

# Industrial communication solutions for Windows

## XMP12YMB Driver Manual

*SCHNEIDER ELECTRIC MiCOM P125/P126/P127 Relays  
Modbus TCP Protocol Driver*

### Contents

XMP12YMB technical specifications .....	3
General information .....	3
Command list .....	3
Read Status .....	3
Read Random Registers .....	3
Read Last Fault .....	5
Read Events .....	5
Synchronize .....	6
Get Disturbance Record List .....	7
Download Disturbance Record .....	8
Read Accessory Functions Part 1 .....	9
Read Accessory Functions Part 2 .....	10
Read Accessory Functions Part 3 .....	11
Read Non Acknowledged Alarms Part 1 .....	11
Read Non Acknowledged Alarms Part 2 .....	12
Read Non Acknowledged Alarms Part 3 .....	13
Read Non Acknowledged Alarms Part 4 .....	13
Read Non Acknowledged Alarms Part 5 .....	14
Read Non Acknowledged Alarms Part 6 .....	15
Read Circuit Breaker Status .....	16
Read Digital Inputs State Part 1 .....	16
Read Digital Inputs State Part 2 .....	17
Read Group Selected .....	18
Read HW Alarms .....	18
Read LED Status .....	19
Read LED Parts .....	20
Read Miscellaneous Information 1 .....	20
Read Protection 37 Information .....	21
Read Protection 49 Information .....	21
Read Protection 67 Information Part 1 .....	22
Read Protection 67 Information Part 2 .....	23
Read Protection 67 Information Part 3 .....	23
Read Protection 67n Information Part 1 .....	24

CPKSoft Engineering

Industrial communication  
drivers.

[www.cpksoft.com](http://www.cpksoft.com)

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

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

phone: 54-911-45788354

1990-2013

# Industrial communication solutions for Windows

Read Protection 67n Information Part 2.....	24
Read Protection 67n Information Part 3.....	25
Read Relays Latch Configuration and Status .....	26
Read Miscellaneous Information 2.....	26
Read Serial Number.....	27
Read Identification Information .....	27
Input Status.....	28
Relay Status.....	29
Read Measurements Group 1 .....	29
Read Measurements Group 2 .....	30
Read IA Measurements.....	31
Read IB Measurements.....	32
Read IC Measurements.....	32
Read Measurements Group 3 .....	33
Read Measurements Group 4 .....	34
Read VA Measurements .....	35
Read VB Measurements .....	35
Read VC Measurements .....	36
Error messages.....	37
Supported devices.....	37

## CPKSoft Engineering

Industrial communication  
drivers.

[www.cpksoft.com](http://www.cpksoft.com)

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

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

phone: 54-911-45788354

1990-2013

# Industrial communication solutions for Windows

## XMP12YMB technical specifications

### General information

XMP12YMB driver supports SCHNEIDER ELECTRIC/AREVA MiCOM P125/P126/P127 v15 Directional/Non-Directional Relays using the Modbus RTU protocol according to the Schneider Electric P12y/EN M/Fa5\_ Technical Guide (P12Y\_EN\_M\_Fa5\_.pdf).  
MiCOM P125, P126, P127 relays can communicate by a RS 485 link behind the unit following the MODBUS RTU protocol.  
A MODBUS NETWORK IS LIMITED TO 32 RELAY ADDRESSES ON THE SAME MODBUS SUB-LAN.

### Command list

#### Read Status

**Description of this command:**

Obtains current status (ON/OFF) in a group of logic coils. This command implements Modbus function 1.

**Methods used to run this command:**

Digital Input (ReadBooleanValues)

**Number of points accepted by this command:**

1-1000

**Meaning of the DriverP0 parameter:**

Station number (0-255).

**Meaning of the DriverP1 parameter:**

1

**Meaning of the DriverP2 parameter:**

Indicates the starting coil address.

**Values that are returned:**

Value in PointValue (0) = First coil status (0=OFF, 1=ON)

Value in PointValue (1) = Second coil status (0=OFF, 1=ON)

...

Value in PointValue (n-1) = Last coil status (0=OFF, 1=ON)

#### Read Random Registers

**Description of this command:**

Reads information from the slave.

**Methods used to run this command:**

Analog Input (ReadNumericValues)

**Number of points accepted by this command:**

1-250

**Meaning of the DriverP0 parameter:**

Unit Address (1-255).

**Meaning of the DriverP1 parameter:**

0

**Meaning of the DriverP2 parameter:**

Not used.

**Meaning of the DriverP3 parameter:**

Indicates the format for returned dates:

0 = Use English format (MM/DD/YYYY)

1 = Use Spanish format (DD/MM/YYYY)

**Meaning of the DriverP4 parameter:**

Modbus protocol type, where:

0 = RTU (for slave serial ports)

1 = TCP (for slave ethernet ports)

CPKSoft Engineering

Industrial communication drivers.

[www.cpksoft.com](http://www.cpksoft.com)

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

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

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

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

phone: 54-911-45788354

1990-2013

# Industrial communication solutions for Windows

## Meaning of the DriverP5 parameter:

Number of retries reading each item, before discarding the whole communication.

## Meaning of the DriverP6 parameter:

Not used.

## Meaning of the DriverP7 parameter:

Comma-separated list of register items to be read, using the format

"NNNFD:AAAA[:INV\_VAL],NNNFD:AAAA[:INV\_VAL],NNNFD:AAAA[:INV\_VAL],..." where:

- <NNN> = Number of pointvalues to be returned by this item (1-999). If the item returns more values than reserved points, extra values are discarded. If it returns less values, points are filled with -1 and empty texts.

- <F> = Format code, where:

- D=Get date from an unsigned \_\_int64 milliseconds since 01/01/2000

- T=Get time from an unsigned \_\_int64 milliseconds since 01/01/2000

- s=Get text from WORD Modbus registers (use the Divisor format parameter to set the number of registers to be read. For example, 's5' will read 5 registers, this is, 10 bytes).

- u=Get a 16-bit unsigned integer (WORD, 1 Modbus register)

- U=Get a 32-bit unsigned integer (DWORD, 2 Modbus registers)

- V=Get a 64-bit unsigned integer (UINT64, 4 Modbus registers)

- i=Get a 16-bit signed integer (short, 1 Modbus register)

- l=Get a 32-bit signed integer (int, 2 Modbus registers)

- f=Get a 32-bit IEEE floating point number (float, 2 Modbus registers)

- g=Get a 32-bit IEEE floating point number (float, 2 Modbus registers, reversed)

- h=Get a 32-bit IEEE floating point number (float, 2 Modbus registers, swapped words)

- F=Get a 64-bit IEEE floating point number (double, 4 Modbus registers)

- G=Get a 64-bit IEEE floating point number (double, 4 Modbus registers, reversed)

- H=Get a 64-bit IEEE floating point number (double, 4 Modbus registers, swapped words)

- b=Get individual bit values as 0 or 1 (registers will be considered as words and number of actual words requested will be (NN/16)+1)

- a=Get individual bit values as active or inactive (same as case 'b')

- A=Get individual bit values as Active or Inactive (same as case 'b')

- l=Get individual bit values as high or low (same as case 'b')

- L=Get individual bit values as High or Low (same as case 'b')

- o=Get individual bit values as on or off (same as case 'b')

- O=Get individual bit values as On or Off (same as case 'b')

- y=Get individual bit values as yes or no (same as case 'b')

- Y=Get individual bit values as Yes or No (same as case 'b')

- @=Return a string from a built-in string list based on the obtained '16-bit unsigned' register value

- \$=Return a string from a built-in string list based on the text contents in <D> registers

- <D> = Divisor, where (if format is '\$', this value indicates a number of registers to be read):

- 0=No divisor

- 1=Divide by 10

- 2=Divide by 100

- 3=Divide by 1000

- 4=Divide by 10000

- 5=Divide by 100000

- d=Multiply by 360/65536

- <AAAA> = First register address, as a 4-digit uppercase hexadecimal number (0000-FFFF)

- #INV\_VAL = Optional value to be considered as an invalid value and returned as '\*\*\*\*\*'.

Value is compared before the divisor is applied.

- Example =

001D0:FFF0,001T0:FFF0,003@0:0E36,192O0:0294,001i2:003E:9999,001f0:231C:-  
1298415.875

## Meaning of the DriverP8 parameter:

Not used.

## Meaning of the DriverP9 parameter:

Not used.

## Important note:

Consider that each item may return several values, so DriverNumPoints should be big enough to receive all values.

## Values that are returned:

Value in PointValue (0) = First numeric data returned by first item

CPKSoft Engineering

Industrial communication  
drivers.

[www.cpksoft.com](http://www.cpksoft.com)

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

cpksoftengineering

cpksoftengineering@

hotmail.com

phone: 54-911-45788354

1990-2013

# Industrial communication solutions for Windows

Text in PointText (0) = First text data returned by first item

...

Value in PointValue (DriverNumPoints-1) = Last numeric data returned by last item

Text in PointText (DriverNumPoints-1) = Last text data returned by last item

## Read Last Fault

### **Description of this command:**

Reads last fault information.

### **Methods used to run this command:**

Analog Input (ReadNumericValues)

### **Number of points accepted by this command:**

1-11

### **Meaning of the DriverP0 parameter:**

Unit Address (1-255).

### **Meaning of the DriverP1 parameter:**

8

### **Meaning of the DriverP2 parameter:**

Fault number (1-24, 1=newest, 24=oldest).

### **Meaning of the DriverP3 parameter:**

Indicates the format for returned dates:

0 = Use English format (MM/DD/YYYY hh:mm:ss.000)

1 = Use Spanish format (DD/MM/YYYY hh:mm:ss.000)

### **Meaning of the DriverP4 parameter:**

Modbus protocol type, where:

0 = RTU (for slave serial ports)

1 = TCP (for slave ethernet ports)

### **Meaning of the DriverP5 parameter:**

Number of data request retries before discarding the whole communication.

### **Meaning of the DriverP6 parameter:**

Not used.

### **Meaning of the DriverP7 parameter:**

Not used.

### **Meaning of the DriverP8 parameter:**

Not used.

### **Meaning of the DriverP9 parameter:**

Not used.

### **Values that are returned:**

Text in PointText (0) = Fault Number

Text in PointText (1) = Fault Date

Text in PointText (2) = Fault Type

Text in PointText (3) = Faulty Phase

Text in PointText (4) = Fault Magnitude Value (A)

Text in PointText (5) = Phase A Magnitude (RMS) (A)

Text in PointText (6) = Phase B Magnitude (RMS) (A)

Text in PointText (7) = Phase C Magnitude (RMS) (A)

Text in PointText (8) = Earth/Ground Magnitude (RMS) (A)

Text in PointText (9) = Active Configuration Group

Text in PointText (10) = Fault Acknowledged

## Read Events

### **Description of this command:**

Requests the slave to send snap-shot events.

### **Methods used to run this command:**

Analog Input (ReadNumericValues)

### **Number of points accepted by this command:**

1

### **Meaning of the DriverP0 parameter:**

Unit Address (1-255).

### **Meaning of the DriverP1 parameter:**

7

CPKSoft Engineering

Industrial communication  
drivers.

[www.cpksoft.com](http://www.cpksoft.com)

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

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

phone: 54-911-45788354

1990-2013

# Industrial communication solutions for Windows

**Meaning of the DriverP2 parameter:**

Filter by Acknowledge (0=show only not acknowledged, 1=show only acknowledged, 2=show all)

**Meaning of the DriverP3 parameter:**

Indicates the format for returned dates:

0 = Use English format (MM/DD/YYYY hh:mm:ss.000)

1 = Use Spanish format (DD/MM/YYYY hh:mm:ss.000)

**Meaning of the DriverP4 parameter:**

Modbus protocol type, where:

0 = RTU (for slave serial ports)

1 = TCP (for slave ethernet ports)

**Meaning of the DriverP5 parameter:**

Number of data request retries before discarding the whole communication.

**Meaning of the DriverP6 parameter:**

Indicates the path where the event file will be generated. If this property is empty, the local driver folder is used by default.

**Meaning of the DriverP7 parameter:**

Delete event file if it exists (0=No, 1=Yes).

**Meaning of the DriverP8 parameter:**

Indicate if additional values must be included after each event (0=No, 1=Yes).

**Meaning of the DriverP9 parameter:**

Filename for event file. If empty, 'XMP12YMB\_Events.Relayxxx.txt' will be used, where xxx is the unit address given in DriverP0.

**Values that are returned:**

Value in PointValue (0) = Indicates how many events have been extracted.

Text in PointText (0) = Description of last event extracted (n/a if no events extracted).

## Synchronize

**Description of this command:**

Sets a new date and time using the PC clock date and time.

