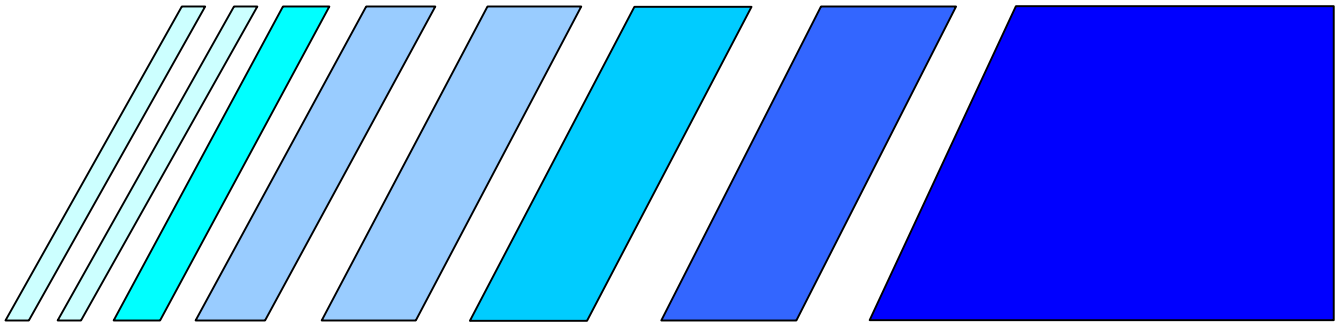
OMRON

USERS MANUAL



OMNUC W Series／U Series

Servo Driver ／ Servomotor

Computer Monitor Software WMON Win Ver1. 01

General Warnings

About the display and the meaning to be safely used

At this manual, it is for the OMNUC W series / the U series.

To use personal computer monitor software safely, note item is shown by the following display.

Of the important contents about the safety specified by note item which was shown here Always, keep.

About the start-up of the numerous axis communication

Caution:

Set so as not for the number machine No. to overlap.

Number machine NO. however, when beginning communication with the personal computer in the overlapping condition.

※1.When using numerous axis communication, before connecting with the personal computer, set the number machine No. of each servo driver .

※2.In case of numerous axis communication, set number machine No. in the range of 1-E(14), F(15).

Don't use number machine No.0 absolutely.

※3.There is not setting of number machine No. in UE.

(It isn't possible to do numerous axis communication).

UT set number machine No. with the rotary switch in the front.

About the parameter transfer to servo driver

Caution:

It confirms the thing that the number machine No. is right sufficiently before transferring a parameter to servo driver .

About the wiring

Caution:

The pulling-out shine of the communication cable go in the condition to have cut the power of both of servo driver , the personal computer in.

During monitor soft start-up, don't exchange a nexus by the cable.

About the operation

Caution:

When doing the power of servo driver on, off, go after making personal computer monitor software quit.

In JOG operation, confirm that there are not a person and an obstacle around the motor and the machine.

Also, during operation, don't do the pulling-out shine of the cable, the stopping of the personal computer monitor software, the quitting of the personal computer.

Reference Manual:

The related users manual is as follows.

In the personal computer monitor software, in case of use, it is the one of the corresponding goods.

Look together with the users manual.

When the users manual of the corresponding goods is not at hand, require to our company's sales person in charge.

Name	Cat. No.
The OMNUC W series AC servomotor / servo driver	I531-E1
The OMNUC U series AC servomotor / servo driver (30 - 750 W Analog input type)	I501-E1
The OMNUC U series AC servomotor / servo driver (30 - 750 W Pulse train input type)	I502-E1
The OMNUC U series AC servomotor / servo driver (1000 - 5000 W)	I512-E1
The OMNUC U series UE -type AC servomotor / servo driver (100 - 750 W Pulse train input type)	I522-E1

The manual revision record

The revision symbol	The revision years	The reason for the revision and the revision page
1.0	April,2000	The first edition
1.01	June,2000	The software start-up defect correction

Read well before using this software.

When the visitor doesn't agree the following software use assent contract, return to our company sale shop.

The software use assent contract

This contract is the one to have specified the condition that the software assents to the visitor in the use by Omron Corp..

1 The copyright

The copyright of this software (including all of the technology use, which relates to the computer program and it and so on) is in Omron Corp.

2 The use assent

The visitor copies a computer program to one computer and can use it with the computer.

3 The copy

The visitor can not duplicate all or the part of this software except for the case of the preceding clause.

4 About the change, the improvement

We refuse to do the opposite compilation, the opposite assembly of this software firmly.

5 The transfer and so on

It transfers software to the 3rd person and it isn't possible to make a visitor use in the other loan, use assent way.

6 The immunity from responsibility

(1)The damage by the straight, the indirectness or the spread effect of the visitor who occurred with the flaw of this book and the software

It doesn't very in ㄷ bear total responsibility.

(2)Even if it occurs with the use of the software when the damage occurs to the visitor, it is negative now in the total responsibility.

It is not.

About the notation

This manual is describing the item of the operation as follows specifically.

● The example of the notation

【 】……

menu name, a key, a dialog box name, the button name and so on are shown.

It sometimes is not in the place to know that it is a clarifying menu name in the table, and so on, in the putting in【 】, too.

Ex.:【 File 】The menu, the【Tab】key, the【 search 】dialog box, the【OK】button

| ……

menu is shown.

When there are many hierarchies of the menu, using "|", it sometimes omits as follows.

Ex.:【 File 】|【 The new creating 】

It shows to choose【 the new creating 】from the【 File 】menu.

Click

It shows to click on the left.

It omits the left click / the left double-click with the click / the double-click and being writing by this book

In case of the right click, it is writing with the right click.

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The contents

1-1 WMON Win

"The OMNUC W series / the U series the personal computer monitor software WMON Win " have folling functions.

- Parameter editing
- Jog operation
- The condition confirmation by the servo driver
- The corrugated display of the speed, the torque, the input/output

■ The application servo driver

WMON Win corresponds to the servo driver which shows below.

① R88D-WT□□H/-WT□□HL

② R88D-UA□□HA/-UA□□LA/-UA□□V/-UA□□W
(30 - 750 W The analog input type)

③ R88D-UP□□HA/-UP□□LA/-UP□□V/-UP□□W
(30 - 750 W The pulse train input type)

④ R88D-UT□□H/-UT□□V (1k-5kW)

⑤ R88D-UEP□□H/-UEP□□L/-UEP□□V/-UEP□□W
(100 - 750 W The pulse train input type)

■The application personal computer

The condition of the personal computer which WMON Win can be used for is as follows.

Item	The condition
The personal computer	The DOS/V personal computer
The operating system	Windows95/98
The CPU	Pentium above
The memory	16 M byte min. (32 M byte equal to or more than)
The hard disk	10 M byte min.
The monitor	SVGA(800×600 pixel)
The CD-ROM drive	Equal to or more than one
The communication port	RS-232 or RS-422. Equal to or more than 1 port

1-2 Features

■ The parameter editing

- The parameter which was edited with the personal computer can be transferred to the servo driver.
- The parameter which is set to the servo driver can be preserved at the disk.
- It is possible to read the parameter which was preserved at the disk.
- The parameter file which was created in " the OMNUC U series the personal computer monitor software the MS-DOS version " can be edited.
  Also, it is possible to transfer to the servo driver.

■JOG operation

- It is possible to do the JOG operation of the servo motor.
  (The JOG speed and the direction of the turn, too, can be set with the personal computer.)

■ The condition confirmation of the servo driver

- The ON/OFF condition of the entry signal and the output signal of the servo driver can be confirmed.
- The internal state of the servo driver can be confirmed.
- The speed feedback and the torque and so on can be monitored.

■ The corrugated display of the speed and the torque

- It can be displayed by taking in it at the time of the torque command, the speed command , the speed feedback, the position deviation and so on.
- The ON/OFF condition of the input/output signal can be displayed by taking in it.
- Sampling time can be optionally set by the 250us unit.
- The taken data can be preserved at the disk.
- The corrugation can be output at the printer.

■ The numerous axis communication (It excludes UE type).

- With one personal computer, the maximum W series can communicate with 15 and the U series can communicate with the servo driver in 14.

■ The parameter initialization

· The parameter can be returned to the factory shipment value.

■ English version , Japanese version installation

· English version ,Japanese version program software can be installed.

1-3 The data which WMON Win creates

The file to create in WMON Win and to manage it is as follows.

Name	Extension	The contents
The parameter file	.ypm	It is the parameter file which saved in ypm WMON Win
The corrugated trace file	.ysm	.t is the trace file of the corrugated monitor who saved in ysm WMON Win

Besides, it reads a file in the following which saved in UMON (the MS-DOS version monitor software), too, and it is possible to do editing, save.
When saving in WMON Win, the extension becomes ".ypm".

