

Industrial communication solutions for Windows

XGEFAN90 Driver Manual

GE Fanuc Series 90 SNP-X Protocol Driver

Contents

XGEFAN90 technical specifications.....	3
General information.....	3
Command list	3
Read Registers	3
Read Analog Inputs.....	3
Read Analog Outputs	4
Read Discrete Inputs in Bit Mode	4
Read Discrete Inputs in Byte Mode	5
Read Discrete Outputs in Bit Mode.....	5
Read Discrete Outputs in Byte Mode.....	6
Read Discrete Temporaries in Bit Mode	6
Read Discrete Temporaries in Byte Mode	7
Read Discrete Internals in Bit Mode	8
Read Discrete Internals in Byte Mode.....	8
Read Discrete SA in Bit Mode	9
Read Discrete SA in Byte Mode	9
Read Discrete SB in Bit Mode	10
Read Discrete SB in Byte Mode	10
Read Discrete SC in Bit Mode	11
Read Discrete SC in Byte Mode	11
Read Discrete S in Bit Mode.....	12
Read Discrete S in Byte Mode.....	12
Read Discrete Genius Global Data in Bit Mode	13
Read Discrete Genius Global Data in Byte Mode	13
Write Registers.....	14
Write Analog Inputs.....	14
Write Analog Outputs	15
Write Discrete Inputs in Bit Mode.....	15
Write Discrete Inputs in Byte Mode.....	16
Write Discrete Outputs in Bit Mode	17
Write Discrete Outputs in Byte Mode	17
Write Discrete Temporaries in Bit Mode	18
Write Discrete Temporaries in Byte Mode	18

CPKSoft Engineering

Industrial communication
drivers.

www.cpksoft.com

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

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

phone: 54-911-45788354

1990-2012

Industrial communication solutions for Windows

Write Discrete Internals in Bit Mode.....	19
Write Discrete Internals in Byte Mode.....	19
Write Discrete SA in Bit Mode	20
Write Discrete SA in Byte Mode	20
Write Discrete SB in Bit Mode	21
Write Discrete SB in Byte Mode	21
Write Discrete SC in Bit Mode	22
Write Discrete SC in Byte Mode	22
Error messages	23
Supported devices.....	24

CPKSoft Engineering

Industrial communication
drivers.

www.cpksoft.com

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

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

phone: 54-911-45788354

1990-2012

Industrial communication solutions for Windows

XGEFAN90 technical specifications

General information

XGEFAN90 driver allows connecting to the General Electric model GE FANUC series 90 PLC using the SNP-X communication protocol. Communication is made through an RS-232 or RS-485 port.

Command list

Read Registers

Description of this command:

This command allows you to read the value of the registers.

Methods used to run this command:

Analog Input

Number of points accepted by this command:

1-200

Meaning of the DriverP0 parameter:

Identifies the station address number (001-999). The SNP ID expected by the PLC is in fact a string of 8 ASCII characters. Given that P0 is a numeric parameter, the string used is always "GEFxxx\0\0" where xxx is the part specified in P0 as the station number (3 digits). For example, if the station number indicated in P0 is 1, the SNP ID will be sent as GEF001\0\0, or what is the same, "GEF001" followed by two NULL characters.

Important note: If DriverP0=-1, the driver will send the string given in DriverP6.**Meaning of the DriverP1 parameter:**

8

Meaning of the DriverP2 parameter:

Defines the address of the element to be read (1..65535).

Meaning of the DriverP3 parameter:

Indicates if the ATTACH command is sent before reading.

- 0 = Send the ATTACH command.

- 1 = Do not send the ATTACH command. (Its use is necessary when the first request to the PLC is done, because up to that moment the PLC has not yet been initialized for communications.)

Meaning of the DriverP4 parameter:

Defines the duration in msec. of the initial break signal (standard: 400 msec.).

Meaning of the DriverP5 parameter:

Defines the time delay in msec., to wait before sending the attach command (standard: 50 msec. in a point to point connection, 600 msec. in a modem connection).

Meaning of the DriverP6 parameter:

Station name used when DriverP0=-1. Must be a 8-character string.

Read Analog Inputs

Description of this command:

This command allows you to read the value of the analog inputs.

Methods used to run this command:

Analog Input

Number of points accepted by this command:

1-200

Meaning of the DriverP0 parameter:

Identifies the station address number (001-999). The SNP ID expected by the PLC is in fact a string of 8 ASCII characters. Because P0 is a numeric parameter, the string used is always "GEFxxx\0\0" where xxx is the part specified in P0 as the station number (3 digits). For example, if the station number indicated in P0 is 1, the SNP ID will be sent as GEF001\0\0, or what is the same, "GEF001" followed by two NULL characters.

CPKSoft Engineering

Industrial communication drivers.

www.cpksoft.com

www.facebook.com/

cpksoftengineering

cpksoftengineering@

hotmail.com

phone: 54-911-45788354

1990-2012

Industrial communication solutions for Windows

Important note:If DriverP0=-1, the driver will send the string given in DriverP6.

Meaning of the DriverP1 parameter:

10

Meaning of the DriverP2 parameter:

Defines the address of the element to be read (1..65535).

Meaning of the DriverP3 parameter:

Indicates if the ATTACH command is sent before reading.

- 0 = Send the ATTACH command.

- 1 = Do not send the ATTACH command. (Its use is necessary when the first request to the PLC is done, because up to that moment the PLC has not yet been initialized for communications.)

Meaning of the DriverP4 parameter:

Defines the duration in msec. of the initial break signal (standard: 400 msec.).

Meaning of the DriverP5 parameter:

Defines the time delay in msec., to wait before sending the attach command (standard: 50 msec. in a point to point connection, 600 msec. in a modem connection).

Meaning of the DriverP6 parameter:

Station name used when DriverP0=-1. Must be a 8-character string.

Read Analog Outputs

Description of this command:

This command allows you to read the value of the analog outputs.

Methods used to run this command:

Analog Input

Number of points accepted by this command:

1-200

Meaning of the DriverP0 parameter:

Identifies the station address number (001-999). The SNP ID expected by the PLC is in fact a string of 8 ASCII characters. Because P0 is a numeric parameter, the string used is always "GEFxxx\0\0" where xxx is the part specified in P0 as the station number (3 digits). For example, if the station number indicated in P0 is 1, the SNP ID will be sent as GEF001\0\0, or what is the same, "GEF001" followed by two NULL characters.

Important note:If DriverP0=-1, the driver will send the string given in DriverP6.

Meaning of the DriverP1 parameter:

12

Meaning of the DriverP2 parameter:

Defines the address of the element to be read (1..65535).

Meaning of the DriverP3 parameter:

Indicates if the ATTACH command is sent before reading.

- 0 = Send the ATTACH command.

- 1 = Do not send the ATTACH command. (Its use is necessary when the first request to the PLC is done, because up to that moment the PLC has not yet been initialized for communications.)

Meaning of the DriverP4 parameter:

Defines the duration in msec. of the initial break signal (standard: 400 msec.).

Meaning of the DriverP5 parameter:

Defines the time delay in msec., to wait before sending the attach command (standard: 50 msec. in a point to point connection, 600 msec. in a modem connection).

Meaning of the DriverP6 parameter:

Station name used when DriverP0=-1. Must be a 8-character string.

Read Discrete Inputs in Bit Mode

Description of this command:

This command allows you to read the value of the discrete inputs in bit mode.

Methods used to run this command:

Digital Input

Number of points accepted by this command:

1-200

Meaning of the DriverP0 parameter:

Identifies the station address number (001-999). The SNP ID expected by the PLC is in fact a string of 8 ASCII characters. Because P0 is a numeric parameter, the string used is always

CPKSoft Engineering

Industrial communication drivers.

www.cpksoft.com

www.facebook.com/

cpksoftengineering

cpksoftengineering@

hotmail.com

phone: 54-911-45788354

1990-2012

Industrial communication solutions for Windows

"GEFxxx\0\0" where xxx is the part specified in P0 as the station number (3 digits). For example, if the station number indicated in P0 is 1, the SNP ID will be sent as GEF001\0\0, or what is the same, "GEF001" followed by two NULL characters.

Important note:If DriverP0=-1, the driver will send the string given in DriverP6.

Meaning of the DriverP1 parameter:

70

Meaning of the DriverP2 parameter:

Defines the address of the element to be read (1..65535).