*This command follows this procedure:*

- Reads the current date and time from the slave.
- Compares the received slave date and time (plus the estimated reading delay indicated in DriverP6) against the current PC clock date and time.
- Based on the allowed time difference given in the P2 parameter, the driver determines if a synchronization is necessary.
- If a synchronization is required, the driver checks if password is active in relay. If a password is necessary, passwords defined in DriverP8 are attempted.
- Following, the driver sends the current PC clock date and time (plus the estimated transmission delay indicated in DriverP7) to the slave.
- After synchronization, reads back the new date and time from the slave.
- Compares the received slave date and time (plus the estimated reading delay indicated in DriverP6) against the current PC clock date and time.
- Based on the allowed time difference given in the P2 parameter, the driver determines if the synchronization was successful or not.
- Returns status or error information about the synchronization result.

**Methods used to run this command:**

Analog Input (ReadNumericValues)

**Number of points accepted by this command:**

1-9

**Meaning of the DriverP0 parameter:**

Unit Address (1-255).

**Meaning of the DriverP1 parameter:**

Synchronization mode, that sets the type of driver reaction when a synchronization resulted in the slave clock to be out of the allowed difference:

10 = If not successful, the driver call is considered successful and the unsuccessful situation is reported in PointValue(0) and PointText(0).

11 = If not successful, the driver call is considered as failed and a driver error is returned.

12 = If not successful, a broadcast synchronization command is sent to all slaves (using slave address 900) and after that synchronization is automatically retried, reporting the final situation in PointValue(0) and PointText(0).

**Meaning of the DriverP2 parameter:**

Allowed difference, in milliseconds.

# Industrial communication solutions for Windows

**Meaning of the DriverP3 parameter:**

Indicates the format for returned dates:

0 = Use English format (MM/DD/YYYY hh:mm:ss.000)

1 = Use Spanish format (DD/MM/YYYY hh:mm:ss.000)

**Meaning of the DriverP4 parameter:**

Modbus protocol type, where:

0 = RTU (for slave serial ports)

1 = TCP (for slave ethernet ports)

**Meaning of the DriverP5 parameter:**

Number of retries before discarding the whole communication.

**Meaning of the DriverP6 parameter:**

Estimated communication delay when reading date and time from the slave, in milliseconds. This delay has to do with the communication link and compensates the elapsed time between the moment the slave transmits the telegram with its date and time and the moment the telegram is received and processed by the driver.

**Meaning of the DriverP7 parameter:**

Estimated communication delay when transmitting date and time to the slave, in milliseconds. This delay has to do with the communication link and compensates the elapsed time between the moment the driver transmits the telegram with the PC clock date and time to the relay and the moment the telegram is received and processed by the slave.

**Meaning of the DriverP8 parameter:**

First and second ASCII password to be sent before synchronizing. If left empty, default is AAAA,ZZZZ.

**Meaning of the DriverP9 parameter:**

Not used.

**Values that are returned:**

Value in PointValue (0) = 0 if synchronization not needed, 1 if synchronized OK, 2 if error synchronizing.

Value in PointValue (1) = Returns how many retries were done with the broadcast command sent to all slaves (if it was necessary).

Value in PointValue (3) = Time difference before synchronization in milliseconds.

Value in PointValue (8) = Time difference after synchronization in milliseconds (also returns previous difference if synchronization was not needed).

Text in PointText (0) = Returned status or error message.

Text in PointText (1) = PC clock date and time obtained when starting communication.

Text in PointText (2) = Slave date and time received when starting communication.

Text in PointText (3) = Slave date and time received when starting communication, corrected with reading delay.

Text in PointText (4) = PC clock date and time obtained before synchronization (empty if synchronization was not needed).

Text in PointText (5) = Actual PC clock date and time used for synchronization, corrected with transmitting delay (empty if synchronization was not needed).

Text in PointText (6) = PC clock date and time obtained after synchronization (empty if synchronization was not needed).

Text in PointText (7) = Slave date and time received after synchronization (previous date and time if synchronization was not needed).

Text in PointText (8) = Slave date and time received after synchronization, corrected with reading delay (previous date and time if synchronization was not needed).

## Get Disturbance Record List

**Description of this command:**

Returns a list of disturbance records available, ordered by date and time, newest first. Record number is returned in PointValue and record time in PointText. If the number of records found is less than the number of points reserved, remaining pointvalues are set to -1 and pointtexts are set to 'n/a'.

**Methods used to run this command:**

Analog Input (ReadNumericValues)

**Number of points accepted by this command:**

1-5

**Meaning of the DriverP0 parameter:**

Unit Address (1-255).

# Industrial communication solutions for Windows

**Meaning of the DriverP1 parameter:**

1

**Meaning of the DriverP2 parameter:**

Not used.

**Meaning of the DriverP3 parameter:**

Indicates the format for returned dates:

0 = Use English format (MM/DD/YYYY hh:mm:ss.000)

1 = Use Spanish format (DD/MM/YYYY hh:mm:ss.000)

**Meaning of the DriverP4 parameter:**

Function type:

128 = Distance protection (typical setting)

160 = Overcurrent protection

176 = Transformer differential protection

192 = Line differential protection

254 = Generic classification GEN

255 = Global classification GLB

**Meaning of the DriverP5 parameter:**

Number of data request retries before discarding the whole communication.

**Meaning of the DriverP6 parameter:**

Not used.

**Meaning of the DriverP7 parameter:**

Not used.

**Meaning of the DriverP8 parameter:**

Not used.

**Meaning of the DriverP9 parameter:**

Not used.

**Values that are returned:**

Value in PointValue (0) = Newest disturbance record number

Text in PointText (0) = Date and time of newest disturbance record

- ...

Text in PointText (DriverNumPoints-1) = Oldest disturbance record number

Value in PointValue (DriverNumPoints-1) = Date and time of oldest disturbance record

## Download Disturbance Record

**Description of this command:**

Requests the slave to send the complete disturbance record information that correspond to the newest or a selected record number. Format of output files is COMTRADE ASCII. Both .cfg and .dat are generated according to IEEE Standard Common Format for Transient Data Exchange (COMTRADE) for Power Systems (1991 format). Additional .hdr and .inf files are generated, and can include user-supplied information through the DriverP8 parameter.

**Methods used to run this command:**

Analog Input (ReadNumericValues)

**Number of points accepted by this command:**

1-8

**Meaning of the DriverP0 parameter:**

Unit Address (1-255).

**Meaning of the DriverP1 parameter:**

2

**Meaning of the DriverP2 parameter:**

Record index to be downloaded (use 0 for newest and 4 for oldest)

**Meaning of the DriverP3 parameter:**

Indicates the format for returned dates:

0 = Use English format (MM/DD/YYYY hh:mm:ss.000)

1 = Use Spanish format (DD/MM/YYYY hh:mm:ss.000)

**Meaning of the DriverP4 parameter:**

Modbus protocol type, where:

0 = RTU (for slave serial ports)

1 = TCP (for slave ethernet ports)

**Meaning of the DriverP5 parameter:**

Number of data request retries before discarding the whole communication.

CPKSoft Engineering

Industrial communication  
drivers.

[www.cpksoft.com](http://www.cpksoft.com)

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

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

phone: 54-911-45788354

1990-2013



# Industrial communication solutions for Windows

**Meaning of the DriverP6 parameter:**

Indicates the path where the COMTRADE files will be generated. If this property is empty, the local driver folder is used by default.

**Meaning of the DriverP7 parameter:**

Indicates a TriggerTime that should not be downloaded if it happens to be the last TriggerTime available in the protection. If empty, the last TriggerTime available is downloaded. Format must be 'YYYY-MM-DD hh:mm:ss.uuuuuu000', where uuuuuu=microseconds.

**Meaning of the DriverP8 parameter:**

Comma-separated list with additional information about the protection to be used in the .hdr and .inf files. Format: FieldName1=value1,FieldName2=value2,etc. Example: ID=123456,SerialNumber=A55GH77,Port=Ethernet

**Meaning of the DriverP9 parameter:**

Filename root for .hdr, .cfg, .dat and .inf files. If empty, 'XMP12YMB\_DisturbanceRecord.Relayxxx.hdr', 'XMP12YMB\_DisturbanceRecord.Relayxxx.cfg', 'XMP12YMB\_DisturbanceRecord.Relayxxx.dat' and 'XMP12YMB\_DisturbanceRecord.Relayxxx.inf' will be used, where xxx is the protection unit address. Existing files with same name are overwritten.

**Values that are returned:**

Text in PointText (0) = Download status  
Text in PointText (1) = Record number  
Text in PointText (2) = Trigger position  
Text in PointText (3) = First sample time  
Text in PointText (4) = Trigger time  
Text in PointText (5) = Last sample time  
Text in PointText (6) = Total samples  
Text in PointText (7) = Samples per cycle  
Value in PointValue (0) = Number of channels downloaded  
Value in PointValue (1) = Record number  
Value in PointValue (2) = Number of triggers  
Value in PointValue (3) = System frequency (Hz)  
Value in PointValue (4) = Cycles per record  
Value in PointValue (5) = Available records  
Value in PointValue (6) = Number of analog channels  
Value in PointValue (7) = Number of digital channels

## Read Accessory Functions Part 1

**Description of this command:**

Requests the driver to Read Accessory Functions Part 1.

**Methods used to run this command:**

Analog Input (ReadNumericValues)

**Number of points accepted by this command:**

1-16

**Meaning of the DriverP0 parameter:**

Unit Address (1-255).

**Meaning of the DriverP1 parameter:**

0

**Meaning of the DriverP2 parameter:**

Not used.

**Meaning of the DriverP3 parameter:**

Indicates the format for returned dates:  
0 = Use English format (MM/DD/YYYY hh:mm:ss.000)  
1 = Use Spanish format (DD/MM/YYYY hh:mm:ss.000)

**Meaning of the DriverP4 parameter:**

Modbus protocol type, where:  
0 = RTU (for slave serial ports)  
1 = TCP (for slave ethernet ports)

**Meaning of the DriverP5 parameter:**

Number of retries reading each item, before discarding the whole communication.

**Meaning of the DriverP6 parameter:**

Not used.

**Meaning of the DriverP7 parameter:**

016b0:0023

CPKSoft Engineering

Industrial communication drivers.

[www.cpksoft.com](http://www.cpksoft.com)

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

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

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

phone: 54-911-45788354

1990-2013

# Industrial communication solutions for Windows

## Values that are returned:

Text in PointText (0) = Accessory functions SOTF running  
Text in PointText (1) = Accessory functions CB failure  
Text in PointText (2) = Accessory functions pole A opening  
Text in PointText (3) = Accessory functions pole B opening  
Text in PointText (4) = Accessory functions pole C opening  
Text in PointText (5) = Accessory functions broken conductor  
Text in PointText (6) = Accessory functions Aux 1 trip  
Text in PointText (7) = Accessory functions Aux 2 trip  
Text in PointText (8) = Accessory functions broken conductor time delay  
Text in PointText (9) = Accessory functions CB failure time delay  
Text in PointText (10) = Accessory functions cold load pick up temp started  
Text in PointText (11) = Accessory functions CB alarms  
Text in PointText (12) = Accessory functions Aux 3 trip  
Text in PointText (13) = Accessory functions Aux 4 trip  
Text in PointText (14) = Accessory functions Start SOTF  
Text in PointText (15) = Accessory functions Trip SOTF

## Read Accessory Functions Part 2

### Description of this command:

Requests the driver to Read Accessory Functions Part 2.

### Methods used to run this command:

Analog Input (ReadNumericValues)

### Number of points accepted by this command:

1-16

### Meaning of the DriverP0 parameter:

Unit Address (1-255).

### Meaning of the DriverP1 parameter:

0

### Meaning of the DriverP2 parameter:

Not used.

### Meaning of the DriverP3 parameter:

Indicates the format for returned dates:

0 = Use English format (MM/DD/YYYY hh:mm:ss.000)

1 = Use Spanish format (DD/MM/YYYY hh:mm:ss.000)

### Meaning of the DriverP4 parameter:

Modbus protocol type, where:

0 = RTU (for slave serial ports)

1 = TCP (for slave ethernet ports)

### Meaning of the DriverP5 parameter:

Number of retries reading each item, before discarding the whole communication.

### Meaning of the DriverP6 parameter:

Not used.

### Meaning of the DriverP7 parameter:

016b0:0022

## Values that are returned:

Text in PointText (0) = Accessory functions l>> Blocked  
Text in PointText (1) = Accessory functions l>>> Blocked  
Text in PointText (2) = Accessory functions VTS  
Text in PointText (3) = Accessory functions V2>  
Text in PointText (4) = Accessory functions V2>>  
Text in PointText (5) = Accessory functions P>  
Text in PointText (6) = Accessory functions tP>  
Text in PointText (7) = Accessory functions P>>  
Text in PointText (8) = Accessory functions tP>>  
Text in PointText (9) = Accessory functions lnrush blocking  
Text in PointText (10) = Accessory functions CTS  
Text in PointText (11) = Accessory functions P<  
Text in PointText (12) = Accessory functions tP<  
Text in PointText (13) = Accessory functions P<<  
Text in PointText (14) = Accessory functions tP<<  
Text in PointText (15) = Accessory functions CTS time delay

CPKSoft Engineering

Industrial communication drivers.