Name	Extension	The contents
The parameter file	.ual	R88D-UA□□HA/-UA□□LA/-UA□□V/-UA□□W R88D-UP□□HA/-UP□□LA/-UP□□V/-UP□□W
The parameter file	.uep	R88D-UEP□□H/-UEP□□L/-UEP□□V/-UEP□□W
The parameter file	.uth	R88D-UT□□H/-UT□□V(1k～5kW）

2-1 The installation and uninstallation

■ The installation

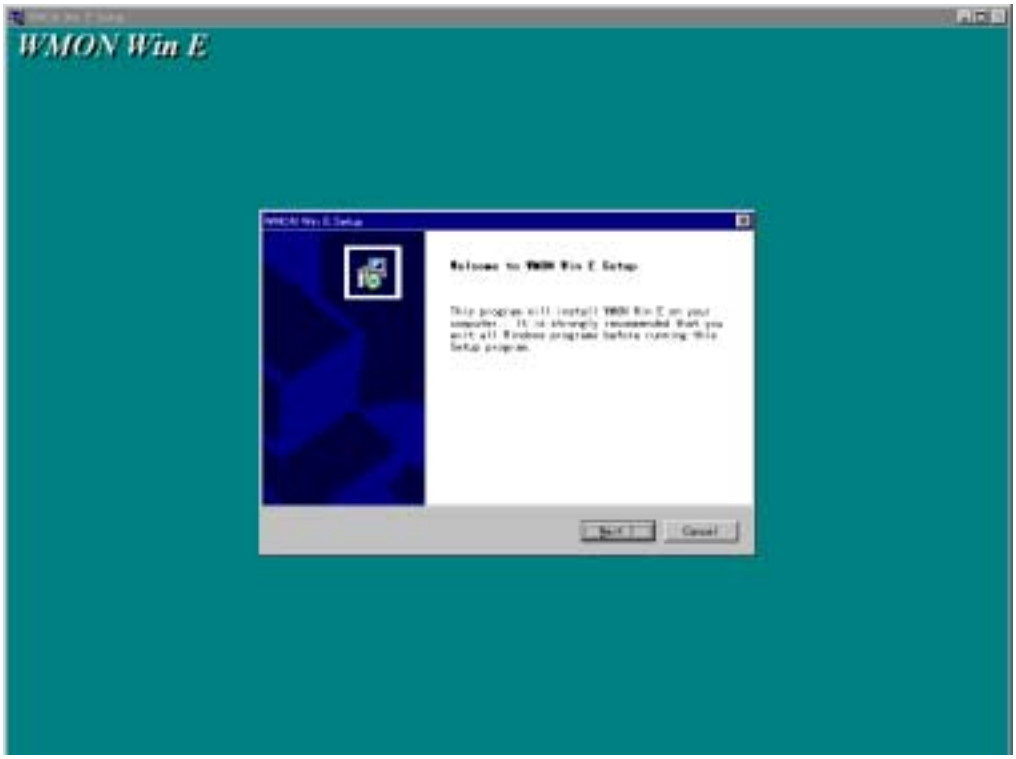
It starts up WMON Win installation program and it installs WMON Win.
WMON Win program and a related file are stored in the installation program.
In case of installation, install after all programs during the other execution quit.
It installs a program by the following procedure.

Note: Don't install English version and Japanese version of WMON Win in the same personal computer.
The display of the parameter editing screen sometimes becomes strange.

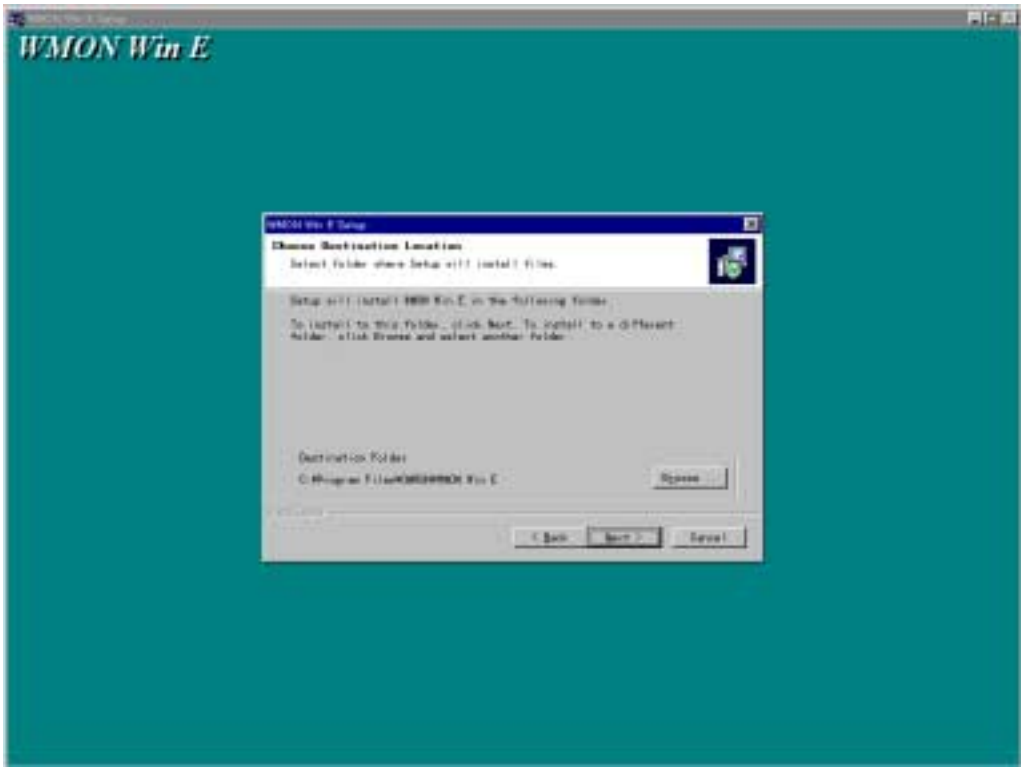
1. It turns on the power of the personal computer and it starts up Windows95/98.
2. It inserts a CD-ROM in the CD-ROM drive.
   When auto play (the automatic insertion) is set, when inserting a CD-ROM, the installation program starts up automatically.
   When auto play isn't set, it does either of the following ways.
   - It clicks the【Start】button at the taskbar, and it clicks【Run】and it chooses and it starts up "Setup.exe" in the CD-ROM.
   - It makes Explorer start up and it chooses and it starts up "Setup.exe" in the CD-ROM.

   The following screen is displayed.

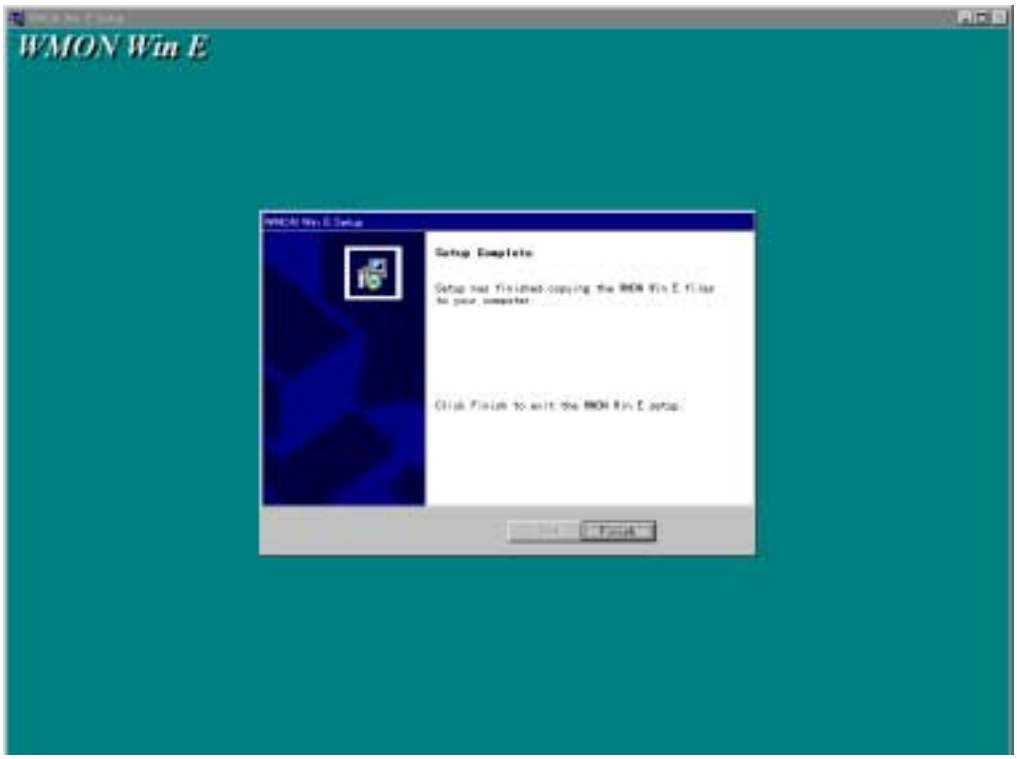
3. In case of English version, it clicks【English】and it clicks【Install】.
   The following screen is displayed and installation is begun.
   (When installing an Japanese version, it clicks【Japanese】.)