Meaning of the DriverP3 parameter:

Indicates if the ATTACH command is sent before reading.

- 0 = Send the ATTACH command.

- 1 = Do not send the ATTACH command. (Its use is necessary when the first request to the PLC is done, because up to that moment the PLC has not yet been initialized for communications.)

Meaning of the DriverP4 parameter:

Defines the duration in msec. of the initial break signal (standard: 400 msec.).

Meaning of the DriverP5 parameter:

Defines the time delay in msec., to wait before sending the attach command (standard: 50 msec. in a point to point connection, 600 msec. in a modem connection).

Meaning of the DriverP6 parameter:

Station name used when DriverP0=-1. Must be a 8-character string.

Read Discrete Inputs in Byte Mode

Description of this command:

This command allows you to read the value of the discrete inputs in byte mode.

Methods used to run this command:

Analog Input

Number of points accepted by this command:

1-200

Meaning of the DriverP0 parameter:

Identifies the station address number (001-999). The SNP ID expected by the PLC is in fact a string of 8 ASCII characters. Because P0 is a numeric parameter, the string used is always "GEFxxx\0\0" where xxx is the part specified in P0 as the station number (3 digits). For example, if the station number indicated in P0 is 1, the SNP ID will be sent as GEF001\0\0, or what is the same, "GEF001" followed by two NULL characters.

Important note:If DriverP0=-1, the driver will send the string given in DriverP6.

Meaning of the DriverP1 parameter:

16

Meaning of the DriverP2 parameter:

Defines the address of the element to be read (1..65535).

Meaning of the DriverP3 parameter:

Indicates if the ATTACH command is sent before reading.

- 0 = Send the ATTACH command.

- 1 = Do not send the ATTACH command. (Its use is necessary when the first request to the PLC is done, because up to that moment the PLC has not yet been initialized for communications.)

Meaning of the DriverP4 parameter:

Defines the duration in msec. of the initial break signal (standard: 400 msec.).

Meaning of the DriverP5 parameter:

Defines the time delay in msec., to wait before sending the attach command (standard: 50 msec. in a point to point connection, 600 msec. in a modem connection).

Meaning of the DriverP6 parameter:

Station name used when DriverP0=-1. Must be a 8-character string.

Read Discrete Outputs in Bit Mode

Description of this command:

This command allows you to read the value of the discrete outputs in bit mode.

Methods used to run this command:

Digital Input

Number of points accepted by this command:

1-200

CPKSoft Engineering

Industrial communication drivers.

www.cpksoft.com

www.facebook.com/

cpksoftengineering

cpksoftengineering@

hotmail.com

phone: 54-911-45788354

1990-2012

Industrial communication solutions for Windows

Meaning of the DriverP0 parameter:

Identifies the station address number (001-999). The SNP ID expected by the PLC is in fact a string of 8 ASCII characters. Because P0 is a numeric parameter, the string used is always "GEFxxx\0\0" where xxx is the part specified in P0 as the station number (3 digits). For example, if the station number indicated in P0 is 1, the SNP ID will be sent as GEF001\0\0, or what is the same, "GEF001" followed by two NULL characters.

Important note: If DriverP0=-1, the driver will send the string given in DriverP6.

Meaning of the DriverP1 parameter:

72

Meaning of the DriverP2 parameter:

Defines the address of the element to be read (1..65535).

Meaning of the DriverP3 parameter:

Indicates if the ATTACH command is sent before reading.

- 0 = Send the ATTACH command.

- 1 = Do not send the ATTACH command. (Its use is necessary when the first request to the PLC is done, because up to that moment the PLC has not yet been initialized for communications.)

Meaning of the DriverP4 parameter:

Defines the duration in msec. of the initial break signal (standard: 400 msec.).

Meaning of the DriverP5 parameter:

Defines the time delay in msec., to wait before sending the attach command (standard: 50 msec. in a point to point connection, 600 msec. in a modem connection).

Meaning of the DriverP6 parameter:

Station name used when DriverP0=-1. Must be a 8-character string.

Read Discrete Outputs in Byte Mode

Description of this command:

This command allows you to read the value of the discrete outputs in byte mode.

Methods used to run this command:

Analog Input

Number of points accepted by this command:

1-200

Meaning of the DriverP0 parameter:

Identifies the station address number (001-999). The SNP ID expected by the PLC is in fact a string of 8 ASCII characters. Because P0 is a numeric parameter, the string used is always "GEFxxx\0\0" where xxx is the part specified in P0 as the station number (3 digits). For example, if the station number indicated in P0 is 1, the SNP ID will be sent as GEF001\0\0, or what is the same, "GEF001" followed by two NULL characters.

Important note: If DriverP0=-1, the driver will send the string given in DriverP6.

Meaning of the DriverP1 parameter:

18

Meaning of the DriverP2 parameter:

Defines the address of the element to be read (1..65535).

Meaning of the DriverP3 parameter:

Indicates if the ATTACH command is sent before reading.

- 0 = Send the ATTACH command.

- 1 = Do not send the ATTACH command. (Its use is necessary when the first request to the PLC is done, because up to that moment the PLC has not yet been initialized for communications.)

Meaning of the DriverP4 parameter:

Defines the duration in msec. of the initial break signal (standard: 400 msec.).

Meaning of the DriverP5 parameter:

Defines the time delay in msec., to wait before sending the attach command (standard: 50 msec. in a point to point connection, 600 msec. in a modem connection).

Meaning of the DriverP6 parameter:

Station name used when DriverP0=-1. Must be a 8-character string.

Read Discrete Temporaries in Bit Mode

Description of this command:

This command allows you to read the value of the discrete temporaries in bit mode.

CPKSoft Engineering

Industrial communication drivers.

www.cpksoft.com

www.facebook.com/

cpksoftengineering

cpksoftengineering@

hotmail.com

phone: 54-911-45788354

1990-2012

Industrial communication solutions for Windows

Methods used to run this command:

Digital Input

Number of points accepted by this command:

1-200

Meaning of the DriverP0 parameter:

Identifies the station address number (001-999). The SNP ID expected by the PLC is in fact a string of 8 ASCII characters. Because P0 is a numeric parameter, the string used is always "GEFxxx\0\0" where xxx is the part specified in P0 as the station number (3 digits). For example, if the station number indicated in P0 is 1, the SNP ID will be sent as GEF001\0\0, or what is the same, "GEF001" followed by two NULL characters.

Important note: If DriverP0=-1, the driver will send the string given in DriverP6.**Meaning of the DriverP1 parameter:**

74

Meaning of the DriverP2 parameter:

Defines the address of the element to be read (1..65535).

Meaning of the DriverP3 parameter:

Indicates if the ATTACH command is sent before reading.

- 0 = Send the ATTACH command.

- 1 = Do not send the ATTACH command. (Its use is necessary when the first request to the PLC is done, because up to that moment the PLC has not yet been initialized for communications.)

Meaning of the DriverP4 parameter:

Defines the duration in msec. of the initial break signal (standard: 400 msec.).

Meaning of the DriverP5 parameter:

Defines the time delay in msec., to wait before sending the attach command (standard: 50 msec. in a point to point connection, 600 msec. in a modem connection).

Meaning of the DriverP6 parameter:

Station name used when DriverP0=-1. Must be a 8-character string.

Read Discrete Temporaries in Byte Mode

Description of this command:

This command allows you to read the value of the discrete temporaries in byte mode.

Methods used to run this command:

Analog Input

Number of points accepted by this command:

1-200

Meaning of the DriverP0 parameter:

Identifies the station address number (001-999). The SNP ID expected by the PLC is in fact a string of 8 ASCII characters. Because P0 is a numeric parameter, the string used is always "GEFxxx\0\0" where xxx is the part specified in P0 as the station number (3 digits). For example, if the station number indicated in P0 is 1, the SNP ID will be sent as GEF001\0\0, or what is the same, "GEF001" followed by two NULL characters.

Important note: If DriverP0=-1, the driver will send the string given in DriverP6.**Meaning of the DriverP1 parameter:**

20

Meaning of the DriverP2 parameter:

Defines the address of the element to be read (1..65535).

Meaning of the DriverP3 parameter:

Indicates if the ATTACH command is sent before reading.

- 0 = Send the ATTACH command.

- 1 = Do not send the ATTACH command. (Its use is necessary when the first request to the PLC is done, because up to that moment the PLC has not yet been initialized for communications.)