[www.cpksoft.com](http://www.cpksoft.com)

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

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

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

phone: 54-911-45788354

1990-2013

# Industrial communication solutions for Windows

## Read Accessory Functions Part 3

**Description of this command:**

Requests the driver to Read Accessory Functions Part 3.

**Methods used to run this command:**

Analog Input (ReadNumericValues)

**Number of points accepted by this command:**

1-16

**Meaning of the DriverP0 parameter:**

Unit Address (1-255).

**Meaning of the DriverP1 parameter:**

0

**Meaning of the DriverP2 parameter:**

Not used.

**Meaning of the DriverP3 parameter:**

Indicates the format for returned dates:

0 = Use English format (MM/DD/YYYY hh:mm:ss.000)

1 = Use Spanish format (DD/MM/YYYY hh:mm:ss.000)

**Meaning of the DriverP4 parameter:**

Modbus protocol type, where:

0 = RTU (for slave serial ports)

1 = TCP (for slave ethernet ports)

**Meaning of the DriverP5 parameter:**

Number of retries reading each item, before discarding the whole communication.

**Meaning of the DriverP6 parameter:**

Not used.

**Meaning of the DriverP7 parameter:**

016b0:002F

**Values that are returned:**

Text in PointText (0) = Accessory functions Aux 5 trip

Text in PointText (1) = Accessory functions Aux 6 trip

Text in PointText (2) = Accessory functions Aux 7 trip

Text in PointText (3) = Accessory functions Aux 8 trip

Text in PointText (4) = Accessory functions Aux 9 trip

Text in PointText (5) = Accessory functions Aux A trip

Text in PointText (6) = Accessory functions Aux B trip

Text in PointText (7) = Accessory functions Aux C trip

Text in PointText (8) = Accessory functions Q>

Text in PointText (9) = Accessory functions tQ>

Text in PointText (10) = Accessory functions Q>>

Text in PointText (11) = Accessory functions tQ>>

Text in PointText (12) = Accessory functions Q<

Text in PointText (13) = Accessory functions tQ<

Text in PointText (14) = Accessory functions Q<<

Text in PointText (15) = Accessory functions tQ<<

## Read Non Acknowledged Alarms Part 1

**Description of this command:**

Requests the driver to Read Non Acknowledged Alarms Part 1.

**Methods used to run this command:**

Analog Input (ReadNumericValues)

**Number of points accepted by this command:**

1-16

**Meaning of the DriverP0 parameter:**

Unit Address (1-255).

**Meaning of the DriverP1 parameter:**

0

**Meaning of the DriverP2 parameter:**

Not used.

**Meaning of the DriverP3 parameter:**

Indicates the format for returned dates:

0 = Use English format (MM/DD/YYYY hh:mm:ss.000)

# Industrial communication solutions for Windows

1 = Use Spanish format (DD/MM/YYYY hh:mm:ss.000)

**Meaning of the DriverP4 parameter:**

Modbus protocol type, where:

0 = RTU (for slave serial ports)

1 = TCP (for slave ethernet ports)

**Meaning of the DriverP5 parameter:**

Number of retries reading each item, before discarding the whole communication.

**Meaning of the DriverP6 parameter:**

Not used.

**Meaning of the DriverP7 parameter:**

016b0:0025

**Values that are returned:**

Text in PointText (0) = Alarm le>

Text in PointText (1) = Alarm tle>

Text in PointText (2) = Alarm le>>

Text in PointText (3) = Alarm tle>>

Text in PointText (4) = Alarm le>>>

Text in PointText (5) = Alarm tle>>>

Text in PointText (6) = Alarm tle>REV

Text in PointText (7) = Alarm tle>>REV

Text in PointText (8) = Alarm tle>>>REV

Text in PointText (9) = Alarm thermal alarm

Text in PointText (10) = Alarm thermal trip

Text in PointText (11) = Alarm broken conductor trip

Text in PointText (12) = Alarm breaker failure trip

Text in PointText (13) = Alarm le\_d>

Text in PointText (14) = Alarm AUX1 trip

Text in PointText (15) = Alarm AUX2 trip

## Read Non Acknowledged Alarms Part 2

**Description of this command:**

Requests the driver to Read Non Acknowledged Alarms Part 2.

**Methods used to run this command:**

Analog Input (ReadNumericValues)

**Number of points accepted by this command:**

1-16

**Meaning of the DriverP0 parameter:**

Unit Address (1-255).

**Meaning of the DriverP1 parameter:**

0

**Meaning of the DriverP2 parameter:**

Not used.

**Meaning of the DriverP3 parameter:**

Indicates the format for returned dates:

0 = Use English format (MM/DD/YYYY hh:mm:ss.000)

1 = Use Spanish format (DD/MM/YYYY hh:mm:ss.000)

**Meaning of the DriverP4 parameter:**

Modbus protocol type, where:

0 = RTU (for slave serial ports)

1 = TCP (for slave ethernet ports)

**Meaning of the DriverP5 parameter:**

Number of retries reading each item, before discarding the whole communication.

**Meaning of the DriverP6 parameter:**

Not used.

**Meaning of the DriverP7 parameter:**

016b0:0029

**Values that are returned:**

Text in PointText (0) = Alarm CB operating time overreach

Text in PointText (1) = Alarm CB operation number overreach

Text in PointText (2) = Alarm square Amps sum overreach

Text in PointText (3) = Alarm trip circuit supervision

Text in PointText (4) = Alarm CB closing time overreach

CPKSoft Engineering

Industrial communication  
drivers.

[www.cpksoft.com](http://www.cpksoft.com)

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

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

phone: 54-911-45788354

1990-2013

# Industrial communication solutions for Windows

Text in PointText (5) = Alarm t Boolean Equation A  
Text in PointText (6) = Alarm t Boolean Equation B  
Text in PointText (7) = Alarm t Boolean Equation C  
Text in PointText (8) = Alarm t Boolean Equation D  
Text in PointText (9) = Alarm Pe/Iecos>  
Text in PointText (10) = Alarm tPe/Iecos>  
Text in PointText (11) = Alarm Pe/Iecos>>  
Text in PointText (12) = Alarm tPe/Iecos>>  
Text in PointText (13) = Alarm I2>  
Text in PointText (14) = Alarm tI2>  
Text in PointText (15) = Alarm SOTF

## Read Non Acknowledged Alarms Part 3

### Description of this command:

Requests the driver to Read Non Acknowledged Alarms Part 3.

### Methods used to run this command:

Analog Input (ReadNumericValues)

### Number of points accepted by this command:

1-16

### Meaning of the DriverP0 parameter:

Unit Address (1-255).

### Meaning of the DriverP1 parameter:

0

### Meaning of the DriverP2 parameter:

Not used.

### Meaning of the DriverP3 parameter:

Indicates the format for returned dates:

0 = Use English format (MM/DD/YYYY hh:mm:ss.000)

1 = Use Spanish format (DD/MM/YYYY hh:mm:ss.000)

### Meaning of the DriverP4 parameter:

Modbus protocol type, where:

0 = RTU (for slave serial ports)

1 = TCP (for slave ethernet ports)

### Meaning of the DriverP5 parameter:

Number of retries reading each item, before discarding the whole communication.

### Meaning of the DriverP6 parameter:

Not used.

### Meaning of the DriverP7 parameter:

016b0:002A

### Values that are returned:

Text in PointText (0) = Alarm U<

Text in PointText (1) = Alarm tU<

Text in PointText (2) = Alarm U<<

Text in PointText (3) = Alarm tU<<

Text in PointText (4) = Alarm U>

Text in PointText (5) = Alarm tU>

Text in PointText (6) = Alarm U>>

Text in PointText (7) = Alarm tU>>

Text in PointText (8) = Alarm Ue>>>>

Text in PointText (9) = Alarm tUe>>>>

Text in PointText (10) = Alarm recloser internally locked

Text in PointText (11) = Alarm recloser successful

Text in PointText (12) = Alarm I2>>

Text in PointText (13) = Alarm tI2>>

Text in PointText (14) = Alarm I2>>>

Text in PointText (15) = Alarm tI2>>>

## Read Non Acknowledged Alarms Part 4

### Description of this command:

Requests the driver to Read Non Acknowledged Alarms Part 4.

CPKSoft Engineering

Industrial communication drivers.

[www.cpksoft.com](http://www.cpksoft.com)

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

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

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

phone: 54-911-45788354

1990-2013

# Industrial communication solutions for Windows

**Methods used to run this command:**

Analog Input (ReadNumericValues)

**Number of points accepted by this command:**

1-16

**Meaning of the DriverP0 parameter:**

Unit Address (1-255).

**Meaning of the DriverP1 parameter:**

0

**Meaning of the DriverP2 parameter:**

Not used.

**Meaning of the DriverP3 parameter:**

Indicates the format for returned dates:

0 = Use English format (MM/DD/YYYY hh:mm:ss.000)

1 = Use Spanish format (DD/MM/YYYY hh:mm:ss.000)

**Meaning of the DriverP4 parameter:**

Modbus protocol type, where:

0 = RTU (for slave serial ports)

1 = TCP (for slave ethernet ports)

**Meaning of the DriverP5 parameter:**

Number of retries reading each item, before discarding the whole communication.

**Meaning of the DriverP6 parameter:**

Not used.

**Meaning of the DriverP7 parameter:**

016b0:002B

**Values that are returned:**

Text in PointText (0) = Alarm AUX3 trip

Text in PointText (1) = Alarm AUX4 trip

Text in PointText (2) = Alarm l>

Text in PointText (3) = Alarm tl>

Text in PointText (4) = Alarm l>>

Text in PointText (5) = Alarm tl>>

Text in PointText (6) = Alarm l>>>

Text in PointText (7) = Alarm tl>>>

Text in PointText (8) = Alarm l<

Text in PointText (9) = Alarm tl<

Text in PointText (10) = Alarm VTS

Text in PointText (11) = Alarm P>

Text in PointText (12) = Alarm tP>

Text in PointText (13) = Alarm P>>

Text in PointText (14) = Alarm tP>>

Text in PointText (15) = Alarm tle\_d>

## Read Non Acknowledged Alarms Part 5

**Description of this command:**

Requests the driver to Read Non Acknowledged Alarms Part 5.

**Methods used to run this command:**

Analog Input (ReadNumericValues)

**Number of points accepted by this command:**

1-16

**Meaning of the DriverP0 parameter:**

Unit Address (1-255).

**Meaning of the DriverP1 parameter:**

0

**Meaning of the DriverP2 parameter:**

Not used.

**Meaning of the DriverP3 parameter:**

Indicates the format for returned dates:

0 = Use English format (MM/DD/YYYY hh:mm:ss.000)

1 = Use Spanish format (DD/MM/YYYY hh:mm:ss.000)

**Meaning of the DriverP4 parameter:**

Modbus protocol type, where:

0 = RTU (for slave serial ports)

CPKSoft Engineering

Industrial communication  
drivers.

[www.cpksoft.com](http://www.cpksoft.com)

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

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

phone: 54-911-45788354

1990-2013

# Industrial communication solutions for Windows

1 = TCP (for slave ethernet ports)

**Meaning of the DriverP5 parameter:**

Number of retries reading each item, before discarding the whole communication.

**Meaning of the DriverP6 parameter:**

Not used.

**Meaning of the DriverP7 parameter:**

016b0:002C

**Values that are returned:**

Text in PointText (0) = Alarm f1  
Text in PointText (1) = Alarm tf1  
Text in PointText (2) = Alarm f2  
Text in PointText (3) = Alarm tf2  
Text in PointText (4) = Alarm f3  
Text in PointText (5) = Alarm tf3  
Text in PointText (6) = Alarm f4  
Text in PointText (7) = Alarm tf4  
Text in PointText (8) = Alarm f5  
Text in PointText (9) = Alarm tf5  
Text in PointText (10) = Alarm f6  
Text in PointText (11) = Alarm tf6  
Text in PointText (12) = Alarm t Boolean Equation E  
Text in PointText (13) = Alarm t Boolean Equation F  
Text in PointText (14) = Alarm t Boolean Equation G  
Text in PointText (15) = Alarm t Boolean Equation H

## Read Non Acknowledged Alarms Part 6

**Description of this command:**

Requests the driver to Read Non Acknowledged Alarms Part 6.

**Methods used to run this command:**

Analog Input (ReadNumericValues)

**Number of points accepted by this command:**

1-16

**Meaning of the DriverP0 parameter:**

Unit Address (1-255).

**Meaning of the DriverP1 parameter:**

0

**Meaning of the DriverP2 parameter:**

Not used.