4. It reads contents and it clicks【Next】.
   The following screen is displayed.



5. It chooses the directory which installs WMON Win and it clicks【Next】.
   The installation program starts up and a file is copied on to the personal computer from the CD-ROM.
   The elapse of the file copy is displayed.If the installation completes, the following screen is displayed.



6. It clicks【Finish】.

■ The uninstallation

To delete WMON Win from the personal computer, it does the following operation.

1. It clicks the【Start】button at the taskbar and it【Settings】in the point.
2. It clicks【Control Panel】.
3. 【Add / Remove Programs】Double-clicking an icon
4. Add / Remove Programs dialog box is displayed.
   It chooses "WMON Win E" from the list display of【Install /Uninstall】and it clicks【Add / Remove】button.
5. It clicks the【OK】button of the confirmation screen.WMON Win is deleted from the personal computer.

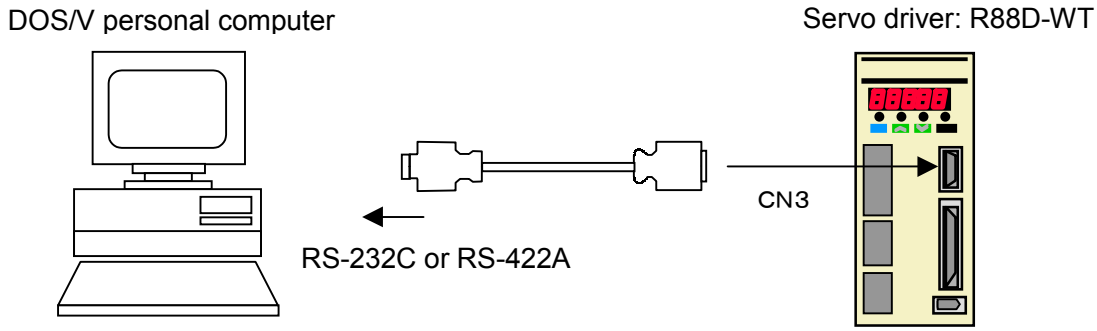
Note: "SS32X25.OCX" file sometimes isn't uninstalled at the above uninstallation it is.
After uninstallation execution, search "SS32X25.OCX" manually and delete.
The installation directory: C:¥WINDOWS¥SYSTEM

2-2 The connection with PC

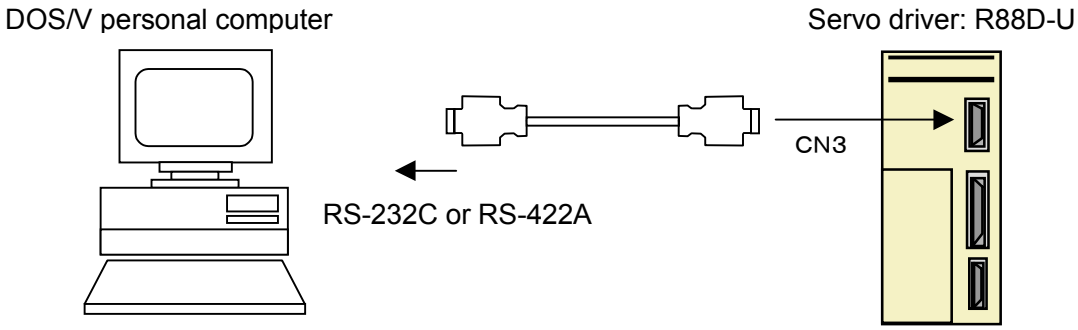
It is necessary to connect a personal computer and a servo driver with the following cable to transfer the parameter which was created in WMON Win to the servo driver and to connect online.

■The form of the connection

●In case of the W series



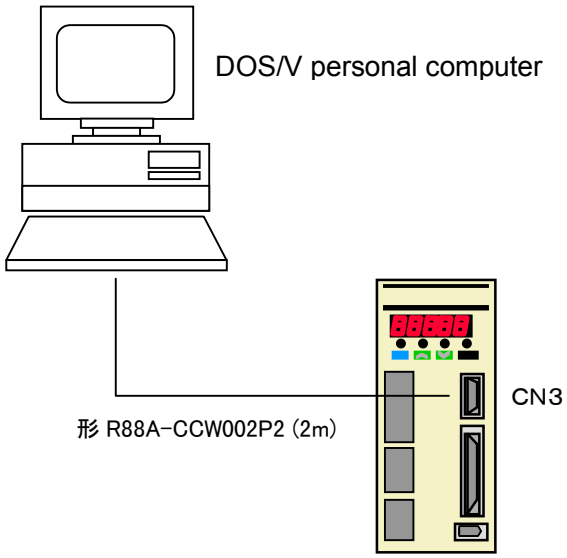
●In case of the U series



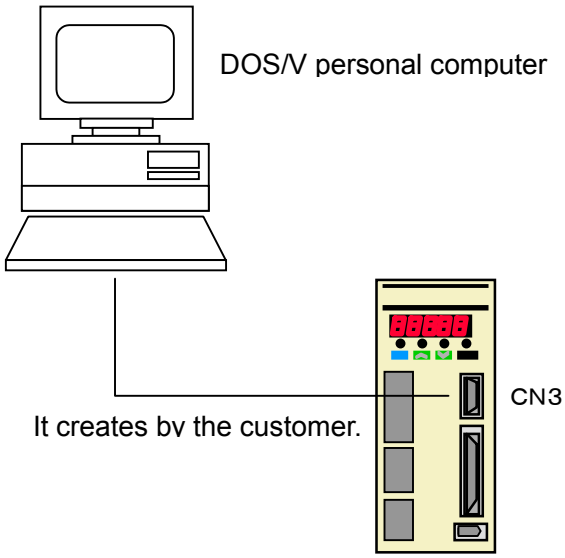
■The way of connecting

●In case of the W series

Connects to RS-232C port.



Connects to RS-422A port.



●The connection example with DOS/V personal computer

The connection cable of the personal computer (WMON Win) of the servo driver wire like the following figure.

The wiring by RS-232C cable (The cable maximum length 2 m)

DOS/V personal computer

The signal name	The pin No.
RXD	2
TXD	3
GND	5
RTS	7
CTS	8
FG	Shell

Socket : XM2D-0901(OMRON)

Cover : XM2S-0911(OMRON)

Shield

The W series servo driver

The signal name	The pin No.
2	TXD-
4	RXD-
14	GND
Shell	FG

Connector plug:10114-3000VE (3M)

Connector case:10314-52A0-008 (3M)

The wiring by RS-422A cable (The cable maximum length 30 m):1unit

DOS/V personal computer

The signal name
RXD+
RXD-
TXD+
TXD-
GND

Shield

The W series servo driver

The signal name	The pin No.
1	TXD+
2	TXD-
3	RXD+
4	RXD-
6	RXD-
7	RT
14	GND
Shell	FG

The wiring by RS-422A cable (The cable maximum length 30 m)

:More than one connection

DOS/V personal computer

The signal name
RXD+
RXD-
TXD+
TXD-
GND

Shield

The W series servo driver

The signal name	The pin No.
1	TXD+
2	TXD-
3	RXD+
4	RXD-
6	RXD-
7	RT
14	GND
Shell	FG

Shield

The signal name	The pin No.
1	TXD+
2	TXD-
3	RXD+
4	RXD-
6	RXD-
7	RT
14	GND
Shell	FG

Shield

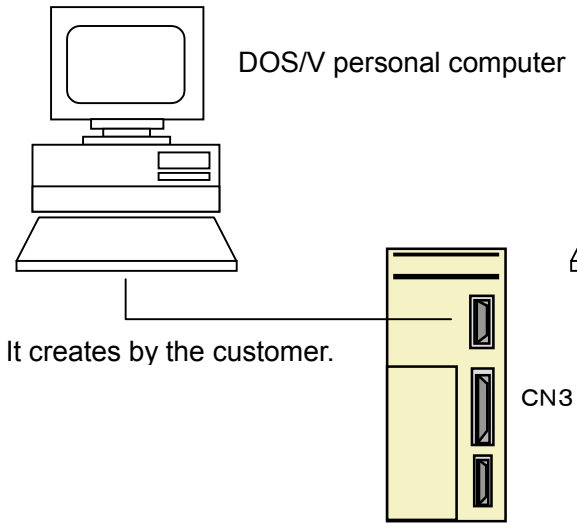
The signal name	The pin No.
1	TXD+
2	TXD-
3	RXD+
4	RXD-
6	RXD-
7	RT
14	GND
Shell	FG

The servo driver of the most termination connects RT and RXD -.