Meaning of the DriverP4 parameter:

Defines the duration in msec. of the initial break signal (standard: 400 msec.).

Meaning of the DriverP5 parameter:

Defines the time delay in msec., to wait before sending the attach command (standard: 50 msec. in a point to point connection, 600 msec. in a modem connection).

Meaning of the DriverP6 parameter:

Station name used when DriverP0=-1. Must be a 8-character string.

CPKSoft Engineering

Industrial communication drivers.

www.cpksoft.com

www.facebook.com/

cpksoftengineering

cpksoftengineering@

hotmail.com

phone: 54-911-45788354

1990-2012

Industrial communication solutions for Windows

Read Discrete Internals in Bit Mode

Description of this command:

This command allows you to read the value of the discrete internals in bit mode.

Methods used to run this command:

Digital Input

Number of points accepted by this command:

1-200

Meaning of the DriverP0 parameter:

Identifies the station address number (001-999). The SNP ID expected by the PLC is in fact a string of 8 ASCII characters. Because P0 is a numeric parameter, the string used is always "GEFxxx\0\0" where xxx is the part specified in P0 as the station number (3 digits). For example, if the station number indicated in P0 is 1, the SNP ID will be sent as GEF001\0\0, or what is the same, "GEF001" followed by two NULL characters.

Important note: If DriverP0=-1, the driver will send the string given in DriverP6.

Meaning of the DriverP1 parameter:

76

Meaning of the DriverP2 parameter:

Defines the address of the element to be read (1..65535).

Meaning of the DriverP3 parameter:

Indicates if the ATTACH command is sent before reading.

- 0 = Send the ATTACH command.

- 1 = Do not send the ATTACH command. (Its use is necessary when the first request to the PLC is done, because up to that moment the PLC has not yet been initialized for communications.)

Meaning of the DriverP4 parameter:

Defines the duration in msec. of the initial break signal (standard: 400 msec.).

Meaning of the DriverP5 parameter:

Defines the time delay in msec., to wait before sending the attach command (standard: 50 msec. in a point to point connection, 600 msec. in a modem connection).

Meaning of the DriverP6 parameter:

Station name used when DriverP0=-1. Must be a 8-character string.

Read Discrete Internals in Byte Mode

Description of this command:

This command allows you to read the value of the discrete internals in byte mode.

Methods used to run this command:

Analog Input

Number of points accepted by this command:

1-200

Meaning of the DriverP0 parameter:

Identifies the station address number (001-999). The SNP ID expected by the PLC is in fact a string of 8 ASCII characters. Because P0 is a numeric parameter, the string used is always "GEFxxx\0\0" where xxx is the part specified in P0 as the station number (3 digits). For example, if the station number indicated in P0 is 1, the SNP ID will be sent as GEF001\0\0, or what is the same, "GEF001" followed by two NULL characters.

Important note: If DriverP0=-1, the driver will send the string given in DriverP6.

Meaning of the DriverP1 parameter:

22

Meaning of the DriverP2 parameter:

Defines the address of the element to be read (1..65535).

Meaning of the DriverP3 parameter:

Indicates if the ATTACH command is sent before reading.

- 0 = Send the ATTACH command.

- 1 = Do not send the ATTACH command. (Its use is necessary when the first request to the PLC is done, because up to that moment the PLC has not yet been initialized for communications.)

Meaning of the DriverP4 parameter:

Defines the duration in msec. of the initial break signal (standard: 400 msec.).

Meaning of the DriverP5 parameter:

Defines the time delay in msec., to wait before sending the attach command (standard: 50 msec. in a point to point connection, 600 msec. in a modem connection).

CPKSoft Engineering

Industrial communication drivers.

www.cpksoft.com

www.facebook.com/cpksoftengineering

cpksoftengineering@hotmail.com

phone: 54-911-45788354

1990-2012

Industrial communication solutions for Windows

Meaning of the DriverP6 parameter:

Station name used when DriverP0=-1. Must be a 8-character string.

Read Discrete SA in Bit Mode

Description of this command:

This command allows you to read the value of the discrete SA in bit mode.

Methods used to run this command:

Digital Input

Number of points accepted by this command:

1-200

Meaning of the DriverP0 parameter:

Identifies the station address number (001-999). The SNP ID expected by the PLC is in fact a string of 8 ASCII characters. Because P0 is a numeric parameter, the string used is always "GEFxxx\0\0" where xxx is the part specified in P0 as the station number (3 digits). For example, if the station number indicated in P0 is 1, the SNP ID will be sent as GEF001\0\0, or what is the same, "GEF001" followed by two NULL characters.

Important note: If DriverP0=-1, the driver will send the string given in DriverP6.

Meaning of the DriverP1 parameter:

78

Meaning of the DriverP2 parameter:

Defines the address of the element to be read (1..65535).

Meaning of the DriverP3 parameter:

Indicates if the ATTACH command is sent before reading.

- 0 = Send the ATTACH command.

- 1 = Do not send the ATTACH command. (Its use is necessary when the first request to the PLC is done, because up to that moment the PLC has not yet been initialized for communications.)

Meaning of the DriverP4 parameter:

Defines the duration in msec. of the initial break signal (standard: 400 msec.).

Meaning of the DriverP5 parameter:

Defines the time delay in msec., to wait before sending the attach command (standard: 50 msec. in a point to point connection, 600 msec. in a modem connection).

Meaning of the DriverP6 parameter:

Station name used when DriverP0=-1. Must be a 8-character string.

Read Discrete SA in Byte Mode

Description of this command:

This command allows you to read the value of the discrete SA in byte mode.

Methods used to run this command:

Analog Input

Number of points accepted by this command:

1-200

Meaning of the DriverP0 parameter:

Identifies the station address number (001-999). The SNP ID expected by the PLC is in fact a string of 8 ASCII characters. Because P0 is a numeric parameter, the string used is always "GEFxxx\0\0" where xxx is the part specified in P0 as the station number (3 digits). For example, if the station number indicated in P0 is 1, the SNP ID will be sent as GEF001\0\0, or what is the same, "GEF001" followed by two NULL characters.

Important note: If DriverP0=-1, the driver will send the string given in DriverP6.

Meaning of the DriverP1 parameter:

24

Meaning of the DriverP2 parameter:

Defines the address of the element to be read (1..65535).

Meaning of the DriverP3 parameter:

Indicates if the ATTACH command is sent before reading.

- 0 = Send the ATTACH command.

- 1 = Do not send the ATTACH command. (Its use is necessary when the first request to the PLC is done, because up to that moment the PLC has not yet been initialized for communications.)

Meaning of the DriverP4 parameter:

Defines the duration in msec. of the initial break signal (standard: 400 msec.).

CPKSoft Engineering

Industrial communication drivers.

www.cpksoft.com

www.facebook.com/

cpksoftengineering

cpksoftengineering@

hotmail.com

phone: 54-911-45788354

1990-2012

Industrial communication solutions for Windows

Meaning of the DriverP5 parameter:

Defines the time delay in msec., to wait before sending the attach command (standard: 50 msec. in a point to point connection, 600 msec. in a modem connection).

Meaning of the DriverP6 parameter:

Station name used when DriverP0=-1. Must be a 8-character string.

Read Discrete SB in Bit Mode

Description of this command:

This command allows you to read the value of the discrete SB in bit mode.

Methods used to run this command:

Digital Input

Number of points accepted by this command:

1-200

Meaning of the DriverP0 parameter:

Identifies the station address number (001-999). The SNP ID expected by the PLC is in fact a string of 8 ASCII characters. Because P0 is a numeric parameter, the string used is always "GEFxxx\0\0" where xxx is the part specified in P0 as the station number (3 digits). For example, if the station number indicated in P0 is 1, the SNP ID will be sent as GEF001\0\0, or what is the same, "GEF001" followed by two NULL characters.

Important note: If DriverP0=-1, the driver will send the string given in DriverP6.**Meaning of the DriverP1 parameter:**

80

Meaning of the DriverP2 parameter:

Defines the address of the element to be read (1..65535).

Meaning of the DriverP3 parameter:

Indicates if the ATTACH command is sent before reading.

- 0 = Send the ATTACH command.

- 1 = Do not send the ATTACH command. (Its use is necessary when the first request to the PLC is done, because up to that moment the PLC has not yet been initialized for communications.)

Meaning of the DriverP4 parameter:

Defines the duration in msec. of the initial break signal (standard: 400 msec.).