**Meaning of the DriverP3 parameter:**

Indicates the format for returned dates:  
0 = Use English format (MM/DD/YYYY hh:mm:ss.000)  
1 = Use Spanish format (DD/MM/YYYY hh:mm:ss.000)

**Meaning of the DriverP4 parameter:**

Modbus protocol type, where:  
0 = RTU (for slave serial ports)  
1 = TCP (for slave ethernet ports)

**Meaning of the DriverP5 parameter:**

Number of retries reading each item, before discarding the whole communication.

**Meaning of the DriverP6 parameter:**

Not used.

**Meaning of the DriverP7 parameter:**

016b0:002D

**Values that are returned:**

Text in PointText (0) = Alarm AUX5 trip  
Text in PointText (1) = Alarm AUX6 trip  
Text in PointText (2) = Alarm AUX7 trip  
Text in PointText (3) = Alarm AUX8 trip  
Text in PointText (4) = Alarm AUX9 trip  
Text in PointText (5) = Alarm AUXA trip  
Text in PointText (6) = Alarm AUXB trip  
Text in PointText (7) = Alarm AUXC trip  
Text in PointText (8) = Alarm P<

CPKSoft Engineering

Industrial communication drivers.

[www.cpksoft.com](http://www.cpksoft.com)

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

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

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

phone: 54-911-45788354

1990-2013

# Industrial communication solutions for Windows

Text in PointText (9) = Alarm tP<  
Text in PointText (10) = Alarm P<<  
Text in PointText (11) = Alarm tP<<  
Text in PointText (12) = Alarm Q>  
Text in PointText (13) = Alarm tQ>  
Text in PointText (14) = Alarm Q>>  
Text in PointText (15) = Alarm tQ>>

## Read Circuit Breaker Status

### **Description of this command:**

Requests the driver to Read Circuit Breaker Status.

### **Methods used to run this command:**

Analog Input (ReadNumericValues)

### **Number of points accepted by this command:**

1-15

### **Meaning of the DriverP0 parameter:**

Unit Address (1-255).

### **Meaning of the DriverP1 parameter:**

0

### **Meaning of the DriverP2 parameter:**

Not used.

### **Meaning of the DriverP3 parameter:**

Indicates the format for returned dates:

0 = Use English format (MM/DD/YYYY hh:mm:ss.000)

1 = Use Spanish format (DD/MM/YYYY hh:mm:ss.000)

### **Meaning of the DriverP4 parameter:**

Modbus protocol type, where:

0 = RTU (for slave serial ports)

1 = TCP (for slave ethernet ports)

### **Meaning of the DriverP5 parameter:**

Number of retries reading each item, before discarding the whole communication.

### **Meaning of the DriverP6 parameter:**

Not used.

### **Meaning of the DriverP7 parameter:**

015b0:0028

### **Values that are returned:**

Text in PointText (0) = CB operating time overreach

Text in PointText (1) = CB operation number overreach

Text in PointText (2) = CB square Amps sum overreach

Text in PointText (3) = CB trip circuit supervision

Text in PointText (4) = CB closing time overreach

Text in PointText (5) = CB recloser internally locked

Text in PointText (6) = CB recloser successful

Text in PointText (7) = CB recloser in progress

Text in PointText (8) = CB closing command issued from recloser cycle

Text in PointText (9) = CB recloser configuration error

Text in PointText (10) = CB recloser in service

Text in PointText (11) = CB recloser final trip

Text in PointText (12) = CB operations number/time overreach

Text in PointText (13) = CB recloser external locked

Text in PointText (14) = CB recloser reinitialized

## Read Digital Inputs State Part 1

### **Description of this command:**

Requests the driver to Read Digital Inputs State Part 1.

### **Methods used to run this command:**

Analog Input (ReadNumericValues)

### **Number of points accepted by this command:**

1-16

### **Meaning of the DriverP0 parameter:**

Unit Address (1-255).



# Industrial communication solutions for Windows

**Meaning of the DriverP1 parameter:**

0

**Meaning of the DriverP2 parameter:**

Not used.

**Meaning of the DriverP3 parameter:**

Indicates the format for returned dates:

0 = Use English format (MM/DD/YYYY hh:mm:ss.000)

1 = Use Spanish format (DD/MM/YYYY hh:mm:ss.000)

**Meaning of the DriverP4 parameter:**

Modbus protocol type, where:

0 = RTU (for slave serial ports)

1 = TCP (for slave ethernet ports)

**Meaning of the DriverP5 parameter:**

Number of retries reading each item, before discarding the whole communication.

**Meaning of the DriverP6 parameter:**

Not used.

**Meaning of the DriverP7 parameter:**

016b0:0011

**Values that are returned:**

Text in PointText (0) = Digital inputs state logic selection 1

Text in PointText (1) = Digital inputs state logic selection 2

Text in PointText (2) = Digital inputs state relays de-latching

Text in PointText (3) = Digital inputs state CB position (52a)

Text in PointText (4) = Digital inputs state CB position (52b)

Text in PointText (5) = Digital inputs state external CB failure

Text in PointText (6) = Digital inputs state aux 1

Text in PointText (7) = Digital inputs state aux 2

Text in PointText (8) = Digital inputs state blocking logic 1

Text in PointText (9) = Digital inputs state blocking logic 2

Text in PointText (10) = Digital inputs state disturbance recording start

Text in PointText (11) = Digital inputs state cold load start

Text in PointText (12) = Digital inputs state settings group change

Text in PointText (13) = Digital inputs state recloser locked

Text in PointText (14) = Digital inputs state thermal status reset

Text in PointText (15) = Digital inputs state trip circuit supervision

## Read Digital Inputs State Part 2

**Description of this command:**

Requests the driver to Read Digital Inputs State Part 2.

**Methods used to run this command:**

Analog Input (ReadNumericValues)

**Number of points accepted by this command:**

1-16

**Meaning of the DriverP0 parameter:**

Unit Address (1-255).

**Meaning of the DriverP1 parameter:**

0

**Meaning of the DriverP2 parameter:**

Not used.

**Meaning of the DriverP3 parameter:**

Indicates the format for returned dates:

0 = Use English format (MM/DD/YYYY hh:mm:ss.000)

1 = Use Spanish format (DD/MM/YYYY hh:mm:ss.000)

**Meaning of the DriverP4 parameter:**

Modbus protocol type, where:

0 = RTU (for slave serial ports)

1 = TCP (for slave ethernet ports)

**Meaning of the DriverP5 parameter:**

Number of retries reading each item, before discarding the whole communication.

**Meaning of the DriverP6 parameter:**

Not used.

CPKSoft Engineering

Industrial communication drivers.

[www.cpksoft.com](http://www.cpksoft.com)

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

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

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

phone: 54-911-45788354

1990-2013

# Industrial communication solutions for Windows

## Meaning of the DriverP7 parameter:

016b0:000D

## Values that are returned:

Text in PointText (0) = Digital inputs state start Breaker Failure timer  
Text in PointText (1) = Digital inputs state maintenance mode  
Text in PointText (2) = Digital inputs state aux 3  
Text in PointText (3) = Digital inputs state aux 4  
Text in PointText (4) = Digital inputs state Reserved  
Text in PointText (5) = Digital inputs state Manual close  
Text in PointText (6) = Digital inputs state Local mode  
Text in PointText (7) = Digital inputs state Synchro  
Text in PointText (8) = Digital inputs state aux 5  
Text in PointText (9) = Digital inputs state aux 6  
Text in PointText (10) = Digital inputs state aux 7  
Text in PointText (11) = Digital inputs state aux 8  
Text in PointText (12) = Digital inputs state aux 9  
Text in PointText (13) = Digital inputs state aux A  
Text in PointText (14) = Digital inputs state aux B  
Text in PointText (15) = Digital inputs state aux C

## Read Group Selected

### Description of this command:

Requests the driver to Read Group Selected.

### Methods used to run this command:

Analog Input (ReadNumericValues)

### Number of points accepted by this command:

1

### Meaning of the DriverP0 parameter:

Unit Address (1-255).

### Meaning of the DriverP1 parameter:

0

### Meaning of the DriverP2 parameter:

Not used.

### Meaning of the DriverP3 parameter:

Indicates the format for returned dates:

0 = Use English format (MM/DD/YYYY hh:mm:ss.000)

1 = Use Spanish format (DD/MM/YYYY hh:mm:ss.000)

### Meaning of the DriverP4 parameter:

Modbus protocol type, where:

0 = RTU (for slave serial ports)

1 = TCP (for slave ethernet ports)

### Meaning of the DriverP5 parameter:

Number of retries reading each item, before discarding the whole communication.

### Meaning of the DriverP6 parameter:

Not used.

### Meaning of the DriverP7 parameter:

001u0:0135

### Values that are returned:

Text in PointText (0) = Group selected

## Read HW Alarms

### Description of this command:

Requests the driver to Read HW Alarms.

### Methods used to run this command:

Analog Input (ReadNumericValues)

### Number of points accepted by this command:

1-13

### Meaning of the DriverP0 parameter:

Unit Address (1-255).

### Meaning of the DriverP1 parameter:

0

## CPKSoft Engineering

Industrial communication drivers.

[www.cpksoft.com](http://www.cpksoft.com)

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

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

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

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

phone: 54-911-45788354

1990-2013

# Industrial communication solutions for Windows

**Meaning of the DriverP2 parameter:**

Not used.

**Meaning of the DriverP3 parameter:**

Indicates the format for returned dates:

0 = Use English format (MM/DD/YYYY hh:mm:ss.000)

1 = Use Spanish format (DD/MM/YYYY hh:mm:ss.000)

**Meaning of the DriverP4 parameter:**

Modbus protocol type, where:

0 = RTU (for slave serial ports)

1 = TCP (for slave ethernet ports)

**Meaning of the DriverP5 parameter:**

Number of retries reading each item, before discarding the whole communication.

**Meaning of the DriverP6 parameter:**

Not used.

**Meaning of the DriverP7 parameter:**

013b0:000F

**Values that are returned:**

Text in PointText (0) = HW alarm Watch-Dog operating

Text in PointText (1) = HW alarm communication failure

Text in PointText (2) = HW alarm data failure

Text in PointText (3) = HW alarm analogue failure

Text in PointText (4) = HW alarm datation failure

Text in PointText (5) = HW alarm calibration failure

Text in PointText (6) = HW alarm record data failure

Text in PointText (7) = HW alarm Reserved 1

Text in PointText (8) = HW alarm Reserved 2

Text in PointText (9) = HW alarm factory alarm

Text in PointText (10) = HW alarm main power supply

Text in PointText (11) = HW alarm auxilliary power supplies

Text in PointText (12) = HW alarm transformers offset failure

## Read LED Status

**Description of this command:**

Requests the driver to Read LED Status.

**Methods used to run this command:**

Analog Input (ReadNumericValues)

**Number of points accepted by this command:**

1-8

**Meaning of the DriverP0 parameter:**

Unit Address (1-255).

**Meaning of the DriverP1 parameter:**

0

**Meaning of the DriverP2 parameter:**

Not used.

**Meaning of the DriverP3 parameter:**

Indicates the format for returned dates:

0 = Use English format (MM/DD/YYYY hh:mm:ss.000)

1 = Use Spanish format (DD/MM/YYYY hh:mm:ss.000)

**Meaning of the DriverP4 parameter:**

Modbus protocol type, where:

0 = RTU (for slave serial ports)

1 = TCP (for slave ethernet ports)

**Meaning of the DriverP5 parameter:**

Number of retries reading each item, before discarding the whole communication.

**Meaning of the DriverP6 parameter:**

Not used.

**Meaning of the DriverP7 parameter:**

008b0:000C

**Values that are returned:**

Text in PointText (0) = LED 1 status (TRIP)

Text in PointText (1) = LED 2 status (ALARM)

Text in PointText (2) = LED 3 status (WARNING)

CPKSoft Engineering

Industrial communication  
drivers.

[www.cpksoft.com](http://www.cpksoft.com)

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

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

phone: 54-911-45788354

1990-2013

# Industrial communication solutions for Windows

Text in PointText (3) = LED 4 status (HEALTHY)  
Text in PointText (4) = LED 5 status  
Text in PointText (5) = LED 6 status  
Text in PointText (6) = LED 7 status  
Text in PointText (7) = LED 8 status

## Read LED Parts

**Description of this command:**

Requests the driver to Read LED Parts.

**Methods used to run this command:**

Analog Input (ReadNumericValues)

**Number of points accepted by this command:**

1-12

**Meaning of the DriverP0 parameter:**

Unit Address (1-255).

**Meaning of the DriverP1 parameter:**

0

**Meaning of the DriverP2 parameter:**

Not used.