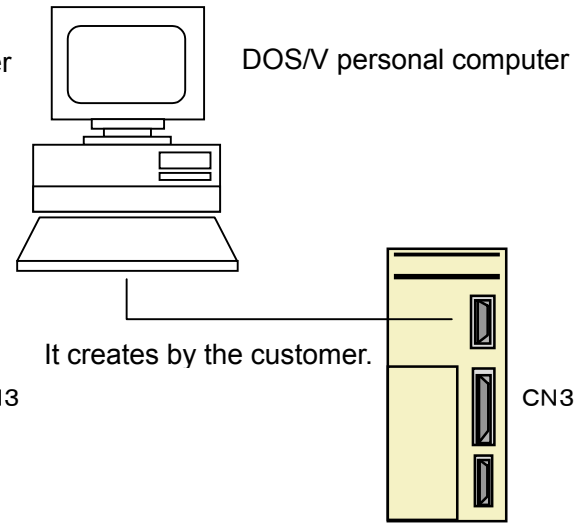
The servo driver of the most termination

●In case of the U series

Connects to RS-232C port.



Connects to RS-422A port.



●The connection example with DOS/V personal computer

The connection cable of the personal computer (WMON Win) of the servo driver wire like the following figure.

The wiring by RS-232C cable (The cable maximum length 2 m)

DOS/V personal computer

The signal name	The pin No.
RXD	2
TXD	3
GND	5
RTS	7
CTS	8
FG	Shell

Socket : XM2D-0901(OMRON)
Cover : XM2S-0911(OMRON)

Shield

The U series servo driver

The signal name	The pin No.
2	TXD-
4	RXD-
9	GND
Shell	FG

Connector plug :17JE-23090-02(DI) (DDK)
Connector case:17JE-09H-15 (DDK)

The wiring by RS-422A cable (The cable maximum length 30 m):1unit

DOS/V personal computer

The signal name
RXD+
RXD-
TXD+
TXD-
GND

Shield

The U series servo driver

The signal name	The pin No.
1	TXD+
2	TXD-
3	RXD+
4	RXD-
6	RT1
7	RT2
9	GND
Shell	FG

The wiring by RS-422A cable (The cable maximum length 30 m)

:More than one connection

DOS/V personal computer

The signal name
RXD+
RXD-
TXD+
TXD-
GND

Shield

The U series servo driver

The signal name	The pin No.
1	TXD+
2	TXD-
3	RXD+
4	RXD-
6	RT1
7	RT2
9	GND
Shell	FG

Shield

The signal name	The pin No.
1	TXD+
2	TXD-
3	RXD+
4	RXD-
6	RT1
7	RT2
9	GND
Shell	FG

Shield

The signal name	The pin No.
1	TXD+
2	TXD-
3	RXD+
4	RXD-
6	RT1
7	RT2
94	GND
Shell	FG

The servo driver of the most termination connects RT1 and RT2.

The servo driver of the most termination

3-1 The start-up and the ending

■ The start-up

To start up Wmon win, it does the following either operation.

・ Double-clicks the icon of Wmon win on the desktop. 

・ Clicks【Start】button. at the taskbar and it chooses【Program】.
Clicks folder【Omron】.
When clicking【WMON win E】, Wmon win starts up.