Meaning of the DriverP5 parameter:

Defines the time delay in msec., to wait before sending the attach command (standard: 50 msec. in a point to point connection, 600 msec. in a modem connection).

Meaning of the DriverP6 parameter:

Station name used when DriverP0=-1. Must be a 8-character string.

Read Discrete SB in Byte Mode

Description of this command:

This command allows you to read the value of the discrete SB in byte mode.

Methods used to run this command:

Analog Input

Number of points accepted by this command:

1-200

Meaning of the DriverP0 parameter:

Identifies the station address number (001-999). The SNP ID expected by the PLC is in fact a string of 8 ASCII characters. Because P0 is a numeric parameter, the string used is always "GEFxxx\0\0" where xxx is the part specified in P0 as the station number (3 digits). For example, if the station number indicated in P0 is 1, the SNP ID will be sent as GEF001\0\0, or what is the same, "GEF001" followed by two NULL characters.

Important note: If DriverP0=-1, the driver will send the string given in DriverP6.**Meaning of the DriverP1 parameter:**

26

Meaning of the DriverP2 parameter:

Defines the address of the element to be read (1..65535).

Meaning of the DriverP3 parameter:

Indicates if the ATTACH command is sent before reading.

- 0 = Send the ATTACH command.

CPKSoft Engineering

Industrial communication drivers.

www.cpksoft.com

www.facebook.com/

cpksoftengineering

cpksoftengineering@

hotmail.com

phone: 54-911-45788354

1990-2012

Industrial communication solutions for Windows

- 1 = Do not send the ATTACH command. (Its use is necessary when the first request to the PLC is done, because up to that moment the PLC has not yet been initialized for communications.)

Meaning of the DriverP4 parameter:

Defines the duration in msec. of the initial break signal (standard: 400 msec.).

Meaning of the DriverP5 parameter:

Defines the time delay in msec., to wait before sending the attach command (standard: 50 msec. in a point to point connection, 600 msec. in a modem connection).

Meaning of the DriverP6 parameter:

Station name used when DriverP0=-1. Must be a 8-character string.

Read Discrete SC in Bit Mode

Description of this command:

This command allows you to read the value of the discrete SC in bit mode.

Methods used to run this command:

Digital Input

Number of points accepted by this command:

1-200

Meaning of the DriverP0 parameter:

Identifies the station address number (001-999). The SNP ID expected by the PLC is in fact a string of 8 ASCII characters. Because P0 is a numeric parameter, the string used is always "GEFxxx\0\0" where xxx is the part specified in P0 as the station number (3 digits). For example, if the station number indicated in P0 is 1, the SNP ID will be sent as GEF001\0\0, or what is the same, "GEF001" followed by two NULL characters.

Important note: If DriverP0=-1, the driver will send the string given in DriverP6.

Meaning of the DriverP1 parameter:

82

Meaning of the DriverP2 parameter:

Defines the address of the element to be read (1..65535).

Meaning of the DriverP3 parameter:

Indicates if the ATTACH command is sent before reading.

- 0 = Send the ATTACH command.

- 1 = Do not send the ATTACH command. (Its use is necessary when the first request to the PLC is done, because up to that moment the PLC has not yet been initialized for communications.)

Meaning of the DriverP4 parameter:

Defines the duration in msec. of the initial break signal (standard: 400 msec.).

Meaning of the DriverP5 parameter:

Defines the time delay in msec., to wait before sending the attach command (standard: 50 msec. in a point to point connection, 600 msec. in a modem connection).

Meaning of the DriverP6 parameter:

Station name used when DriverP0=-1. Must be a 8-character string.

Read Discrete SC in Byte Mode

Description of this command:

This command allows you to read the value of the discrete SC in byte mode.

Methods used to run this command:

Analog Input

Number of points accepted by this command:

1-200

Meaning of the DriverP0 parameter:

Identifies the station address number (001-999). The SNP ID expected by the PLC is in fact a string of 8 ASCII characters. Because P0 is a numeric parameter, the string used is always "GEFxxx\0\0" where xxx is the part specified in P0 as the station number (3 digits). For example, if the station number indicated in P0 is 1, the SNP ID will be sent as GEF001\0\0, or what is the same, "GEF001" followed by two NULL characters.

Important note: If DriverP0=-1, the driver will send the string given in DriverP6.

Meaning of the DriverP1 parameter:

28

Meaning of the DriverP2 parameter:

Defines the address of the element to be read (1..65535).

CPKSoft Engineering

Industrial communication drivers.

www.cpksoft.com

www.facebook.com/

cpksoftengineering

cpksoftengineering@

hotmail.com

phone: 54-911-45788354

1990-2012

Industrial communication solutions for Windows

Meaning of the DriverP3 parameter:

Indicates if the ATTACH command is sent before reading.

- 0 = Send the ATTACH command.
- 1 = Do not send the ATTACH command. (Its use is necessary when the first request to the PLC is done, because up to that moment the PLC has not yet been initialized for communications.)

Meaning of the DriverP4 parameter:

Defines the duration in msec. of the initial break signal (standard: 400 msec.).

Meaning of the DriverP5 parameter:

Defines the time delay in msec., to wait before sending the attach command (standard: 50 msec. in a point to point connection, 600 msec. in a modem connection).

Meaning of the DriverP6 parameter:

Station name used when DriverP0=-1. Must be a 8-character string.

Read Discrete S in Bit Mode

Description of this command:

This command allows you to read the value of the discrete S in bit mode.

Methods used to run this command:

Digital Input

Number of points accepted by this command:

1-200

Meaning of the DriverP0 parameter:

Identifies the station address number (001-999). The SNP ID expected by the PLC is in fact a string of 8 ASCII characters. Because P0 is a numeric parameter, the string used is always "GEFxxx\0\0" where xxx is the part specified in P0 as the station number (3 digits). For example, if the station number indicated in P0 is 1, the SNP ID will be sent as GEF001\0\0, or what is the same, "GEF001" followed by two NULL characters.

Important note: If DriverP0=-1, the driver will send the string given in DriverP6.

Meaning of the DriverP1 parameter:

84

Meaning of the DriverP2 parameter:

Defines the address of the element to be read (1..65535).

Meaning of the DriverP3 parameter:

Indicates if the ATTACH command is sent before reading.

- 0 = Send the ATTACH command.
- 1 = Do not send the ATTACH command. (Its use is necessary when the first request to the PLC is done, because up to that moment the PLC has not yet been initialized for communications.)

Meaning of the DriverP4 parameter:

Defines the duration in msec. of the initial break signal (standard: 400 msec.).

Meaning of the DriverP5 parameter:

Defines the time delay in msec., to wait before sending the attach command (standard: 50 msec. in a point to point connection, 600 msec. in a modem connection).

Meaning of the DriverP6 parameter:

Station name used when DriverP0=-1. Must be a 8-character string.

Read Discrete S in Byte Mode

Description of this command:

This command allows you to read the value of the discrete S in byte mode.

Methods used to run this command:

Analog Input

Number of points accepted by this command:

1-200

Meaning of the DriverP0 parameter:

Identifies the station address number (001-999). The SNP ID expected by the PLC is in fact a string of 8 ASCII characters. Because P0 is a numeric parameter, the string used is always "GEFxxx\0\0" where xxx is the part specified in P0 as the station number (3 digits). For example, if the station number indicated in P0 is 1, the SNP ID will be sent as GEF001\0\0, or what is the same, "GEF001" followed by two NULL characters.

CPKSoft Engineering

Industrial communication
drivers.

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

1990-2012

Industrial communication solutions for Windows

Important note: If DriverP0=-1, the driver will send the string given in DriverP6.

Meaning of the DriverP1 parameter:

30

Meaning of the DriverP2 parameter:

Defines the address of the element to be read (1..65535).

Meaning of the DriverP3 parameter:

Indicates if the ATTACH command is sent before reading.

- 0 = Send the ATTACH command.

- 1 = Do not send the ATTACH command. (Its use is necessary when the first request to the PLC is done, because up to that moment the PLC has not yet been initialized for communications.)

Meaning of the DriverP4 parameter:

Defines the duration in msec. of the initial break signal (standard: 400 msec.).

Meaning of the DriverP5 parameter:

Defines the time delay in msec., to wait before sending the attach command (standard: 50 msec. in a point to point connection, 600 msec. in a modem connection).