**Meaning of the DriverP3 parameter:**

Indicates the format for returned dates:

0 = Use English format (MM/DD/YYYY hh:mm:ss.000)

1 = Use Spanish format (DD/MM/YYYY hh:mm:ss.000)

**Meaning of the DriverP4 parameter:**

Modbus protocol type, where:

0 = RTU (for slave serial ports)

1 = TCP (for slave ethernet ports)

**Meaning of the DriverP5 parameter:**

Number of retries reading each item, before discarding the whole communication.

**Meaning of the DriverP6 parameter:**

Not used.

**Meaning of the DriverP7 parameter:**

001@0:0136,001@0:013A,001@0:013E,001@0:0137,001@0:013B,001@0:013F,001@0:0138,00

1@0:013C,001@0:0140,001@0:0139,001@0:013D,001@0:0141

**Values that are returned:**

Text in PointText (0) = LED 5 part 1

Text in PointText (1) = LED 5 part 2

Text in PointText (2) = LED 5 part 3

Text in PointText (3) = LED 6 part 1

Text in PointText (4) = LED 6 part 2

Text in PointText (5) = LED 6 part 3

Text in PointText (6) = LED 7 part 1

Text in PointText (7) = LED 7 part 2

Text in PointText (8) = LED 7 part 3

Text in PointText (9) = LED 8 part 1

Text in PointText (10) = LED 8 part 2

Text in PointText (11) = LED 8 part 3

## Read Miscellaneous Information 1

**Description of this command:**

Requests the driver to Read Miscellaneous Information 1.

**Methods used to run this command:**

Analog Input (ReadNumericValues)

**Number of points accepted by this command:**

1-2

**Meaning of the DriverP0 parameter:**

Unit Address (1-255).

**Meaning of the DriverP1 parameter:**

0

**Meaning of the DriverP2 parameter:**

Not used.

CPKSoft Engineering

Industrial communication  
drivers.

[www.cpksoft.com](http://www.cpksoft.com)

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

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

phone: 54-911-45788354

1990-2013

# Industrial communication solutions for Windows

**Meaning of the DriverP3 parameter:**

Indicates the format for returned dates:

0 = Use English format (MM/DD/YYYY hh:mm:ss.000)

1 = Use Spanish format (DD/MM/YYYY hh:mm:ss.000)

**Meaning of the DriverP4 parameter:**

Modbus protocol type, where:

0 = RTU (for slave serial ports)

1 = TCP (for slave ethernet ports)

**Meaning of the DriverP5 parameter:**

Number of retries reading each item, before discarding the whole communication.

**Meaning of the DriverP6 parameter:**

Not used.

**Meaning of the DriverP7 parameter:**

001u0:0026,001@0:000E

**Values that are returned:**

Text in PointText (0) = Number of available disturbance records

Text in PointText (1) = Password status

## Read Protection 37 Information

**Description of this command:**

Requests the driver to Read Protection 37 Information.

**Methods used to run this command:**

Analog Input (ReadNumericValues)

**Number of points accepted by this command:**

1-8

**Meaning of the DriverP0 parameter:**

Unit Address (1-255).

**Meaning of the DriverP1 parameter:**

0

**Meaning of the DriverP2 parameter:**

Not used.

**Meaning of the DriverP3 parameter:**

Indicates the format for returned dates:

0 = Use English format (MM/DD/YYYY hh:mm:ss.000)

1 = Use Spanish format (DD/MM/YYYY hh:mm:ss.000)

**Meaning of the DriverP4 parameter:**

Modbus protocol type, where:

0 = RTU (for slave serial ports)

1 = TCP (for slave ethernet ports)

**Meaning of the DriverP5 parameter:**

Number of retries reading each item, before discarding the whole communication.

**Meaning of the DriverP6 parameter:**

Not used.

**Meaning of the DriverP7 parameter:**

008b0:0021

**Values that are returned:**

Text in PointText (0) = Protection 37 l< info limit exceeding

Text in PointText (1) = Protection 37 l< phase A (or AB) trip

Text in PointText (2) = Protection 37 l< phase B (or BC) trip

Text in PointText (3) = Protection 37 l< phase C (or CA) trip

Text in PointText (4) = Protection 37 l< l> Interlock activated

Text in PointText (5) = Protection 37 l< info start

Text in PointText (6) = Protection 37 l< info tripping

Text in PointText (7) = Protection 37 l< info tripping reverse mode

## Read Protection 49 Information

**Description of this command:**

Requests the driver to Read Protection 49 Information.

**Methods used to run this command:**

Analog Input (ReadNumericValues)

CPKSoft Engineering

Industrial communication  
drivers.

[www.cpksoft.com](http://www.cpksoft.com)

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

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

phone: 54-911-45788354

1990-2013

# Industrial communication solutions for Windows

**Number of points accepted by this command:**

1-2

**Meaning of the DriverP0 parameter:**

Unit Address (1-255).

**Meaning of the DriverP1 parameter:**

0

**Meaning of the DriverP2 parameter:**

Not used.

**Meaning of the DriverP3 parameter:**

Indicates the format for returned dates:

0 = Use English format (MM/DD/YYYY hh:mm:ss.000)

1 = Use Spanish format (DD/MM/YYYY hh:mm:ss.000)

**Meaning of the DriverP4 parameter:**

Modbus protocol type, where:

0 = RTU (for slave serial ports)

1 = TCP (for slave ethernet ports)

**Meaning of the DriverP5 parameter:**

Number of retries reading each item, before discarding the whole communication.

**Meaning of the DriverP6 parameter:**

Not used.

**Meaning of the DriverP7 parameter:**

002b0:0020

**Values that are returned:**

Text in PointText (0) = Protection 49 thermal overload alarm

Text in PointText (1) = Protection 49 thermal overload trip

## Read Protection 67 Information Part 1

**Description of this command:**

Requests the driver to Read Protection 67 Information Part 1.

**Methods used to run this command:**

Analog Input (ReadNumericValues)

**Number of points accepted by this command:**

1-8

**Meaning of the DriverP0 parameter:**

Unit Address (1-255).

**Meaning of the DriverP1 parameter:**

0

**Meaning of the DriverP2 parameter:**

Not used.

**Meaning of the DriverP3 parameter:**

Indicates the format for returned dates:

0 = Use English format (MM/DD/YYYY hh:mm:ss.000)

1 = Use Spanish format (DD/MM/YYYY hh:mm:ss.000)

**Meaning of the DriverP4 parameter:**

Modbus protocol type, where:

0 = RTU (for slave serial ports)

1 = TCP (for slave ethernet ports)

**Meaning of the DriverP5 parameter:**

Number of retries reading each item, before discarding the whole communication.

**Meaning of the DriverP6 parameter:**

Not used.

**Meaning of the DriverP7 parameter:**

008b0:0014

**Values that are returned:**

Text in PointText (0) = Protection 67 l> info limit exceeding

Text in PointText (1) = Protection 67 l> phase A (or AB) trip

Text in PointText (2) = Protection 67 l> phase B (or BC) trip

Text in PointText (3) = Protection 67 l> phase C (or CA) trip

Text in PointText (4) = Protection 67 l> Interlock activated

Text in PointText (5) = Protection 67 l> info start

Text in PointText (6) = Protection 67 l> info tripping

Text in PointText (7) = Protection 67 l> info tripping reverse mode

CPKSoft Engineering

Industrial communication  
drivers.

[www.cpksoft.com](http://www.cpksoft.com)

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

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

phone: 54-911-45788354

1990-2013

# Industrial communication solutions for Windows

## Read Protection 67 Information Part 2

**Description of this command:**

Requests the driver to Read Protection 67 Information Part 2.

**Methods used to run this command:**

Analog Input (ReadNumericValues)

**Number of points accepted by this command:**

1-8

**Meaning of the DriverP0 parameter:**

Unit Address (1-255).

**Meaning of the DriverP1 parameter:**

0

**Meaning of the DriverP2 parameter:**

Not used.

**Meaning of the DriverP3 parameter:**

Indicates the format for returned dates:

0 = Use English format (MM/DD/YYYY hh:mm:ss.000)

1 = Use Spanish format (DD/MM/YYYY hh:mm:ss.000)

**Meaning of the DriverP4 parameter:**

Modbus protocol type, where:

0 = RTU (for slave serial ports)

1 = TCP (for slave ethernet ports)

**Meaning of the DriverP5 parameter:**

Number of retries reading each item, before discarding the whole communication.

**Meaning of the DriverP6 parameter:**

Not used.

**Meaning of the DriverP7 parameter:**

008b0:0015

**Values that are returned:**

Text in PointText (0) = Protection 67 l>> info limit exceeding

Text in PointText (1) = Protection 67 l>> phase A (or AB) trip

Text in PointText (2) = Protection 67 l>> phase B (or BC) trip

Text in PointText (3) = Protection 67 l>> phase C (or CA) trip

Text in PointText (4) = Protection 67 l>> Interlock activated

Text in PointText (5) = Protection 67 l>> info start

Text in PointText (6) = Protection 67 l>> info tripping

Text in PointText (7) = Protection 67 l>> info tripping reverse mode

## Read Protection 67 Information Part 3

**Description of this command:**

Requests the driver to Read Protection 67 Information Part 3.

**Methods used to run this command:**

Analog Input (ReadNumericValues)

**Number of points accepted by this command:**

1-8

**Meaning of the DriverP0 parameter:**

Unit Address (1-255).

**Meaning of the DriverP1 parameter:**

0

**Meaning of the DriverP2 parameter:**

Not used.

**Meaning of the DriverP3 parameter:**

Indicates the format for returned dates:

0 = Use English format (MM/DD/YYYY hh:mm:ss.000)

1 = Use Spanish format (DD/MM/YYYY hh:mm:ss.000)

**Meaning of the DriverP4 parameter:**

Modbus protocol type, where:

0 = RTU (for slave serial ports)

1 = TCP (for slave ethernet ports)

**Meaning of the DriverP5 parameter:**

Number of retries reading each item, before discarding the whole communication.

CPKSoft Engineering

Industrial communication  
drivers.

[www.cpksoft.com](http://www.cpksoft.com)

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

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

phone: 54-911-45788354

1990-2013

# Industrial communication solutions for Windows

**Meaning of the DriverP6 parameter:**

Not used.

**Meaning of the DriverP7 parameter:**

008b0:0016

**Values that are returned:**

Text in PointText (0) = Protection 67 l>>> info limit exceeding  
Text in PointText (1) = Protection 67 l>>> phase A (or AB) trip  
Text in PointText (2) = Protection 67 l>>> phase B (or BC) trip  
Text in PointText (3) = Protection 67 l>>> phase C (or CA) trip  
Text in PointText (4) = Protection 67 l>>> Interlock activated  
Text in PointText (5) = Protection 67 l>>> info start  
Text in PointText (6) = Protection 67 l>>> info tripping  
Text in PointText (7) = Protection 67 l>>> info tripping reverse mode

## Read Protection 67n Information Part 1

**Description of this command:**

Requests the driver to Read Protection 67n Information Part 1.

**Methods used to run this command:**

Analog Input (ReadNumericValues)

**Number of points accepted by this command:**

1-8

**Meaning of the DriverP0 parameter:**

Unit Address (1-255).

**Meaning of the DriverP1 parameter:**

0

**Meaning of the DriverP2 parameter:**

Not used.

**Meaning of the DriverP3 parameter:**

Indicates the format for returned dates:  
0 = Use English format (MM/DD/YYYY hh:mm:ss.000)  
1 = Use Spanish format (DD/MM/YYYY hh:mm:ss.000)

**Meaning of the DriverP4 parameter:**

Modbus protocol type, where:  
0 = RTU (for slave serial ports)  
1 = TCP (for slave ethernet ports)

**Meaning of the DriverP5 parameter:**

Number of retries reading each item, before discarding the whole communication.

**Meaning of the DriverP6 parameter:**

Not used.

**Meaning of the DriverP7 parameter:**

008b0:0017

**Values that are returned:**

Text in PointText (0) = Protection 67n le> info limit exceeding  
Text in PointText (1) = Protection 67n le> reserved 1  
Text in PointText (2) = Protection 67n le> reserved 2  
Text in PointText (3) = Protection 67n le> reserved 3  
Text in PointText (4) = Protection 67n le> Interlock activated  
Text in PointText (5) = Protection 67n le> info start  
Text in PointText (6) = Protection 67n le> info tripping  
Text in PointText (7) = Protection 67n le> info tripping reverse mode

## Read Protection 67n Information Part 2

**Description of this command:**

Requests the driver to Read Protection 67n Information Part 2.

**Methods used to run this command:**

Analog Input (ReadNumericValues)

**Number of points accepted by this command:**

1-8

**Meaning of the DriverP0 parameter:**

Unit Address (1-255).

CPKSoft Engineering

Industrial communication drivers.

[www.cpksoft.com](http://www.cpksoft.com)

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

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

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

hotmail.com

phone: 54-911-45788354

1990-2013



# Industrial communication solutions for Windows

**Meaning of the DriverP1 parameter:**

0

**Meaning of the DriverP2 parameter:**

Not used.