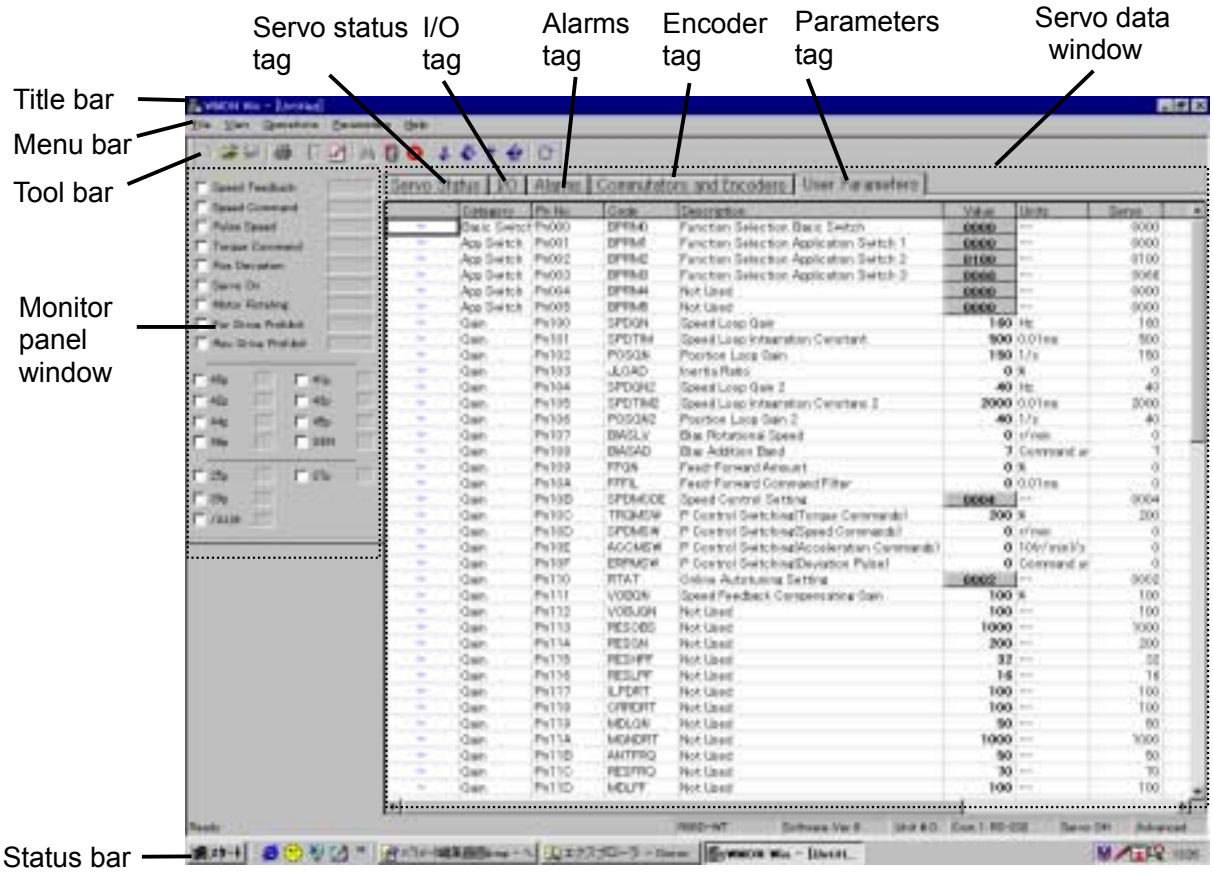
■ The ending

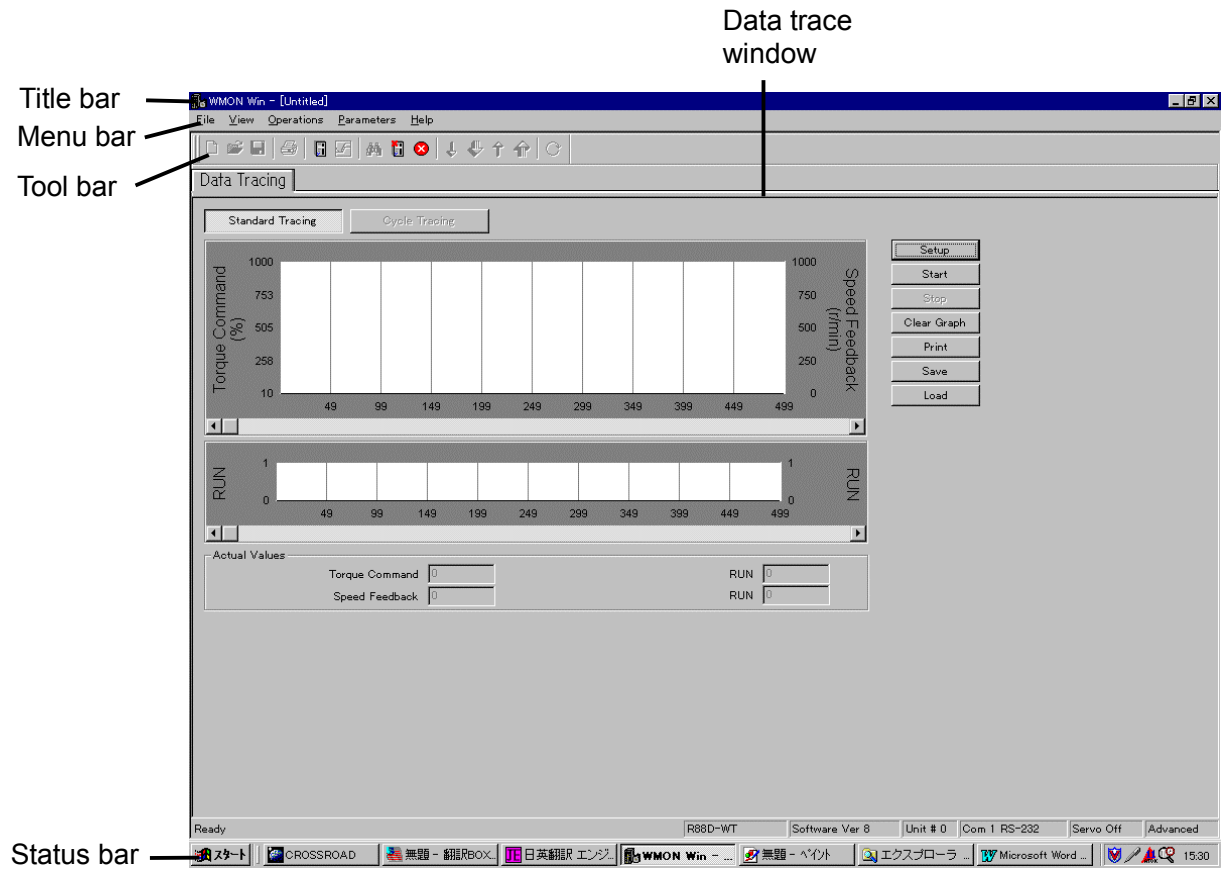
To end Wmon win, it does the following either operation.

・ Click【Close】from【the control menu】of the title bar.
・ Click【Exit】from【File】menu.
・ Click【Exit】button of the title bar. 

3-2 The overview of the user interface

The basic screen of Wmon win is the following screen.





■ The explanation of each screen

Screen name	Sub screen	The contents
Monitor panel window	—	It displays the operation condition, the input/output condition of the servo driver.
Servo data window	Parameter	It does the editing of a parameter, a transfer, save.
	Encoder	It displays an input condition from the encoder.
	I/O	It displays the input/output condition of the servo driver.
	Servo status	It displays the operation condition of the servo driver.
Data trace window	—	It displays the operation condition, the input/output condition of the servo driver in the corrugation.
Status bar	—	It displays a connection model, soft Ver., the number machine No. of the connection model, a communication method and a connection condition, an operation condition, an operation level.

■ The menu / the Short-cut Key

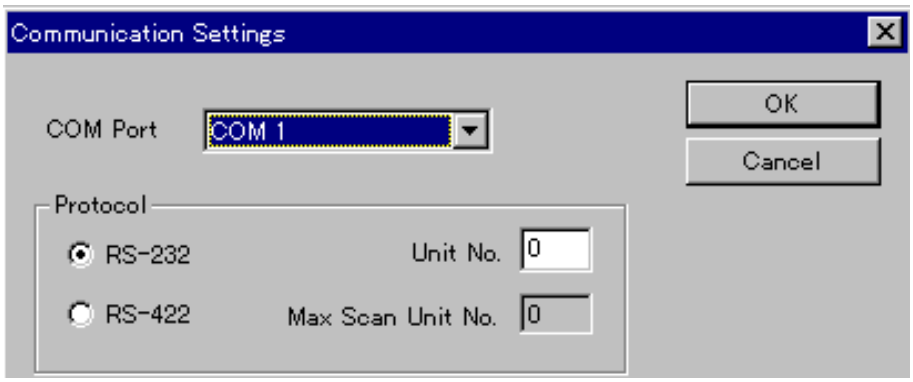
Main menu	Sub menu	The contents	Short-cut key	Icon
File	New Parameter File	It creates a parameter file newly.	Ctrl+N	
	Import Parameter File	It opens existing parameter file.	Ctrl+O	
	Save	It saves a working parameter file by same name.	Ctrl+S	
	Save As	It puts an another name to the working parameter file and it saves it.	—	—
	Close Servo Driver	It closes a working parameter file. It interrupts communication with the servo driver.	—	
	Open Trace File	It opens a corrugated trace file.	—	—
	Print	It prints the contents of the parameter file.	Ctrl+P	
	Print Setup	It changes the setting of a printer.	—	—
	1,2,3,4,5,6 Recent Files	It displays the parameter file, which was used recently in six.	—	
View	Monitor/ Parameter Section	It displays a monitor panel window, a servo data window.		
	Tuning Section	It displays a data trace window.		
	Main Toolbar	It changes the display / the non- display of the tool bar.		—
	Monitor Panel	It changes the display / the non- display of the monitor panel window.		—
	Status Bar	It changes the display / the non- display of the status bar.		—
	Options	It sets the editorial level of the automatic servo driver connection, the display screen, and the parameter file in case of start-up.		—
	Communication Settings	It does a communication port, a communication method, number machine No.setting.	—	—
Operations	Scan Servo Driver	It detects a connecting servo driver.	—	
	Select Servo Driver	It chooses the unit, which communicates with the connecting servo driver, and it begins communication.	—	
	Go Offline	It ends communication with the servo driver.	—	
	Jog	It turns a servomotor at the JOG speed.	—	
Parameters	Send All	It transmits all the parameters of the parameter file to be editing to the servo driver.	—	
	Send	It transmits one parameter to be choosing by the cursor out of the parameter file to be editing to the servo driver.	—	
	Read All	It receives all the parameters of the servo driver.	—	
	Read	It receives one parameter, which is choosing the inside of the parameter of the servo driver by the cursor.	—	
	Reset All to Defaults	It makes the parameter of the parameter file to be editing a factory shipment value.	—	
Help	About Wmon Win	It displays the version information of Wmon win.	—	

4-1 The communication setting

■ The communication setting

It sets in the communication by the following procedure.

1. Clicks【 the communication setting 】from【 Display 】menu.
The following screen is displayed.



2. It chooses the communication port which communicates with the servo driver by thecommunication port column.
It chooses the communication method to use from the communication method column.
It sets the number machine setting which is set to the connecting servo driver to the communication method column.

■ The communication with more than one servo driver

WMON Win can communicate with more than one servo driver when it connects by RS -422 A.
When communicating with more than one servo driver, go by the following procedure.

1. It connects with the servo driver in -RS-422A.

2. Click【Communication settings】from【View】menu and it makes display a setting screen.

3. Choose RS-422 from the communication method column.

4. Set number machine No. at the head of the connecting servo driver and last number machine No..

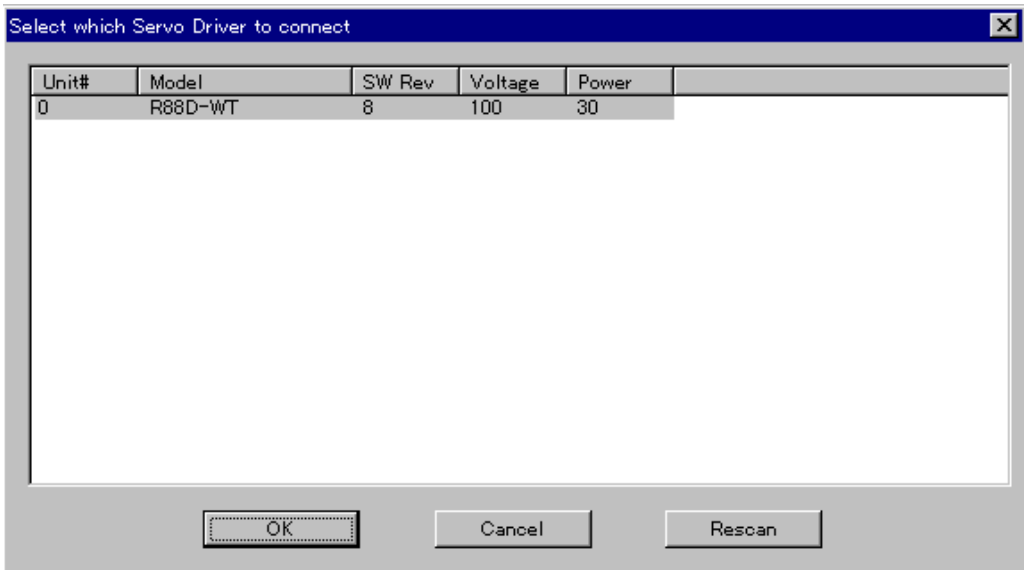
5. It connects with the servo driver by the procedure in the 4-2 chapter.
   At once, only one servo driver can be connected with.
   If the connecting servo driver and the operation complete, it clicks【Go Offline】of the【Operation】menu, make block off, connecting, click【Scan Servo Driver】of the【Operation】menu and choose a servo driver from the choice column.