Meaning of the DriverP6 parameter:

Station name used when DriverP0=-1. Must be a 8-character string.

Read Discrete Genius Global Data in Bit Mode

Description of this command:

This command allows you to read the value of the discrete genius global data in bit mode.

Methods used to run this command:

Digital Input

Number of points accepted by this command:

1-200

Meaning of the DriverP0 parameter:

Identifies the station address number (001-999). The SNP ID expected by the PLC is in fact a string of 8 ASCII characters. Because P0 is a numeric parameter, the string used is always "GEFxxx\0\0" where xxx is the part specified in P0 as the station number (3 digits). For example, if the station number indicated in P0 is 1, the SNP ID will be sent as GEF001\0\0, or what is the same, "GEF001" followed by two NULL characters.

Important note: If DriverP0=-1, the driver will send the string given in DriverP6.

Meaning of the DriverP1 parameter:

86

Meaning of the DriverP2 parameter:

Defines the address of the element to be read (1..65535).

Meaning of the DriverP3 parameter:

Indicates if the ATTACH command is sent before reading.

- 0 = Send the ATTACH command.

- 1 = Do not send the ATTACH command. (Its use is necessary when the first request to the PLC is done, because up to that moment the PLC has not yet been initialized for communications.)

Meaning of the DriverP4 parameter:

Defines the duration in msec. of the initial break signal (standard: 400 msec.).

Meaning of the DriverP5 parameter:

Defines the time delay in msec., to wait before sending the attach command (standard: 50 msec. in a point to point connection, 600 msec. in a modem connection).

Meaning of the DriverP6 parameter:

Station name used when DriverP0=-1. Must be a 8-character string.

Read Discrete Genius Global Data in Byte Mode

Description of this command:

This command allows you to read the value of the discrete genius global data in byte mode.

Methods used to run this command:

Analog Input

Number of points accepted by this command:

1-200

Meaning of the DriverP0 parameter:

Identifies the station address number (001-999). The SNP ID expected by the PLC is in fact a string of 8 ASCII characters. Because P0 is a numeric parameter, the string used is always

CPKSoft Engineering

Industrial communication drivers.

www.cpksoft.com

www.facebook.com/

cpksoftengineering

cpksoftengineering@

hotmail.com

phone: 54-911-45788354

1990-2012

Industrial communication solutions for Windows

"GEFxxx\0\0" where xxx is the part specified in P0 as the station number (3 digits). For example, if the station number indicated in P0 is 1, the SNP ID will be sent as GEF001\0\0, or what is the same, "GEF001" followed by two NULL characters.

Important note:If DriverP0=-1, the driver will send the string given in DriverP6.

Meaning of the DriverP1 parameter:

56

Meaning of the DriverP2 parameter:

Defines the address of the element to be read (1..65535).

Meaning of the DriverP3 parameter:

Indicates if the ATTACH command is sent before reading.

- 0 = Send the ATTACH command.

- 1 = Do not send the ATTACH command. (Its use is necessary when the first request to the PLC is done, because up to that moment the PLC has not yet been initialized for communications.)

Meaning of the DriverP4 parameter:

Defines the duration in msec. of the initial break signal (standard: 400 msec.).

Meaning of the DriverP5 parameter:

Defines the time delay in msec., to wait before sending the attach command (standard: 50 msec. in a point to point connection, 600 msec. in a modem connection).

Meaning of the DriverP6 parameter:

Station name used when DriverP0=-1. Must be a 8-character string.

Write Registers

Description of this command:

This command allows you to write the value of the registers.

Methods used to run this command:

Analog Output

Number of points accepted by this command:

1

Meaning of the DriverP0 parameter:

Identifies the station address number (001-999). The SNP ID expected by the PLC is in fact a string of 8 ASCII characters. Because P0 is a numeric parameter, the string used is always "GEFxxx\0\0" where xxx is the part specified in P0 as the station number (3 digits). For example, if the station number indicated in P0 is 1, the SNP ID will be sent as GEF001\0\0, or what is the same, "GEF001" followed by two NULL characters.

Important note:If DriverP0=-1, the driver will send the string given in DriverP6.

Meaning of the DriverP1 parameter:

8

Meaning of the DriverP2 parameter:

Defines the address of the element to be write (1..65535).

Meaning of the DriverP3 parameter:

Indicates if the ATTACH command is sent before writing.

- 0 = Send the ATTACH command.

- 1 = Do not send the ATTACH command. (Its use is necessary when the first request to the PLC is done, because up to that moment the PLC has not yet been initialized for communications.)

Meaning of the DriverP4 parameter:

Defines the duration in msec. of the initial break signal (standard: 400 msec.).

Meaning of the DriverP5 parameter:

Defines the time delay in msec., to wait before sending the attach command (standard: 50 msec. in a point to point connection, 600 msec. in a modem connection).

Meaning of the DriverP6 parameter:

Station name used when DriverP0=-1. Must be a 8-character string.

Write Analog Inputs

Description of this command:

This command allows you to write the value of the analog inputs.

Methods used to run this command:

Analog Output

Number of points accepted by this command:

1

CPKSoft Engineering

Industrial communication drivers.

www.cpksoft.com

www.facebook.com/

cpksoftengineering

cpksoftengineering@

hotmail.com

phone: 54-911-45788354

1990-2012

Industrial communication solutions for Windows

Meaning of the DriverP0 parameter:

Identifies the station address number (001-999). The SNP ID expected by the PLC is in fact a string of 8 ASCII characters. Because P0 is a numeric parameter, the string used is always "GEFxxx\0\0" where xxx is the part specified in P0 as the station number (3 digits). For example, if the station number indicated in P0 is 1, the SNP ID will be sent as GEF001\0\0, or what is the same, "GEF001" followed by two NULL characters.

Important note: If DriverP0=-1, the driver will send the string given in DriverP6.

Meaning of the DriverP1 parameter:

10

Meaning of the DriverP2 parameter:

Defines the address of the element to be write (1..65535).

Meaning of the DriverP3 parameter:

Indicates if the ATTACH command is sent before writing.

- 0 = Send the ATTACH command.

- 1 = Do not send the ATTACH command. (Its use is necessary when the first request to the PLC is done, because up to that moment the PLC has not yet been initialized for communications.)

Meaning of the DriverP4 parameter:

Defines the duration in msec. of the initial break signal (standard: 400 msec.).

Meaning of the DriverP5 parameter:

Defines the time delay in msec., to wait before sending the attach command (standard: 50 msec. in a point to point connection, 600 msec. in a modem connection).

Meaning of the DriverP6 parameter:

Station name used when DriverP0=-1. Must be a 8-character string.

Write Analog Outputs

Description of this command:

This command allows you to write the value of the analog outputs.

Methods used to run this command:

Analog Output

Number of points accepted by this command:

1

Meaning of the DriverP0 parameter:

Identifies the station address number (001-999). The SNP ID expected by the PLC is in fact a string of 8 ASCII characters. Because P0 is a numeric parameter, the string used is always "GEFxxx\0\0" where xxx is the part specified in P0 as the station number (3 digits). For example, if the station number indicated in P0 is 1, the SNP ID will be sent as GEF001\0\0, or what is the same, "GEF001" followed by two NULL characters.

Important note: If DriverP0=-1, the driver will send the string given in DriverP6.

Meaning of the DriverP1 parameter:

12

Meaning of the DriverP2 parameter:

Defines the address of the element to be write (1..65535).

Meaning of the DriverP3 parameter:

Indicates if the ATTACH command is sent before writing.

- 0 = Send the ATTACH command.

- 1 = Do not send the ATTACH command. (Its use is necessary when the first request to the PLC is done, because up to that moment the PLC has not yet been initialized for communications.)

Meaning of the DriverP4 parameter:

Defines the duration in msec. of the initial break signal (standard: 400 msec.).

Meaning of the DriverP5 parameter:

Defines the time delay in msec., to wait before sending the attach command (standard: 50 msec. in a point to point connection, 600 msec. in a modem connection).

Meaning of the DriverP6 parameter:

Station name used when DriverP0=-1. Must be a 8-character string.

Write Discrete Inputs in Bit Mode

Description of this command:

This command allows you to write the value of the discrete inputs in bit mode.