**Meaning of the DriverP3 parameter:**

Indicates the format for returned dates:

0 = Use English format (MM/DD/YYYY hh:mm:ss.000)

1 = Use Spanish format (DD/MM/YYYY hh:mm:ss.000)

**Meaning of the DriverP4 parameter:**

Modbus protocol type, where:

0 = RTU (for slave serial ports)

1 = TCP (for slave ethernet ports)

**Meaning of the DriverP5 parameter:**

Number of retries reading each item, before discarding the whole communication.

**Meaning of the DriverP6 parameter:**

Not used.

**Meaning of the DriverP7 parameter:**

008b0:0018

**Values that are returned:**

Text in PointText (0) = Protection 67n le>> info limit exceeding

Text in PointText (1) = Protection 67n le>> reserved 1

Text in PointText (2) = Protection 67n le>> reserved 2

Text in PointText (3) = Protection 67n le>> reserved 3

Text in PointText (4) = Protection 67n le>> Interlock activated

Text in PointText (5) = Protection 67n le>> info start

Text in PointText (6) = Protection 67n le>> info tripping

Text in PointText (7) = Protection 67n le>> info tripping reverse mode

## Read Protection 67n Information Part 3

**Description of this command:**

Requests the driver to Read Protection 67n Information Part 3.

**Methods used to run this command:**

Analog Input (ReadNumericValues)

**Number of points accepted by this command:**

1-8

**Meaning of the DriverP0 parameter:**

Unit Address (1-255).

**Meaning of the DriverP1 parameter:**

0

**Meaning of the DriverP2 parameter:**

Not used.

**Meaning of the DriverP3 parameter:**

Indicates the format for returned dates:

0 = Use English format (MM/DD/YYYY hh:mm:ss.000)

1 = Use Spanish format (DD/MM/YYYY hh:mm:ss.000)

**Meaning of the DriverP4 parameter:**

Modbus protocol type, where:

0 = RTU (for slave serial ports)

1 = TCP (for slave ethernet ports)

**Meaning of the DriverP5 parameter:**

Number of retries reading each item, before discarding the whole communication.

**Meaning of the DriverP6 parameter:**

Not used.

**Meaning of the DriverP7 parameter:**

008b0:0019

**Values that are returned:**

Text in PointText (0) = Protection 67n le>>> info limit exceeding

Text in PointText (1) = Protection 67n le>>> reserved 1

Text in PointText (2) = Protection 67n le>>> reserved 2

Text in PointText (3) = Protection 67n le>>> reserved 3

Text in PointText (4) = Protection 67n le>>> Interlock activated

Text in PointText (5) = Protection 67n le>>> info start

CPKSoft Engineering

Industrial communication  
drivers.

[www.cpksoft.com](http://www.cpksoft.com)

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

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

phone: 54-911-45788354

1990-2013

# Industrial communication solutions for Windows

Text in PointText (6) = Protection 67n le>>> info tripping  
Text in PointText (7) = Protection 67n le>>> info tripping reverse mode

## Read Relays Latch Configuration and Status

### Description of this command:

Requests the driver to Read Relays Latch Configuration and Status.

### Methods used to run this command:

Analog Input (ReadNumericValues)

### Number of points accepted by this command:

1-8

### Meaning of the DriverP0 parameter:

Unit Address (1-255).

### Meaning of the DriverP1 parameter:

0

### Meaning of the DriverP2 parameter:

Not used.

### Meaning of the DriverP3 parameter:

Indicates the format for returned dates:

0 = Use English format (MM/DD/YYYY hh:mm:ss.000)

1 = Use Spanish format (DD/MM/YYYY hh:mm:ss.000)

### Meaning of the DriverP4 parameter:

Modbus protocol type, where:

0 = RTU (for slave serial ports)

1 = TCP (for slave ethernet ports)

### Meaning of the DriverP5 parameter:

Number of retries reading each item, before discarding the whole communication.

### Meaning of the DriverP6 parameter:

Not used.

### Meaning of the DriverP7 parameter:

008b0:002E

### Values that are returned:

Text in PointText (0) = Relay number 1 (RL1)

Text in PointText (1) = Relay number 2 (RL2)

Text in PointText (2) = Relay number 3 (RL3)

Text in PointText (3) = Relay number 4 (RL4)

Text in PointText (4) = Relay number 5 (RL5)

Text in PointText (5) = Relay number 6 (RL6)

Text in PointText (6) = Relay number 7 (RL7)

Text in PointText (7) = Relay number 8 (RL8)

## Read Miscellaneous Information 2

### Description of this command:

Requests the driver to Read Miscellaneous Information 2.

### Methods used to run this command:

Analog Input (ReadNumericValues)

### Number of points accepted by this command:

1-3

### Meaning of the DriverP0 parameter:

Unit Address (1-255).

### Meaning of the DriverP1 parameter:

0

### Meaning of the DriverP2 parameter:

Not used.

### Meaning of the DriverP3 parameter:

Indicates the format for returned dates:

0 = Use English format (MM/DD/YYYY hh:mm:ss.000)

1 = Use Spanish format (DD/MM/YYYY hh:mm:ss.000)

### Meaning of the DriverP4 parameter:

Modbus protocol type, where:

0 = RTU (for slave serial ports)

1 = TCP (for slave ethernet ports)

CPKSoft Engineering

Industrial communication  
drivers.

[www.cpksoft.com](http://www.cpksoft.com)

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

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

phone: 54-911-45788354

1990-2013

# Industrial communication solutions for Windows

**Meaning of the DriverP5 parameter:**

Number of retries reading each item, before discarding the whole communication.

**Meaning of the DriverP6 parameter:**

Not used.

**Meaning of the DriverP7 parameter:**

001@0:0027,001b0:0012,001u0:003D

**Values that are returned:**

Text in PointText (0) = Starting origin of the trip relay

Text in PointText (1) = RL1 trip relay status

Text in PointText (2) = Thermal Status (%)

## Read Serial Number

**Description of this command:**

Requests the driver to Read Serial Number.

**Methods used to run this command:**

Analog Input (ReadNumericValues)

**Number of points accepted by this command:**

1

**Meaning of the DriverP0 parameter:**

Unit Address (1-255).

**Meaning of the DriverP1 parameter:**

0

**Meaning of the DriverP2 parameter:**

Not used.

**Meaning of the DriverP3 parameter:**

Indicates the format for returned dates:

0 = Use English format (MM/DD/YYYY hh:mm:ss.000)

1 = Use Spanish format (DD/MM/YYYY hh:mm:ss.000)

**Meaning of the DriverP4 parameter:**

Modbus protocol type, where:

0 = RTU (for slave serial ports)

1 = TCP (for slave ethernet ports)

**Meaning of the DriverP5 parameter:**

Number of retries reading each item, before discarding the whole communication.

**Meaning of the DriverP6 parameter:**

Not used.

**Meaning of the DriverP7 parameter:**

001s2:010A

**Values that are returned:**

Text in PointText (0) = UserReference

## Read Identification Information

**Description of this command:**

Requests the driver to Read Identification Information.

**Methods used to run this command:**

Analog Input (ReadNumericValues)

**Number of points accepted by this command:**

1-12

**Meaning of the DriverP0 parameter:**

Unit Address (1-255).

**Meaning of the DriverP1 parameter:**

0

**Meaning of the DriverP2 parameter:**

Not used.

**Meaning of the DriverP3 parameter:**

Indicates the format for returned dates:

0 = Use English format (MM/DD/YYYY hh:mm:ss.000)

1 = Use Spanish format (DD/MM/YYYY hh:mm:ss.000)

**Meaning of the DriverP4 parameter:**

Modbus protocol type, where:

0 = RTU (for slave serial ports)

CPKSoft Engineering

Industrial communication drivers.

[www.cpksoft.com](http://www.cpksoft.com)

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

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

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

phone: 54-911-45788354

1990-2013

# Industrial communication solutions for Windows

1 = TCP (for slave ethernet ports)

**Meaning of the DriverP5 parameter:**

Number of retries reading each item, before discarding the whole communication.

**Meaning of the DriverP6 parameter:**

Not used.

**Meaning of the DriverP7 parameter:**

001s2:0003,001u0:0104,001 @0:0006,001 @0:00BD,001 @0:000B,001u0:0008,001u0:0007,001u0 :0009,001u0:000A,001\$3:0000,001s3:0000,001 @0:0005

**Values that are returned:**

Text in PointText (0) = Fabricante  
Text in PointText (1) = Frequency (Hz)  
Text in PointText (2) = Front and rear port available comm protocols  
Text in PointText (3) = Functions available  
Text in PointText (4) = Info General Start  
Text in PointText (5) = Internal ratio earth current (A)  
Text in PointText (6) = Internal ratio phase current (A)  
Text in PointText (7) = Internal ratio rated voltage (V)  
Text in PointText (8) = Internal ratio voltage (V)  
Text in PointText (9) = ProductCode  
Text in PointText (10) = RelayDescription  
Text in PointText (11) = VersionSoftware

## Input Status

**Description of this command:**

Requests the driver to Input Status.

**Methods used to run this command:**

Analog Input (ReadNumericValues)

**Number of points accepted by this command:**

1-12

**Meaning of the DriverP0 parameter:**

Unit Address (1-255).

**Meaning of the DriverP1 parameter:**

0

**Meaning of the DriverP2 parameter:**

Not used.

**Meaning of the DriverP3 parameter:**

Indicates the format for returned dates:

0 = Use English format (MM/DD/YYYY hh:mm:ss.000)

1 = Use Spanish format (DD/MM/YYYY hh:mm:ss.000)

**Meaning of the DriverP4 parameter:**

Modbus protocol type, where:

0 = RTU (for slave serial ports)

1 = TCP (for slave ethernet ports)

**Meaning of the DriverP5 parameter:**

Number of retries reading each item, before discarding the whole communication.

**Meaning of the DriverP6 parameter:**

Not used.

**Meaning of the DriverP7 parameter:**

012b0:0010

**Values that are returned:**

Text in PointText (0) = Logical input 1  
Text in PointText (1) = Logical input 2  
Text in PointText (2) = Logical input 3  
Text in PointText (3) = Logical input 4  
Text in PointText (4) = Logical input 5  
Text in PointText (5) = Logical input 6  
Text in PointText (6) = Logical input 7  
Text in PointText (7) = Logical input 8 (only with optional board)  
Text in PointText (8) = Logical input 9 (only with optional board)  
Text in PointText (9) = Logical input 10 (only with optional board)  
Text in PointText (10) = Logical input 11 (only with optional board)  
Text in PointText (11) = Logical input 12 (only with optional board)

CPKSoft Engineering

Industrial communication drivers.

[www.cpksoft.com](http://www.cpksoft.com)

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

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

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

phone: 54-911-45788354

1990-2013

# Industrial communication solutions for Windows

## Relay Status

**Description of this command:**

Requests the driver to Relay Status.

**Methods used to run this command:**

Analog Input (ReadNumericValues)

**Number of points accepted by this command:**

1-9

**Meaning of the DriverP0 parameter:**

Unit Address (1-255).

**Meaning of the DriverP1 parameter:**

0

**Meaning of the DriverP2 parameter:**

Not used.

**Meaning of the DriverP3 parameter:**

Indicates the format for returned dates:

0 = Use English format (MM/DD/YYYY hh:mm:ss.000)

1 = Use Spanish format (DD/MM/YYYY hh:mm:ss.000)

**Meaning of the DriverP4 parameter:**

Modbus protocol type, where:

0 = RTU (for slave serial ports)

1 = TCP (for slave ethernet ports)

**Meaning of the DriverP5 parameter:**

Number of retries reading each item, before discarding the whole communication.

**Meaning of the DriverP6 parameter:**

Not used.

**Meaning of the DriverP7 parameter:**

009b0:0013

**Values that are returned:**

Text in PointText (0) = Logical output RL1 (X1 tripping)

Text in PointText (1) = Logical output RL2

Text in PointText (2) = Logical output RL3

Text in PointText (3) = Logical output RL4

Text in PointText (4) = Logical output RL0 (Watch-Dog)

Text in PointText (5) = Logical output RL5

Text in PointText (6) = Logical output RL6

Text in PointText (7) = Logical output RL7

Text in PointText (8) = Logical output RL8

## Read Measurements Group 1

**Description of this command:**

Requests the driver to Read Measurements Group 1.

**Methods used to run this command:**

Analog Input (ReadNumericValues)

**Number of points accepted by this command:**

1-22

**Meaning of the DriverP0 parameter:**

Unit Address (1-255).

**Meaning of the DriverP1 parameter:**

0

**Meaning of the DriverP2 parameter:**

Not used.