4-2 The servo driver connection and the connection blocking-off

■ Servo driver connection

To connect with servo driver , it operates by the following procedure.

1. Clicks【Scan Servo Driver】from【Operation】menu.
   The following screen is displayed.



2. It chooses a connection model and it clicks【OK】.
   A connection screen is displayed and a basic screen is displayed.

■ Servo driver connection blocking-off

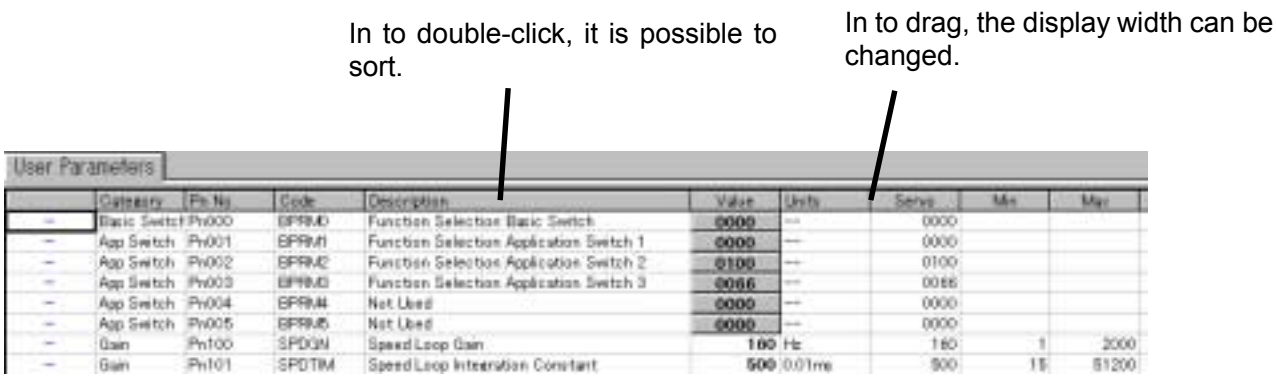
To block off with the servo driver, connecting, it operates by the following procedure.

- Click【Exit】from【File】menu.
  It closes a working parameter file and it interrupts communication with the servo driver.
- Click【Go Offline】from【Operation】menu.
  It displays a working parameter file and it interrupts communication with the servo driver.
  The parameter file which is working by the offline mode can be edited.

4-3 The parameter editing, the save and the transfer

■ Parameter editing

● Parameter editing screen



Each of the display contents of the display screen are as follows.

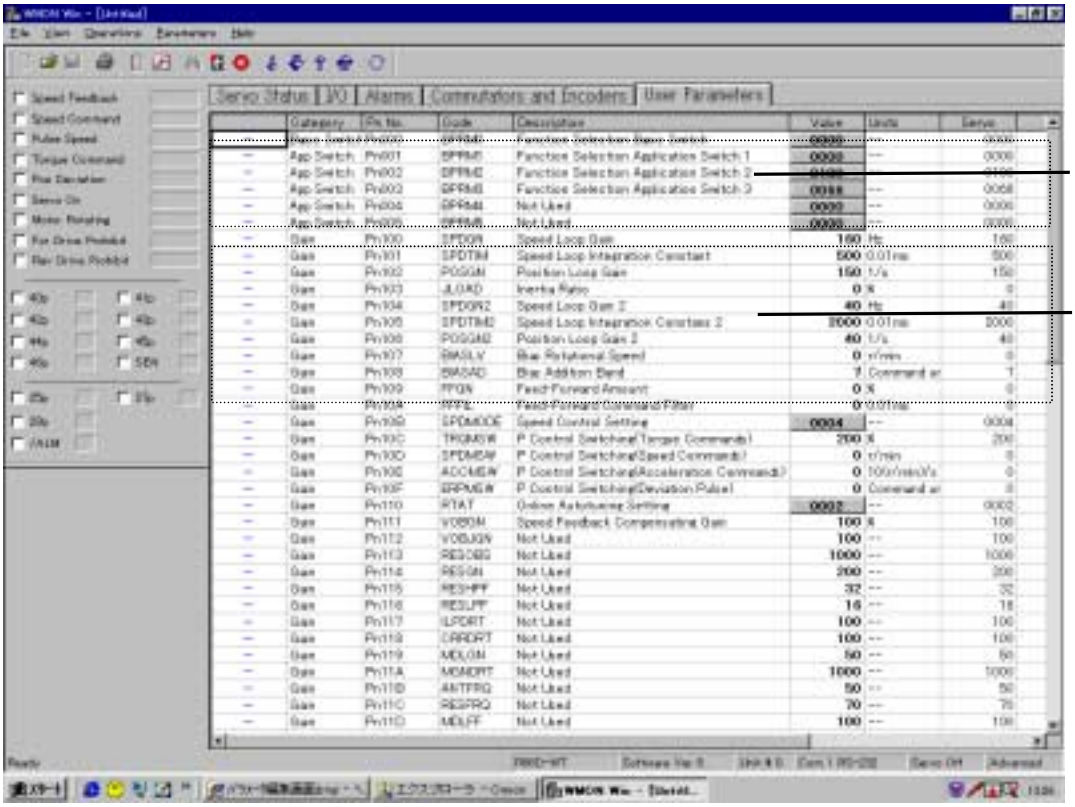
Item	Contents
Flag	When the parameter setting value, which was read from the servo, driver or the parameter file is changed, it displays a check mark.
Category	The classification of the parameter is shown.
Pn. No.	Parameter No. is shown.
Code	The identifying code of the parameter is shown.
Description	The name of the parameter is shown.
Value	The parameter present setting value is shown. When changing a setting value, it edits the value of this column.
Units	The setting unit of the parameter is shown.
Servo	The parameter value, which is established inside the connecting servo driver, is shown. In case of setting which is different from the value with " the setting value ", the display value becomes blue.
Min	The minimum value for which it is possible to set a parameter is shown. It becomes a setting error when a value below the minimum value is set.
Max	The maximum, which it is possible to set a parameter to, is shown. It becomes a setting error when a value below the minimum value is set.
Default	The factory shipment value of the parameter is shown. The setting value changes to this value when doing【Reset All to Defaults】.

The operation to edit a parameter is as follows.

●The basic operation

It clicks【Monitor/ Parameter Section】from the【View】menu with the basic screen and it makes display a servo data window.

It clicks a parameter tag in the servo data window and it displays a parameter editing screen.



● The value entry type parameter The way of setting

To change a setting value, it does the following either operation.

- " The setting value " Inputting direct value to the column.
- " The setting value " Double-clicking a column. key is displayed.
  It clicks an arrow and it sets value.

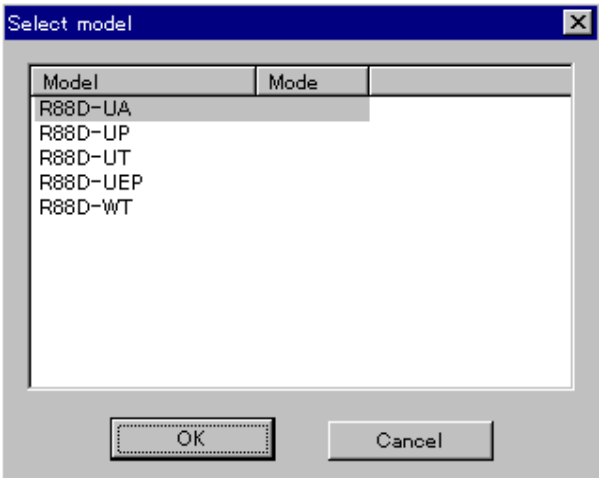
● The choice -type parameter The way of setting

" Setting value " When clicking a column, a setting screen is displayed.
To change a setting value, it does the following either operation.

