

XGATECIT Driver Manual

Gatecit Additive Injectors Driver



GATECITY
Additive Injectors



CPKSoft Engineering
Process Monitoring and Industrial
Automation Software

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Index

1.	Introduction	3
2.	Driver details	4
2.1.	Driver overview	4
2.2.	Supported devices.....	4
3.	Command list	5
3.1.	Read Value	5
3.2.	Write Value	5
3.3.	Execute command	6
4.	Appendices	7
4.1.	Error messages	7
4.2.	Keywords list.....	7

1. Introduction

CPKSoft Engineering assumes no responsibility for any errors that may appear in this document. If you have any suggestions for improvements or amendments or have found errors in this publication, please notify us.

This driver is included with all unlimited licenses of TAS-HMITalk. It is not sold separately. It requires the TAS-HMITalk ActiveX to work, therefore it cannot be used as a stand-alone driver.

If you use this driver in your applications, you need to include the xgatecit.tlk in the set of files that you distribute. This file must be located in the same folder where the hmitalk.ocx file is registered in order to be found by the activex when the applications are executed.

The source-code for the xgatecit.tlk driver is available in plain-C language for additional USD 299 if you own a license of TAS-HMITalk 8.04 or higher.

Refer to the following link to visit the xgatecit driver page at CPKSoft Engineering website: <http://www.cpksoft.com/tabid/55/ProductID/39/PageIndex/1/Default.aspx>.

Visit this link if you want to see a complete list of drivers that are currently available for TAS-HMITak: <http://www.cpksoft.com/Drivers/tabid/55/Default.aspx>.

Also, refer to this link if you are interested in purchasing a license of the most recent version of TAS-HMITalk: <http://www.cpksoft.com/Products/tabid/54/Default.aspx>.

We welcome your comments about this document. You can reach us by e-mail at [contact @ cpksoft.com](mailto:contact@cpksoft.com).

2. Driver details

2.1. Driver overview

XGATECIT driver allows you to connect GateCity Equipment Company Additive Injectors.

2.2. Supported devices

This driver can communicate with these devices, but is not necessarily limited to this list:
LUBRIZOL PERFORMANCE SYSTEM GATECITY Additive Injectors

3. Command list

3.1. Read Value

Description of this command:

This command reads one value.

Type of data handled by this command:

Analog Input

Number of points accepted by this command:

1

Meaning of the DriverP0 parameter:

Instrument Identification (0-255)

Meaning of the DriverP1 parameter:

Parameter

3.2. Write Value

Description of this command:

This command writes one value.

Type of data handled by this command:

Analog Output

Number of points accepted by this command:

1

Meaning of the DriverP0 parameter:

Instrument Identification (0-255)

Meaning of the DriverP1 parameter:

Parameter

Meaning of the DriverP6 parameter:

Value to be sent

Important note:PointValue(0) not used.

3.3. Execute command

Description of this command:

This command executes one command.

Type of data handled by this command:

Analog Output

Number of points accepted by this command:

1

Meaning of the DriverP0 parameter:

Instrument Identification (0-255)

Meaning of the DriverP1 parameter:

Command

Important note:PointValue(0) not used.

4. Appendices

4.1. Error messages

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

This list does not include some error messages that can be returned by the activex component while attempting to establish a connection.

- [1005] DRIVER (Internal): Invalid driver stage
- [1300] PROTOCOL (Timeout): No answer
- [1422] PROTOCOL (Format): Negative acknowledge received from device (%s)
- [1433] PROTOCOL (Format): Validation error in device response
- [2002] CONFIG (DataType): Digital inputs are not supported by this driver
- [3019] CONFIG (P0): Invalid device address (0-999)

4.2. Keywords list

The following list shows a set of words directly related to this driver.

"Additive, Gatecit, GATECITY, Injectors, LUBRIZOL, PERFORMANCE, SYSTEM".