**Meaning of the DriverP3 parameter:**

Indicates the format for returned dates:

0 = Use English format (MM/DD/YYYY hh:mm:ss.000)

1 = Use Spanish format (DD/MM/YYYY hh:mm:ss.000)

**Meaning of the DriverP4 parameter:**

Modbus protocol type, where:

0 = RTU (for slave serial ports)

1 = TCP (for slave ethernet ports)

**Meaning of the DriverP5 parameter:**

Number of retries reading each item, before discarding the whole communication.

# Industrial communication solutions for Windows

## Meaning of the DriverP6 parameter:

Not used.

## Meaning of the DriverP7 parameter:

001U3:00AD,001U3:0065,001U3:0067,001U3:0061,001U3:0063,001h0:23C0,001ud:237B:65535,001ud:23BB:65535,001ud:231B:65535,001ud:233B:65535,001ud:235B:65535,001ud:239B:65535,001h0:23C4,001I2:0045,001I2:0047,001I2:0049,001U2:00A3,001U2:00A5,001U2:00A7,001I2:0096,001I2:0098,001I2:009A

## Values that are returned:

Text in PointText (0) = 3Ph VAhours (MVAh)  
Text in PointText (1) = 3Ph VARhours Fwd (MVARh)  
Text in PointText (2) = 3Ph VARhours Rev (MVARh)  
Text in PointText (3) = 3Ph Whours Fwd (MWh)  
Text in PointText (4) = 3Ph Whours Rev (MWh)  
Text in PointText (5) = Active Power (W)  
Text in PointText (6) = Angle with lam (Deg)  
Text in PointText (7) = Angle with lam (Deg)  
Text in PointText (8) = Angle with lam (Deg)  
Text in PointText (9) = Angle with lam (Deg)  
Text in PointText (10) = Angle with lam (Deg)  
Text in PointText (11) = Angle with lam (Deg)  
Text in PointText (12) = Apparent Power (VA)  
Text in PointText (13) = Average IA RMS (A)  
Text in PointText (14) = Average IB RMS (A)  
Text in PointText (15) = Average IC RMS (A)  
Text in PointText (16) = Average Rolling Demand IA RMS (A)  
Text in PointText (17) = Average Rolling Demand IB RMS (A)  
Text in PointText (18) = Average Rolling Demand IC RMS (A)  
Text in PointText (19) = Average UA or UAB RMS (V)  
Text in PointText (20) = Average UB or UBC RMS (V)  
Text in PointText (21) = Average UC (V)

## Read Measurements Group 2

### Description of this command:

Requests the driver to Read Measurements Group 2.

### Methods used to run this command:

Analog Input (ReadNumericValues)

### Number of points accepted by this command:

1-13

### Meaning of the DriverP0 parameter:

Unit Address (1-255).

### Meaning of the DriverP1 parameter:

0

### Meaning of the DriverP2 parameter:

Not used.

### Meaning of the DriverP3 parameter:

Indicates the format for returned dates:

0 = Use English format (MM/DD/YYYY hh:mm:ss.000)  
1 = Use Spanish format (DD/MM/YYYY hh:mm:ss.000)

### Meaning of the DriverP4 parameter:

Modbus protocol type, where:

0 = RTU (for slave serial ports)  
1 = TCP (for slave ethernet ports)

### Meaning of the DriverP5 parameter:

Number of retries reading each item, before discarding the whole communication.

### Meaning of the DriverP6 parameter:

Not used.

### Meaning of the DriverP7 parameter:

001u2:0118:65535,001u2:0111:65535,001u0:0110:65535,001i0:00A2:-9999,001u0:005B:65535,001u0:005C:65535,001u0:005D:65535,001u0:005E:65535,001i2:23C6:-9999,001u2:003E:9999,001I2:004B,001I2:003A,001I2:0038

### Values that are returned:

Text in PointText (0) = CB Closing Time (s)

CPKSoft Engineering

Industrial communication drivers.

[www.cpksoft.com](http://www.cpksoft.com)

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

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

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

phone: 54-911-45788354

1990-2013

# Industrial communication solutions for Windows

Text in PointText (1) = CB Opening Time (s)  
Text in PointText (2) = CB Operations  
Text in PointText (3) =  $\text{Cos}(\text{Phi}) \times 100$   
Text in PointText (4) = Cycles 1 Recloses  
Text in PointText (5) = Cycles 2 Recloses  
Text in PointText (6) = Cycles 3 Recloses  
Text in PointText (7) = Cycles 4 Recloses  
Text in PointText (8) = Displacement power factor  $\text{Cos}(\text{phi})$   
Text in PointText (9) = Frequency (Hz)  
Text in PointText (10) =  $I N - f_n (A)$   
Text in PointText (11) =  $I_1 (A)$   
Text in PointText (12) =  $I_2 (A)$

## Read IA Measurements

### Description of this command:

Requests the driver to Read IA Measurements.

### Methods used to run this command:

Analog Input (ReadNumericValues)

### Number of points accepted by this command:

1-24

### Meaning of the DriverP0 parameter:

Unit Address (1-255).

### Meaning of the DriverP1 parameter:

0

### Meaning of the DriverP2 parameter:

Not used.

### Meaning of the DriverP3 parameter:

Indicates the format for returned dates:

0 = Use English format (MM/DD/YYYY hh:mm:ss.000)

1 = Use Spanish format (DD/MM/YYYY hh:mm:ss.000)

### Meaning of the DriverP4 parameter:

Modbus protocol type, where:

0 = RTU (for slave serial ports)

1 = TCP (for slave ethernet ports)

### Meaning of the DriverP5 parameter:

Number of retries reading each item, before discarding the whole communication.

### Meaning of the DriverP6 parameter:

Not used.

### Meaning of the DriverP7 parameter:

00112:0030,001h0:2300,001u2:2303:65535,001u2:2304:65535,001u2:2305:65535,001u2:2306:65535,001u2:2307:65535,001u2:2308:65535,001u2:2309:65535,001u2:230A:65535,001u2:230B:65535,001u2:231F:65535,001h0:231C,001u2:231A:65535,001u2:2302:65535,001u0:0055:1000,001u0:0056:1000,001u0:00B2:1000,001u0:008C:1000,001u0:00B3:1000,001u0:008D:1000,001u0:00B4:1000,001u0:008E:1000,001u0:008F:1000

### Values that are returned:

Text in PointText (0) = IA (A)

Text in PointText (1) = IA Fundamental (A)

Text in PointText (2) = IA Harmonic 02 (%)

Text in PointText (3) = IA Harmonic 03 (%)

Text in PointText (4) = IA Harmonic 04 (%)

Text in PointText (5) = IA Harmonic 05 (%)

Text in PointText (6) = IA Harmonic 06 (%)

Text in PointText (7) = IA Harmonic 07 (%)

Text in PointText (8) = IA Harmonic 08 (%)

Text in PointText (9) = IA Harmonic 09 (%)

Text in PointText (10) = IA Harmonic 10 (%)

Text in PointText (11) = IA K Factor

Text in PointText (12) = IA RMS (A)

Text in PointText (13) = IA TDD (%)

Text in PointText (14) = IA THD (%)

Text in PointText (15) = IA^IB Angle (Deg)

Text in PointText (16) = IA^IC Angle (Deg)

## CPKSoft Engineering

Industrial communication drivers.

[www.cpksoft.com](http://www.cpksoft.com)

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

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

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

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

phone: 54-911-45788354

1990-2013

# Industrial communication solutions for Windows

Text in PointText (17) = IA^UA Angle (Deg)  
Text in PointText (18) = IA^UAB Angle (Deg)  
Text in PointText (19) = IA^UB Angle (Deg)  
Text in PointText (20) = IA^UBC Angle (Deg)  
Text in PointText (21) = IA^UC Angle (Deg)  
Text in PointText (22) = IA^UCA Angle (Deg)  
Text in PointText (23) = IA^UN Angle (Deg)

## Read IB Measurements

### Description of this command:

Requests the driver to Read IB Measurements.

### Methods used to run this command:

Analog Input (ReadNumericValues)

### Number of points accepted by this command:

1-15

### Meaning of the DriverP0 parameter:

Unit Address (1-255).

### Meaning of the DriverP1 parameter:

0

### Meaning of the DriverP2 parameter:

Not used.

### Meaning of the DriverP3 parameter:

Indicates the format for returned dates:

0 = Use English format (MM/DD/YYYY hh:mm:ss.000)

1 = Use Spanish format (DD/MM/YYYY hh:mm:ss.000)

### Meaning of the DriverP4 parameter:

Modbus protocol type, where:

0 = RTU (for slave serial ports)

1 = TCP (for slave ethernet ports)

### Meaning of the DriverP5 parameter:

Number of retries reading each item, before discarding the whole communication.

### Meaning of the DriverP6 parameter:

Not used.

### Meaning of the DriverP7 parameter:

001I2:0032,001h0:2320,001u2:2323:65535,001u2:2324:65535,001u2:2325:65535,001u2:2326:65535,001u2:2327:65535,001u2:2328:65535,001u2:2329:65535,001u2:232A:65535,001u2:232B:65535,001u2:233F:65535,001h0:233C,001u2:233A:65535,001u2:2322:65535

### Values that are returned:

Text in PointText (0) = IB (A)

Text in PointText (1) = IB Fundamental (A)

Text in PointText (2) = IB Harmonic 02 (%)

Text in PointText (3) = IB Harmonic 03 (%)

Text in PointText (4) = IB Harmonic 04 (%)

Text in PointText (5) = IB Harmonic 05 (%)

Text in PointText (6) = IB Harmonic 06 (%)

Text in PointText (7) = IB Harmonic 07 (%)

Text in PointText (8) = IB Harmonic 08 (%)

Text in PointText (9) = IB Harmonic 09 (%)

Text in PointText (10) = IB Harmonic 10 (%)

Text in PointText (11) = IB K Factor

Text in PointText (12) = IB RMS (A)

Text in PointText (13) = IB TDD (%)

Text in PointText (14) = IB THD (%)

## Read IC Measurements

### Description of this command:

Requests the driver to Read IC Measurements.

### Methods used to run this command:

Analog Input (ReadNumericValues)

### Number of points accepted by this command:

1-15

CPKSoft Engineering

Industrial communication drivers.

[www.cpksoft.com](http://www.cpksoft.com)

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

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

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

phone: 54-911-45788354

1990-2013



# Industrial communication solutions for Windows

**Meaning of the DriverP0 parameter:**

Unit Address (1-255).

**Meaning of the DriverP1 parameter:**

0

**Meaning of the DriverP2 parameter:**

Not used.

**Meaning of the DriverP3 parameter:**

Indicates the format for returned dates:

0 = Use English format (MM/DD/YYYY hh:mm:ss.000)

1 = Use Spanish format (DD/MM/YYYY hh:mm:ss.000)

**Meaning of the DriverP4 parameter:**

Modbus protocol type, where:

0 = RTU (for slave serial ports)

1 = TCP (for slave ethernet ports)

**Meaning of the DriverP5 parameter:**

Number of retries reading each item, before discarding the whole communication.

**Meaning of the DriverP6 parameter:**

Not used.

**Meaning of the DriverP7 parameter:**

00112:0034,001h0:2340,001u2:2343:65535,001u2:2344:65535,001u2:2345:65535,001u2:2346:65535,001u2:2347:65535,001u2:2348:65535,001u2:2349:65535,001u2:234A:65535,001u2:234B:65535,001u2:235F:65535,001h0:235C,001u2:235A:65535,001u2:2342:65535

**Values that are returned:**

Text in PointText (0) = IC (A)

Text in PointText (1) = IC Fundamental (A)

Text in PointText (2) = IC Harmonic 02 (%)

Text in PointText (3) = IC Harmonic 03 (%)

Text in PointText (4) = IC Harmonic 04 (%)

Text in PointText (5) = IC Harmonic 05 (%)

Text in PointText (6) = IC Harmonic 06 (%)

Text in PointText (7) = IC Harmonic 07 (%)

Text in PointText (8) = IC Harmonic 08 (%)

Text in PointText (9) = IC Harmonic 09 (%)

Text in PointText (10) = IC Harmonic 10 (%)

Text in PointText (11) = IC K Factor

Text in PointText (12) = IC RMS (A)

Text in PointText (13) = IC TDD (%)

Text in PointText (14) = IC THD (%)

## Read Measurements Group 3

**Description of this command:**

Requests the driver to Read Measurements Group 3.

**Methods used to run this command:**

Analog Input (ReadNumericValues)

**Number of points accepted by this command:**

1-12

**Meaning of the DriverP0 parameter:**

Unit Address (1-255).

**Meaning of the DriverP1 parameter:**

0

**Meaning of the DriverP2 parameter:**

Not used.