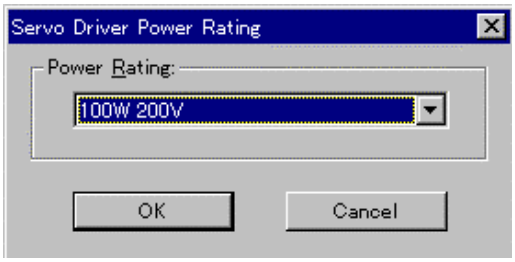
- It chooses setting from the pull-down menu.
- It clicks a check column and it puts a check mark.
  (The setting becomes "1" when putting a check mark).

● **When creating a parameter file offline and newly**

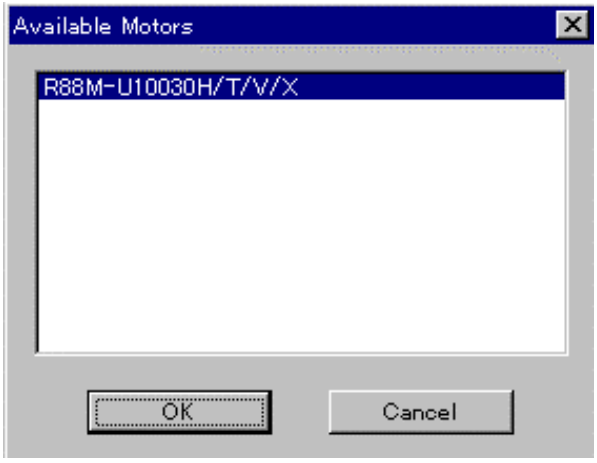
1. Clicks【 the new creating 】from the【 File 】menu.
   The following screen is displayed.



2. It chooses the type of the servo driver to edit from the list.
   The following screen is displayed.



3. It chooses the capacity, the line voltage type of the servo driver to edit from the pull-down menu.
   The application servo motor form of the editorial servo driver is displayed.
   (In the W series, this step isn't displayed.)
   When clicking【OK】, a parameter editing screen is displayed.



● **When editing an existence parameter file offline**

1. Clicks【Import Parameter File】from【File】menu.

2. It chooses an editorial parameter from the list.
   When editing the parameter file which saved in UMON, it chooses UMON User Constants Files (*.u**) from the pull-down menu of the " file type " column.

3. When choosing the capacity, the line voltage type of the servo driver to edit from the pull-down menu, a parameter editing screen is displayed.

● **When connecting with the servo driver and editing a parameter file**

When connecting with the servo driver by the procedure of " 4-2 Servo driver connection and the connection blocking-off ", a basic screen is displayed.

■ The parameter save

The operation which saves a parameter is as follows.

● **When overwriting to the parameter file to be editing**

1. Click【Save】from the【File】menu.
   The save completes.

● **The case to save newly or When changing and saving a file name**

1. Click【Saving as】from【File】menu.

2. After typing a file name, it clicks【Save】.

■The parameter transfer

It connects with the servo driver by the procedure of " 4-2 Servo driver connection and the connection blocking-off ".
The operation to transmit a parameter to the servo driver and to receive it is as follows.

● **When transmitting all the parameters to be editing to the servo driver**
All parameters are transmitted when clicking【Send All】from【Parameter】menu.

● **When transmitting 1 parameter which was chosen by the cursor to the servo driver**
All parameters are transmitted when clicking【Send】from 【Parameter】menu.

● **When receiving all parameters from the servo driver**
All parameters are received when clicking【Read All】from【Parameter】 menu.

● **When receiving 1 parameter to have chosen from the servo driver by the cursor**
All parameters are transmitted when clicking【Read】from【Parameter】menu.

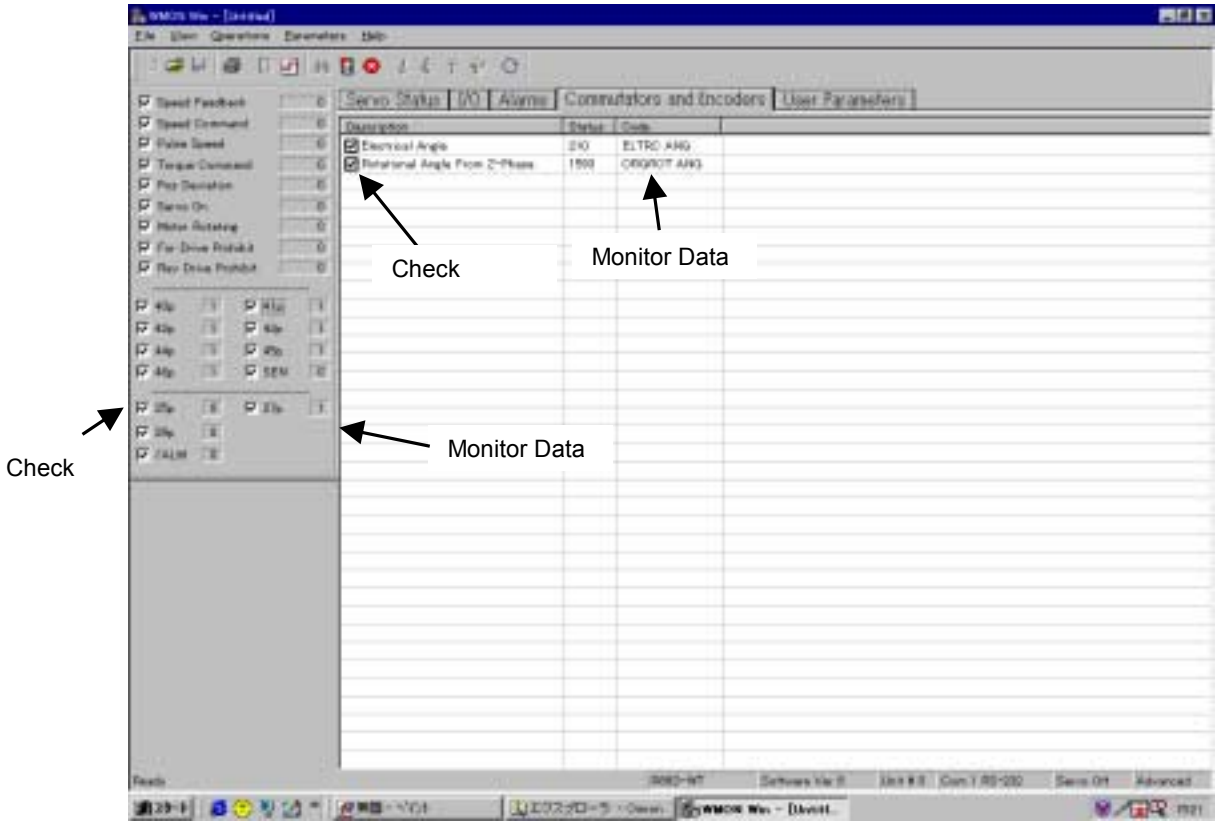
4-4 The monitor

The operation condition of the servo driver, the servo motor can be monitored with the monitor panel window, the encoder tag, the I/O tag, the inner status tag in the servo data window.

To monitor, it operates by the following procedure.

1.It connects with the servo driver by the procedure of " 4-2 Servo driver connection and the connection blocking-off ".

It chooses the screen to monitor with the tag.

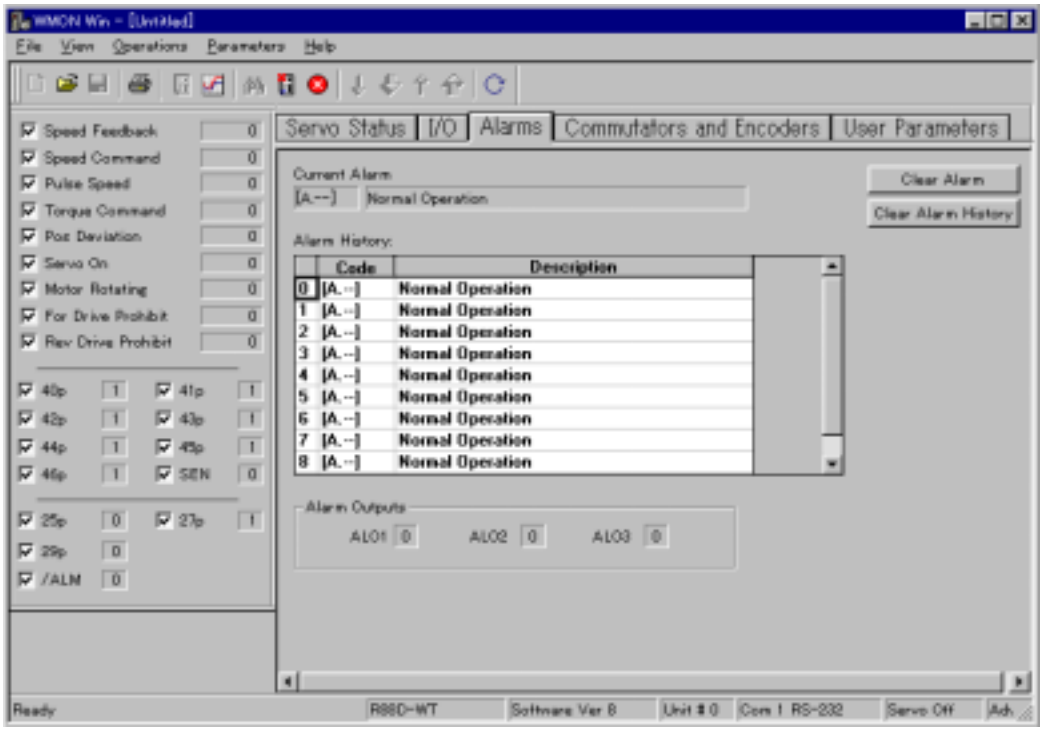


2. When clicking a check column with each monitor item, monitor data is displayed.

4-5 The alarm

When choosing an alarm tag in the servo data window, it is possible to do a servo driver, the monitor, the alarm reset of the alarm condition of the servo motor, the monitor, the alarm record clearance of the alarm record.

