2): Invalid analog input module address (1-4)
[4058] CONFIG (P2): Invalid digital i/o module address (1-4)
[4079] CONFIG (P2): Invalid output number (1-4)
[4537] CONFIG (P3): Invalid digital i/o module address (1-4)

Supported devices

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

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