**Meaning of the DriverP3 parameter:**

Indicates the format for returned dates:

0 = Use English format (MM/DD/YYYY hh:mm:ss.000)

1 = Use Spanish format (DD/MM/YYYY hh:mm:ss.000)

**Meaning of the DriverP4 parameter:**

Modbus protocol type, where:

0 = RTU (for slave serial ports)

1 = TCP (for slave ethernet ports)

**Meaning of the DriverP5 parameter:**

Number of retries reading each item, before discarding the whole communication.

# Industrial communication solutions for Windows

**Meaning of the DriverP6 parameter:**

Not used.

**Meaning of the DriverP7 parameter:**

001U0:00A9,001I2:0036,001u0:0075:1000,001I2:003F,001I2:0041,001I2:0043,001I2:0069,001I2:006B,001I2:006D,001I2:0090,001I2:0092,001I2:0094

**Values that are returned:**

Text in PointText (0) = IeCos (A)  
Text in PointText (1) = IN (A)  
Text in PointText (2) = IN^VN Angle (Deg)  
Text in PointText (3) = Max. IA RMS (A)  
Text in PointText (4) = Max. IB RMS (A)  
Text in PointText (5) = Max. IC RMS (A)  
Text in PointText (6) = Max. Rolling Demand IA RMS (A)  
Text in PointText (7) = Max. Rolling Demand IB RMS (A)  
Text in PointText (8) = Max. Rolling Demand IC RMS (A)  
Text in PointText (9) = Max. UA or UAB RMS (V)  
Text in PointText (10) = Max. UB or UBC RMS (V)  
Text in PointText (11) = Max. UC (V)

## Read Measurements Group 4

**Description of this command:**

Requests the driver to Read Measurements Group 4.

**Methods used to run this command:**

Analog Input (ReadNumericValues)

**Number of points accepted by this command:**

1-19

**Meaning of the DriverP0 parameter:**

Unit Address (1-255).

**Meaning of the DriverP1 parameter:**

0

**Meaning of the DriverP2 parameter:**

Not used.

**Meaning of the DriverP3 parameter:**

Indicates the format for returned dates:  
0 = Use English format (MM/DD/YYYY hh:mm:ss.000)  
1 = Use Spanish format (DD/MM/YYYY hh:mm:ss.000)

**Meaning of the DriverP4 parameter:**

Modbus protocol type, where:  
0 = RTU (for slave serial ports)  
1 = TCP (for slave ethernet ports)

**Meaning of the DriverP5 parameter:**

Number of retries reading each item, before discarding the whole communication.

**Meaning of the DriverP6 parameter:**

Not used.

**Meaning of the DriverP7 parameter:**

001h0:23CA,001h0:23CE,001I2:009E,001U2:009C,001h0:23C8,001h0:23CC,001I2:00A0,001u0:003C:65535,001h0:23C2,001I2:00AB,001I0:0112,001I0:0114,001I0:0116,001u0:005A:65535,001u0:005F:65535,001U2:0080,001U2:0082,001U2:0084,001U2:0086

**Values that are returned:**

Text in PointText (0) = Negative active energy (Wh)  
Text in PointText (1) = Negative reactive energy (VARh)  
Text in PointText (2) = P (kW)  
Text in PointText (3) = Pe (kW)  
Text in PointText (4) = Positive active energy (Wh)  
Text in PointText (5) = Positive reactive energy (VARh)  
Text in PointText (6) = Q (kVAR)  
Text in PointText (7) = Ratio I2 / I1 (%)  
Text in PointText (8) = Reactive Power (VAR)  
Text in PointText (9) = S (kVA)  
Text in PointText (10) = S Amps(n) IA (A^n)  
Text in PointText (11) = S Amps(n) IB (A^n)  
Text in PointText (12) = S Amps(n) IC (A^n)

CPKSoft Engineering

Industrial communication drivers.

[www.cpksoft.com](http://www.cpksoft.com)

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

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

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

phone: 54-911-45788354

1990-2013

# Industrial communication solutions for Windows

Text in PointText (13) = Total Recloses  
Text in PointText (14) = Total Trip & Lockout  
Text in PointText (15) = UA or UAB (V)  
Text in PointText (16) = UB or UBC (V)  
Text in PointText (17) = UC or UCA (V)  
Text in PointText (18) = UN (V)

## Read VA Measurements

### **Description of this command:**

Requests the driver to Read VA Measurements.

### **Methods used to run this command:**

Analog Input (ReadNumericValues)

### **Number of points accepted by this command:**

1-14

### **Meaning of the DriverP0 parameter:**

Unit Address (1-255).

### **Meaning of the DriverP1 parameter:**

0

### **Meaning of the DriverP2 parameter:**

Not used.

### **Meaning of the DriverP3 parameter:**

Indicates the format for returned dates:

0 = Use English format (MM/DD/YYYY hh:mm:ss.000)

1 = Use Spanish format (DD/MM/YYYY hh:mm:ss.000)

### **Meaning of the DriverP4 parameter:**

Modbus protocol type, where:

0 = RTU (for slave serial ports)

1 = TCP (for slave ethernet ports)

### **Meaning of the DriverP5 parameter:**

Number of retries reading each item, before discarding the whole communication.

### **Meaning of the DriverP6 parameter:**

Not used.

### **Meaning of the DriverP7 parameter:**

001h0:2360,001u2:2363:65535,001u2:2364:65535,001u2:2365:65535,001u2:2366:65535,001u2:2367:65535,001u2:2368:65535,001u2:2369:65535,001u2:236A:65535,001u2:236B:65535,001u2:237F:65535,001h0:237C,001u2:2362:65535,001ud:237A:65535

### **Values that are returned:**

Text in PointText (0) = VA or UAB Fundamental (V)

Text in PointText (1) = VA or UAB Harmonic 02 (%)

Text in PointText (2) = VA or UAB Harmonic 03 (%)

Text in PointText (3) = VA or UAB Harmonic 04 (%)

Text in PointText (4) = VA or UAB Harmonic 05 (%)

Text in PointText (5) = VA or UAB Harmonic 06 (%)

Text in PointText (6) = VA or UAB Harmonic 07 (%)

Text in PointText (7) = VA or UAB Harmonic 08 (%)

Text in PointText (8) = VA or UAB Harmonic 09 (%)

Text in PointText (9) = VA or UAB Harmonic 10 (%)

Text in PointText (10) = VA or UAB K Factor

Text in PointText (11) = VA or UAB RMS (V)

Text in PointText (12) = VA or UAB THD (%)

Text in PointText (13) = Va^1a or Uab^1c (Deg)

## Read VB Measurements

### **Description of this command:**

Requests the driver to Read VB Measurements.

### **Methods used to run this command:**

Analog Input (ReadNumericValues)

### **Number of points accepted by this command:**

1-14

### **Meaning of the DriverP0 parameter:**

Unit Address (1-255).

# Industrial communication solutions for Windows

**Meaning of the DriverP1 parameter:**

0

**Meaning of the DriverP2 parameter:**

Not used.

**Meaning of the DriverP3 parameter:**

Indicates the format for returned dates:

0 = Use English format (MM/DD/YYYY hh:mm:ss.000)

1 = Use Spanish format (DD/MM/YYYY hh:mm:ss.000)

**Meaning of the DriverP4 parameter:**

Modbus protocol type, where:

0 = RTU (for slave serial ports)

1 = TCP (for slave ethernet ports)

**Meaning of the DriverP5 parameter:**

Number of retries reading each item, before discarding the whole communication.

**Meaning of the DriverP6 parameter:**

Not used.

**Meaning of the DriverP7 parameter:**

001h0:2380,001u2:2383:65535,001u2:2384:65535,001u2:2385:65535,001u2:2386:65535,001u2:2

387:65535,001u2:2388:65535,001u2:2389:65535,001u2:238A:65535,001u2:238B:65535,001u2:2

39F:65535,001h0:239C,001u2:2382:65535,001ud:239A:65535

**Values that are returned:**

Text in PointText (0) = VB or UBC Fundamental (V)

Text in PointText (1) = VB or UBC Harmonic 02 (%)

Text in PointText (2) = VB or UBC Harmonic 03 (%)

Text in PointText (3) = VB or UBC Harmonic 04 (%)

Text in PointText (4) = VB or UBC Harmonic 05 (%)

Text in PointText (5) = VB or UBC Harmonic 06 (%)

Text in PointText (6) = VB or UBC Harmonic 07 (%)

Text in PointText (7) = VB or UBC Harmonic 08 (%)

Text in PointText (8) = VB or UBC Harmonic 09 (%)

Text in PointText (9) = VB or UBC Harmonic 10 (%)

Text in PointText (10) = VB or UBC K Factor

Text in PointText (11) = VB or UBC RMS (V)

Text in PointText (12) = VB or UBC THD (%)

Text in PointText (13) = Vb^Ib or Ubc^Ia (Deg)

## Read VC Measurements

**Description of this command:**

Requests the driver to Read VC Measurements.

**Methods used to run this command:**

Analog Input (ReadNumericValues)

**Number of points accepted by this command:**

1-14

**Meaning of the DriverP0 parameter:**

Unit Address (1-255).

**Meaning of the DriverP1 parameter:**

0

**Meaning of the DriverP2 parameter:**

Not used.

**Meaning of the DriverP3 parameter:**

Indicates the format for returned dates:

0 = Use English format (MM/DD/YYYY hh:mm:ss.000)

1 = Use Spanish format (DD/MM/YYYY hh:mm:ss.000)

**Meaning of the DriverP4 parameter:**

Modbus protocol type, where:

0 = RTU (for slave serial ports)

1 = TCP (for slave ethernet ports)

**Meaning of the DriverP5 parameter:**

Number of retries reading each item, before discarding the whole communication.

**Meaning of the DriverP6 parameter:**

Not used.

CPKSoft Engineering

Industrial communication  
drivers.

[www.cpksoft.com](http://www.cpksoft.com)

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

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

phone: 54-911-45788354

1990-2013

# Industrial communication solutions for Windows

## Meaning of the DriverP7 parameter:

001h0:23A0,001u2:23A3:65535,001u2:23A4:65535,001u2:23A5:65535,001u2:23A6:65535,001u2:23A7:65535,001u2:23A8:65535,001u2:23A9:65535,001u2:23AA:65535,001u2:23AB:65535,001u2:23BF:65535,001h0:23BC,001u2:23A2:65535,001ud:23BA:65535

## Values that are returned:

Text in PointText (0) = VC or UCA Fundamental (V)  
Text in PointText (1) = VC or UCA Harmonic 02 (%)  
Text in PointText (2) = VC or UCA Harmonic 03 (%)  
Text in PointText (3) = VC or UCA Harmonic 04 (%)  
Text in PointText (4) = VC or UCA Harmonic 05 (%)  
Text in PointText (5) = VC or UCA Harmonic 06 (%)  
Text in PointText (6) = VC or UCA Harmonic 07 (%)  
Text in PointText (7) = VC or UCA Harmonic 08 (%)  
Text in PointText (8) = VC or UCA Harmonic 09 (%)  
Text in PointText (9) = VC or UCA Harmonic 10 (%)  
Text in PointText (10) = VC or UCA K Factor  
Text in PointText (11) = VC or UCA RMS (V)  
Text in PointText (12) = VC or UCA THD (%)  
Text in PointText (13) =  $V_c^{1/c}$  or  $U_c^{1/b}$  (Deg)

## 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  
[1007] DRIVER (Internal): Code logic error  
[1008] DRIVER (Internal): Command execution requires a valid license  
[1010] DRIVER (Internal): Error calculating elapsed milliseconds  
[1201] DRIVER (System): Error closing %s  
[1202] DRIVER (System): Error creating %s  
[1208] DRIVER (System): Error seeking end of %s  
[1210] DRIVER (System): Error writing to %s  
[1214] DRIVER (System): Error deleting %s  
[1300] PROTOCOL (Timeout): No answer  
[1313] PROTOCOL (Timeout): No answer from meter after retrying with a Start Communications message  
[1332] PROTOCOL (Remote): Invalid date received  
[1333] PROTOCOL (Remote): Couldn't decode received date  
[1334] PROTOCOL (Remote): Invalid time received  
[1338] PROTOCOL (Remote): Couldn't decode reference date  
[1369] REPLY (Remote): Couldn't calculate first sample time  
[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  
[3508] CONFIG (P1): Invalid command  
[4161] CONFIG (P2): Invalid fault number (1-24)  
[4162] CONFIG (P2): Invalid record number (0-4)

## Supported devices

---

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

SCHNEIDER ELECTRIC MICOM P125 Directional/Non-Directional Relays  
SCHNEIDER ELECTRIC MICOM P126 Directional/Non-Directional Relays  
SCHNEIDER ELECTRIC MICOM P127 Directional/Non-Directional Relays  
SCHNEIDER ELECTRIC MICOM P127 v15

## CPKSoft Engineering

Industrial communication drivers.

[www.cpksoft.com](http://www.cpksoft.com)

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

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

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

phone: 54-911-45788354

1990-2013