CPKSoft Engineering

Industrial communication drivers.

www.cpksoft.com

www.facebook.com/

cpksoftengineering

cpksoftengineering@

hotmail.com

phone: 54-911-45788354

1990-2012

Industrial communication solutions for Windows

Methods used to run this command:

Digital Output

Number of points accepted by this command:

1

Meaning of the DriverP0 parameter:

Identifies the station address number (001-999). The SNP ID expected by the PLC is in fact a string of 8 ASCII characters. Because P0 is a numeric parameter, the string used is always "GEFxxx\0\0" where xxx is the part specified in P0 as the station number (3 digits). For example, if the station number indicated in P0 is 1, the SNP ID will be sent as GEF001\0\0, or what is the same, "GEF001" followed by two NULL characters.

Important note: If DriverP0=-1, the driver will send the string given in DriverP6.

Meaning of the DriverP1 parameter:

70

Meaning of the DriverP2 parameter:

Defines the address of the element to be write (1..65535).

Meaning of the DriverP3 parameter:

Indicates if the ATTACH command is sent before writing.

- 0 = Send the ATTACH command.

- 1 = Do not send the ATTACH command. (Its use is necessary when the first request to the PLC is done, because up to that moment the PLC has not yet been initialized for communications.)

Meaning of the DriverP4 parameter:

Defines the duration in msec. of the initial break signal (standard: 400 msec.).

Meaning of the DriverP5 parameter:

Defines the time delay in msec., to wait before sending the attach command (standard: 50 msec. in a point to point connection, 600 msec. in a modem connection).

Meaning of the DriverP6 parameter:

Station name used when DriverP0=-1. Must be a 8-character string.

Write Discrete Inputs in Byte Mode

Description of this command:

This command allows you to write the value of the discrete inputs in byte mode.

Methods used to run this command:

Analog Output

Number of points accepted by this command:

1-8

Meaning of the DriverP0 parameter:

Identifies the station address number (001-999). The SNP ID expected by the PLC is in fact a string of 8 ASCII characters. Because P0 is a numeric parameter, the string used is always "GEFxxx\0\0" where xxx is the part specified in P0 as the station number (3 digits). For example, if the station number indicated in P0 is 1, the SNP ID will be sent as GEF001\0\0, or what is the same, "GEF001" followed by two NULL characters.

Important note: If DriverP0=-1, the driver will send the string given in DriverP6.

Meaning of the DriverP1 parameter:

16

Meaning of the DriverP2 parameter:

Defines the address of the element to be write (1..65535).

Meaning of the DriverP3 parameter:

Indicates if the ATTACH command is sent before writing.

- 0 = Send the ATTACH command.

- 1 = Do not send the ATTACH command. (Its use is necessary when the first request to the PLC is done, because up to that moment the PLC has not yet been initialized for communications.)

Meaning of the DriverP4 parameter:

Defines the duration in msec. of the initial break signal (standard: 400 msec.).

Meaning of the DriverP5 parameter:

Defines the time delay in msec., to wait before sending the attach command (standard: 50 msec. in a point to point connection, 600 msec. in a modem connection).

Meaning of the DriverP6 parameter:

Station name used when DriverP0=-1. Must be a 8-character string.

CPKSoft Engineering

Industrial communication drivers.

www.cpksoft.com

www.facebook.com/

cpksoftengineering

cpksoftengineering@

hotmail.com

phone: 54-911-45788354

1990-2012

Industrial communication solutions for Windows

Write Discrete Outputs in Bit Mode

Description of this command:

This command allows you to write the value of the discrete outputs in bit mode.

Methods used to run this command:

Digital Output

Number of points accepted by this command:

1

Meaning of the DriverP0 parameter:

Identifies the station address number (001-999). The SNP ID expected by the PLC is in fact a string of 8 ASCII characters. Because P0 is a numeric parameter, the string used is always "GEFxxx\0\0" where xxx is the part specified in P0 as the station number (3 digits). For example, if the station number indicated in P0 is 1, the SNP ID will be sent as GEF001\0\0, or what is the same, "GEF001" followed by two NULL characters.

Important note: If DriverP0=-1, the driver will send the string given in DriverP6.

Meaning of the DriverP1 parameter:

72

Meaning of the DriverP2 parameter:

Defines the address of the element to be write (1..65535).

Meaning of the DriverP3 parameter:

Indicates if the ATTACH command is sent before writing.

- 0 = Send the ATTACH command.

- 1 = Do not send the ATTACH command. (Its use is necessary when the first request to the PLC is done, because up to that moment the PLC has not yet been initialized for communications.)

Meaning of the DriverP4 parameter:

Defines the duration in msec. of the initial break signal (standard: 400 msec.).

Meaning of the DriverP5 parameter:

Defines the time delay in msec., to wait before sending the attach command (standard: 50 msec. in a point to point connection, 600 msec. in a modem connection).

Meaning of the DriverP6 parameter:

Station name used when DriverP0=-1. Must be a 8-character string.

Write Discrete Outputs in Byte Mode

Description of this command:

This command allows you to write the value of the discrete outputs in byte mode.

Methods used to run this command:

Analog Output

Number of points accepted by this command:

1-8

Meaning of the DriverP0 parameter:

Identifies the station address number (001-999). The SNP ID expected by the PLC is in fact a string of 8 ASCII characters. Because P0 is a numeric parameter, the string used is always "GEFxxx\0\0" where xxx is the part specified in P0 as the station number (3 digits). For example, if the station number indicated in P0 is 1, the SNP ID will be sent as GEF001\0\0, or what is the same, "GEF001" followed by two NULL characters.

Important note: If DriverP0=-1, the driver will send the string given in DriverP6.

Meaning of the DriverP1 parameter:

18

Meaning of the DriverP2 parameter:

Defines the address of the element to be write (1..65535).

Meaning of the DriverP3 parameter:

Indicates if the ATTACH command is sent before writing.

- 0 = Send the ATTACH command.

- 1 = Do not send the ATTACH command. (Its use is necessary when the first request to the PLC is done, because up to that moment the PLC has not yet been initialized for communications.)

Meaning of the DriverP4 parameter:

Defines the duration in msec. of the initial break signal (standard: 400 msec.).

Meaning of the DriverP5 parameter:

Defines the time delay in msec., to wait before sending the attach command (standard: 50 msec. in a point to point connection, 600 msec. in a modem connection).

CPKSoft Engineering

Industrial communication drivers.

www.cpksoft.com

www.facebook.com/cpksoftengineering

cpksoftengineering@hotmail.com

phone: 54-911-45788354

1990-2012

Industrial communication solutions for Windows

Meaning of the DriverP6 parameter:

Station name used when DriverP0=-1. Must be a 8-character string.

Write Discrete Temporaries in Bit Mode

Description of this command:

This command allows you to write the value of the discrete temporaries in bit mode.

Methods used to run this command:

Digital Output

Number of points accepted by this command:

1

Meaning of the DriverP0 parameter:

Identifies the station address number (001-999). The SNP ID expected by the PLC is in fact a string of 8 ASCII characters. Because P0 is a numeric parameter, the string used is always "GEFxxx\0\0" where xxx is the part specified in P0 as the station number (3 digits). For example, if the station number indicated in P0 is 1, the SNP ID will be sent as GEF001\0\0, or what is the same, "GEF001" followed by two NULL characters.

Important note: If DriverP0=-1, the driver will send the string given in DriverP6.

Meaning of the DriverP1 parameter:

74

Meaning of the DriverP2 parameter:

Defines the address of the element to be write (1..65535).

Meaning of the DriverP3 parameter:

Indicates if the ATTACH command is sent before writing.

- 0 = Send the ATTACH command.
- 1 = Do not send the ATTACH command. (Its use is necessary when the first request to the PLC is done, because up to that moment the PLC has not yet been initialized for communications.)

Meaning of the DriverP4 parameter:

Defines the duration in msec. of the initial break signal (standard: 400 msec.).

Meaning of the DriverP5 parameter:

Defines the time delay in msec., to wait before sending the attach command (standard: 50 msec. in a point to point connection, 600 msec. in a modem connection).

Meaning of the DriverP6 parameter:

Station name used when DriverP0=-1. Must be a 8-character string.

Write Discrete Temporaries in Byte Mode

Description of this command:

This command allows you to write the value of the discrete temporaries in byte mode.

Methods used to run this command:

Analog Output

Number of points accepted by this command:

1-8

Meaning of the DriverP0 parameter:

Identifies the station address number (001-999). The SNP ID expected by the PLC is in fact a string of 8 ASCII characters. Because P0 is a numeric parameter, the string used is always "GEFxxx\0\0" where xxx is the part specified in P0 as the station number (3 digits). For example, if the station number indicated in P0 is 1, the SNP ID will be sent as GEF001\0\0, or what is the same, "GEF001" followed by two NULL characters.

Important note: If DriverP0=-1, the driver will send the string given in DriverP6.

Meaning of the DriverP1 parameter:

20

Meaning of the DriverP2 parameter:

Defines the address of the element to be write (1..65535).

Meaning of the DriverP3 parameter:

Indicates if the ATTACH command is sent before writing.

- 0 = Send the ATTACH command.
- 1 = Do not send the ATTACH command. (Its use is necessary when the first request to the PLC is done, because up to that moment the PLC has not yet been initialized for communications.)

Meaning of the DriverP4 parameter:

Defines the duration in msec. of the initial break signal (standard: 400 msec.).

CPKSoft Engineering

Industrial communication drivers.

www.cpksoft.com

www.facebook.com/cpksoftengineering

cpksoftengineering@hotmail.com

cpksoftengineering@hotmail.com

phone: 54-911-45788354

1990-2012

Industrial communication solutions for Windows

Meaning of the DriverP5 parameter:

Defines the time delay in msec., to wait before sending the attach command (standard: 50 msec. in a point to point connection, 600 msec. in a modem connection).

Meaning of the DriverP6 parameter:

Station name used when DriverP0=-1. Must be a 8-character string.

Write Discrete Internals in Bit Mode

Description of this command:

This command allows you to write the value of the discrete internals in bit mode.

Methods used to run this command:

Digital Output

Number of points accepted by this command:

1

Meaning of the DriverP0 parameter:

Identifies the station address number (001-999). The SNP ID expected by the PLC is in fact a string of 8 ASCII characters. Because P0 is a numeric parameter, the string used is always "GEFxxx\0\0" where xxx is the part specified in P0 as the station number (3 digits). For example, if the station number indicated in P0 is 1, the SNP ID will be sent as GEF001\0\0, or what is the same, "GEF001" followed by two NULL characters.

Important note: If DriverP0=-1, the driver will send the string given in DriverP6.

Meaning of the DriverP1 parameter:

76

Meaning of the DriverP2 parameter:

Defines the address of the element to be write (1..65535).

Meaning of the DriverP3 parameter:

Indicates if the ATTACH command is sent before writing.

- 0 = Send the ATTACH command.

- 1 = Do not send the ATTACH command. (Its use is necessary when the first request to the PLC is done, because up to that moment the PLC has not yet been initialized for communications.)

Meaning of the DriverP4 parameter:

Defines the duration in msec. of the initial break signal (standard: 400 msec.).

Meaning of the DriverP5 parameter:

Defines the time delay in msec., to wait before sending the attach command (standard: 50 msec. in a point to point connection, 600 msec. in a modem connection).

Meaning of the DriverP6 parameter:

Station name used when DriverP0=-1. Must be a 8-character string.

Write Discrete Internals in Byte Mode

Description of this command:

This command allows you to write the value of the discrete internals in byte mode.

Methods used to run this command:

Analog Output

Number of points accepted by this command:

1-8

Meaning of the DriverP0 parameter:

Identifies the station address number (001-999). The SNP ID expected by the PLC is in fact a string of 8 ASCII characters. Because P0 is a numeric parameter, the string used is always "GEFxxx\0\0" where xxx is the part specified in P0 as the station number (3 digits). For example, if the station number indicated in P0 is 1, the SNP ID will be sent as GEF001\0\0, or what is the same, "GEF001" followed by two NULL characters.

Important note: If DriverP0=-1, the driver will send the string given in DriverP6.

Meaning of the DriverP1 parameter:

22

Meaning of the DriverP2 parameter:

Defines the address of the element to be write (1..65535).

Meaning of the DriverP3 parameter:

Indicates if the ATTACH command is sent before writing.

- 0 = Send the ATTACH command.

CPKSoft Engineering

Industrial communication drivers.

www.cpksoft.com

www.facebook.com/

cpksoftengineering

cpksoftengineering@

hotmail.com

phone: 54-911-45788354

1990-2012

Industrial communication solutions for Windows

- 1 = Do not send the ATTACH command. (Its use is necessary when the first request to the PLC is done, because up to that moment the PLC has not yet been initialized for communications.)

Meaning of the DriverP4 parameter:

Defines the duration in msec. of the initial break signal (standard: 400 msec.).

Meaning of the DriverP5 parameter:

Defines the time delay in msec., to wait before sending the attach command (standard: 50 msec. in a point to point connection, 600 msec. in a modem connection).

Meaning of the DriverP6 parameter:

Station name used when DriverP0=-1. Must be a 8-character string.

Write Discrete SA in Bit Mode

Description of this command:

This command allows you to write the value of the discrete SA in bit mode.

Methods used to run this command:

Digital Output

Number of points accepted by this command:

1

Meaning of the DriverP0 parameter:

Identifies the station address number (001-999). The SNP ID expected by the PLC is in fact a string of 8 ASCII characters. Because P0 is a numeric parameter, the string used is always "GEFxxx\0\0" where xxx is the part specified in P0 as the station number (3 digits). For example, if the station number indicated in P0 is 1, the SNP ID will be sent as GEF001\0\0, or what is the same, "GEF001" followed by two NULL characters.

Important note: If DriverP0=-1, the driver will send the string given in DriverP6.

Meaning of the DriverP1 parameter:

78

Meaning of the DriverP2 parameter:

Defines the address of the element to be write (1..65535).

Meaning of the DriverP3 parameter:

Indicates if the ATTACH command is sent before writing.

- 0 = Send the ATTACH command.

- 1 = Do not send the ATTACH command. (Its use is necessary when the first request to the PLC is done, because up to that moment the PLC has not yet been initialized for communications.)

Meaning of the DriverP4 parameter:

Defines the duration in msec. of the initial break signal (standard: 400 msec.).

Meaning of the DriverP5 parameter:

Defines the time delay in msec., to wait before sending the attach command (standard: 50 msec. in a point to point connection, 600 msec. in a modem connection).

Meaning of the DriverP6 parameter:

Station name used when DriverP0=-1. Must be a 8-character string.

Write Discrete SA in Byte Mode

Description of this command:

This command allows you to write the value of the discrete SA in byte mode.

Methods used to run this command:

Analog Output

Number of points accepted by this command:

1-8

Meaning of the DriverP0 parameter:

Identifies the station address number (001-999). The SNP ID expected by the PLC is in fact a string of 8 ASCII characters. Because P0 is a numeric parameter, the string used is always "GEFxxx\0\0" where xxx is the part specified in P0 as the station number (3 digits). For example, if the station number indicated in P0 is 1, the SNP ID will be sent as GEF001\0\0, or what is the same, "GEF001" followed by two NULL characters.

Important note: If DriverP0=-1, the driver will send the string given in DriverP6.

Meaning of the DriverP1 parameter:

24

Meaning of the DriverP2 parameter:

Defines the address of the element to be write (1..65535).

CPKSoft Engineering

Industrial communication drivers.

www.cpksoft.com

www.facebook.com/

cpksoftengineering

cpksoftengineering@

hotmail.com

phone: 54-911-45788354

1990-2012

Industrial communication solutions for Windows

Meaning of the DriverP3 parameter:

Indicates if the ATTACH command is sent before writing.

- 0 = Send the ATTACH command.
- 1 = Do not send the ATTACH command. (Its use is necessary when the first request to the PLC is done, because up to that moment the PLC has not yet been initialized for communications.)

Meaning of the DriverP4 parameter:

Defines the duration in msec. of the initial break signal (standard: 400 msec.).

Meaning of the DriverP5 parameter:

Defines the time delay in msec., to wait before sending the attach command (standard: 50 msec. in a point to point connection, 600 msec. in a modem connection).

Meaning of the DriverP6 parameter:

Station name used when DriverP0=-1. Must be a 8-character string.

Write Discrete SB in Bit Mode

Description of this command:

This command allows you to write the value of the discrete SB in bit mode.

Methods used to run this command:

Digital Output

Number of points accepted by this command:

1

Meaning of the DriverP0 parameter:

Identifies the station address number (001-999). The SNP ID expected by the PLC is in fact a string of 8 ASCII characters. Because P0 is a numeric parameter, the string used is always "GEFxxx\0\0" where xxx is the part specified in P0 as the station number (3 digits). For example, if the station number indicated in P0 is 1, the SNP ID will be sent as GEF001\0\0, or what is the same, "GEF001" followed by two NULL characters.

Important note: If DriverP0=-1, the driver will send the string given in DriverP6.

Meaning of the DriverP1 parameter:

80

Meaning of the DriverP2 parameter:

Defines the address of the element to be write (1..65535).

Meaning of the DriverP3 parameter:

Indicates if the ATTACH command is sent before writing.

- 0 = Send the ATTACH command.
- 1 = Do not send the ATTACH command. (Its use is necessary when the first request to the PLC is done, because up to that moment the PLC has not yet been initialized for communications.)

Meaning of the DriverP4 parameter:

Defines the duration in msec. of the initial break signal (standard: 400 msec.).

Meaning of the DriverP5 parameter:

Defines the time delay in msec., to wait before sending the attach command (standard: 50 msec. in a point to point connection, 600 msec. in a modem connection).

Meaning of the DriverP6 parameter:

Station name used when DriverP0=-1. Must be a 8-character string.

Write Discrete SB in Byte Mode

Description of this command:

This command allows you to write the value of the discrete SB in byte mode.

Methods used to run this command:

Analog Output

Number of points accepted by this command:

1-8

Meaning of the DriverP0 parameter:

Identifies the station address number (001-999). The SNP ID expected by the PLC is in fact a string of 8 ASCII characters. Because P0 is a numeric parameter, the string used is always "GEFxxx\0\0" where xxx is the part specified in P0 as the station number (3 digits). For example, if the station number indicated in P0 is 1, the SNP ID will be sent as GEF001\0\0, or what is the same, "GEF001" followed by two NULL characters.

CPKSoft Engineering

Industrial communication
drivers.

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

1990-2012

Industrial communication solutions for Windows

Important note:If DriverP0=-1, the driver will send the string given in DriverP6.

Meaning of the DriverP1 parameter:

26

Meaning of the DriverP2 parameter:

Defines the address of the element to be write (1..65535).

Meaning of the DriverP3 parameter:

Indicates if the ATTACH command is sent before writing.

- 0 = Send the ATTACH command.

- 1 = Do not send the ATTACH command. (Its use is necessary when the first request to the PLC is done, because up to that moment the PLC has not yet been initialized for communications.)

Meaning of the DriverP4 parameter:

Defines the duration in msec. of the initial break signal (standard: 400 msec.).

Meaning of the DriverP5 parameter:

Defines the time delay in msec., to wait before sending the attach command (standard: 50 msec. in a point to point connection, 600 msec. in a modem connection).

Meaning of the DriverP6 parameter:

Station name used when DriverP0=-1. Must be a 8-character string.

Write Discrete SC in Bit Mode

Description of this command:

This command allows you to write the value of the discrete SC in bit mode.

Methods used to run this command:

Digital Output

Number of points accepted by this command:

1

Meaning of the DriverP0 parameter:

Identifies the station address number (001-999). The SNP ID expected by the PLC is in fact a string of 8 ASCII characters. Because P0 is a numeric parameter, the string used is always "GEFxxx\0\0" where xxx is the part specified in P0 as the station number (3 digits). For example, if the station number indicated in P0 is 1, the SNP ID will be sent as GEF001\0\0, or what is the same, "GEF001" followed by two NULL characters.

Important note:If DriverP0=-1, the driver will send the string given in DriverP6.

Meaning of the DriverP1 parameter:

82

Meaning of the DriverP2 parameter:

Defines the address of the element to be write (1..65535).

Meaning of the DriverP3 parameter:

Indicates if the ATTACH command is sent before writing.

- 0 = Send the ATTACH command.

- 1 = Do not send the ATTACH command. (Its use is necessary when the first request to the PLC is done, because up to that moment the PLC has not yet been initialized for communications.)

Meaning of the DriverP4 parameter:

Defines the duration in msec. of the initial break signal (standard: 400 msec.).

Meaning of the DriverP5 parameter:

Defines the time delay in msec., to wait before sending the attach command (standard: 50 msec. in a point to point connection, 600 msec. in a modem connection).

Meaning of the DriverP6 parameter:

Station name used when DriverP0=-1. Must be a 8-character string.

Write Discrete SC in Byte Mode

Description of this command:

This command allows you to write the value of the discrete SC in byte mode.

Methods used to run this command:

Analog Output

Number of points accepted by this command:

1-8

Meaning of the DriverP0 parameter:

Identifies the station address number (001-999). The SNP ID expected by the PLC is in fact a string of 8 ASCII characters. Because P0 is a numeric parameter, the string used is always

CPKSoft Engineering

Industrial communication drivers.

www.cpksoft.com

www.facebook.com/

cpksoftengineering

cpksoftengineering@

hotmail.com

phone: 54-911-45788354

1990-2012

Industrial communication solutions for Windows

"GEFxxx\0\0" where xxx is the part specified in P0 as the station number (3 digits). For example, if the station number indicated in P0 is 1, the SNP ID will be sent as GEF001\0\0, or what is the same, "GEF001" followed by two NULL characters.

Important note: If DriverP0=-1, the driver will send the string given in DriverP6.

Meaning of the DriverP1 parameter:

28

Meaning of the DriverP2 parameter:

Defines the address of the element to be write (1..65535).

Meaning of the DriverP3 parameter:

Indicates if the ATTACH command is sent before writing.

- 0 = Send the ATTACH command.

- 1 = Do not send the ATTACH command. (Its use is necessary when the first request to the PLC is done, because up to that moment the PLC has not yet been initialized for communications.)

Meaning of the DriverP4 parameter:

Defines the duration in msec. of the initial break signal (standard: 400 msec.).

Meaning of the DriverP5 parameter:

Defines the time delay in msec., to wait before sending the attach command (standard: 50 msec. in a point to point connection, 600 msec. in a modem connection).

Meaning of the DriverP6 parameter:

Station name used when DriverP0=-1. Must be a 8-character string.

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
[1410] PROTOCOL (Format): Invalid device id in response
[1415] PROTOCOL (Format): Invalid response format
[1433] PROTOCOL (Format): Validation error in device response
[2147] CONFIG (NumValues): Only one value can be read or written
[2196] CONFIG (NumValues): Too many values (max=200)
[3019] CONFIG (P0): Invalid device address (0-999)
[3030] CONFIG (P0): Invalid device address (1-999)
[3508] CONFIG (P1): Invalid command
[4007] CONFIG (P2): Invalid address (0-65535)
[4508] CONFIG (P3): Invalid attach mode (0-1)
[6036] CONFIG (P6): Station number must have 1 to 8 characters
[8029] CONFIG (Remote): Autodial Error
[8173] CONFIG (Remote): Illegal mailbox type
[8175] CONFIG (Remote): Illegal service request
[8187] CONFIG (Remote): Insufficient privilege
[8193] CONFIG (Remote): Invalid command returned
[8209] CONFIG (Remote): Local SNP/SNP-X error
[8271] CONFIG (Remote): Problem with getting mail to slave service request task
[8272] CONFIG (Remote): Problem with sending mail to slave service request task
[8285] CONFIG (Remote): Protocol sequence error
[8300] CONFIG (Remote): Remote SNP error
[8317] CONFIG (Remote): Service request error
[8318] CONFIG (Remote): Slave SNP task could not find the requested datagram connection
[8319] CONFIG (Remote): Slave SNP task encountered an error in trying to update the datagram
[8320] CONFIG (Remote): Slave SNP task encountered an error in trying to write the datagram
[8321] CONFIG (Remote): Slave SNP task time out before receiving an response
[8322] CONFIG (Remote): SNP DOS driver error
[8323] CONFIG (Remote): SNP-X slave error
[8332] CONFIG (Remote): The PLC CPU's service request queue is full
[8347] CONFIG (Remote): Unknown error

CPKSoft Engineering

Industrial communication
drivers.

www.cpksoft.com

www.facebook.com/

cpksoftengineering

cpksoftengineering@

hotmail.com

phone: 54-911-45788354

1990-2012

Industrial communication solutions for Windows

Supported devices

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

GENERAL ELECTRIC Model GE FANUC Series 90 PLC

CPKSoft Engineering

Industrial communication drivers.

www.cpksoft.com

www.facebook.com/cpksoftengineering

cpksoftengineering@hotmail.com

phone: 54-911-45788354

1990-2012