The display screen is as in the following figure.



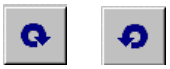
4-6 The JOG operation

It is possible to do the JOG operation of the motor from WMON Win.
During JOG operation, the input of control entry signal (CN1) becomes invalid.
Go in the condition which doesn't put a load to the motor.

Caution: JOG operation, confirm that there are not a person and an obstacle around the motor and the machine.
Also, during operation, don't do the pulling-out shine of the cable, the stopping of the personal computer monitor software, the quitting of the personal computer.
Possible in the damaging of equipment

The JOG operation operates by the following procedure.

1. It off the operation preparation signal (RUN) of the control entry signal (CN1) of servo driver.
2. It connects with the servo driver by the procedure of " 4-2 Servo driver connection and the connection blocking-off ".
3. It clicks【JOG】from【Operations】menu.
   The following screen is displayed.

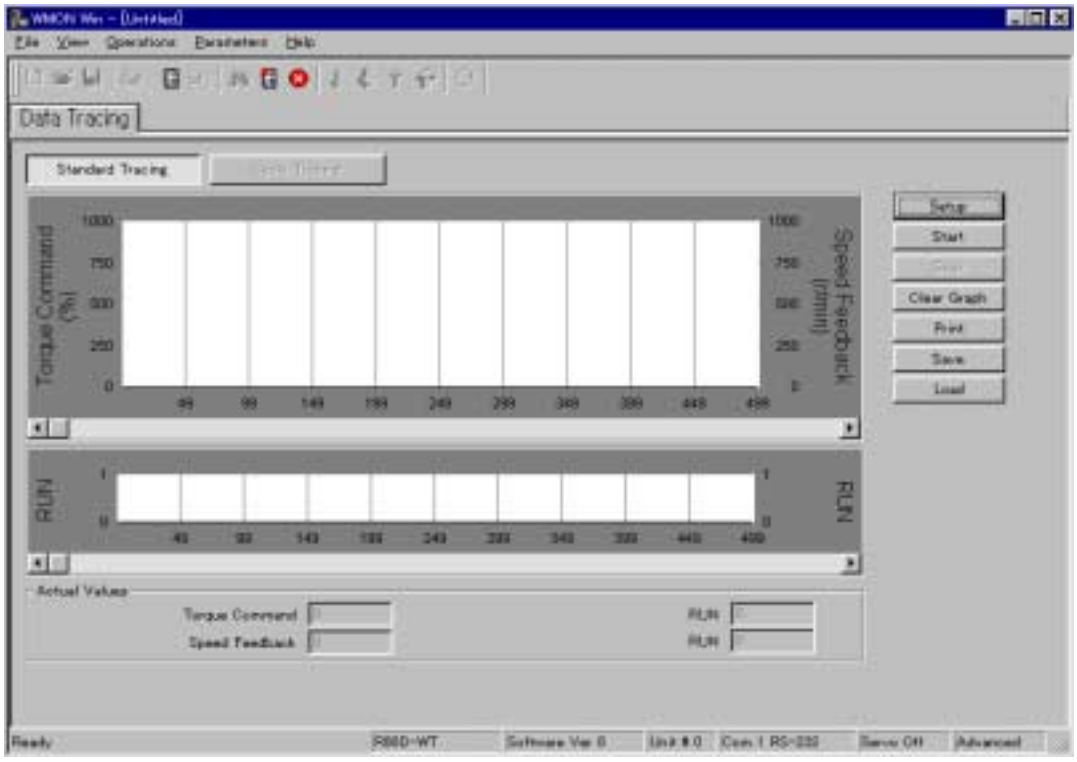
4. It sets JOG speed.
5. It becomes JOG operation mode in case of pushing the "Enable" button of【Mode】and lamp's becoming green.
6. It begins in the turning on at the motor in case of pushing the "Enable" button of【Servo】and lamp's becoming green.
7. The motor turns at the JOG speed at the button. 
8. When ending JOG operation, do 4 - 6 procedures oppositely.

4-7 The corrugated data trace

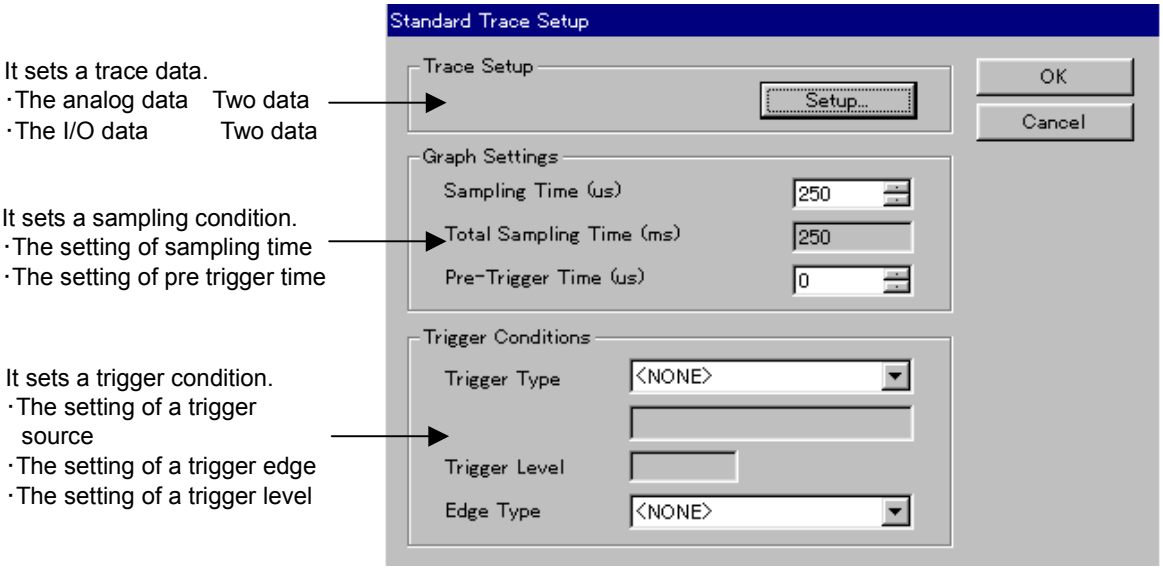
In the data trace window, the operation condition of the servo driver, the servo motor can be monitored in the corrugation.

To monitor, it operates by the following procedure.

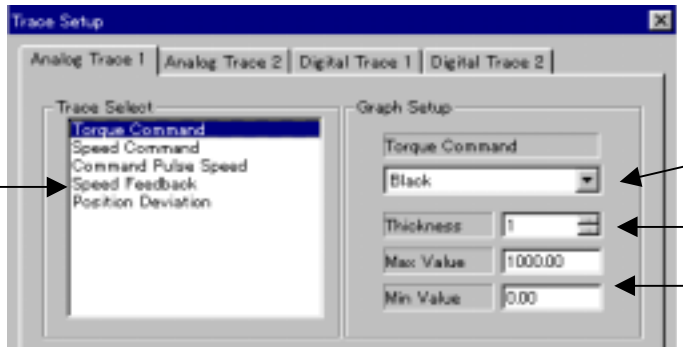
1. It connects with the servo driver by the procedure of " 4-2 Servo driver connection and the connection blocking-off ".
2. Clicks【 the tuning section 】from the【View】menu.
   The following screen is displayed.



3.It clicks【 setting 】and it sets a measurement condition. It clicks【OK】if the setting completes.



The trace data setting



4.When clicking【Start 】, it measures once.

5.When saving a measured corrugation, it clicks【Save】.

When displaying a saving corrugation , it clicks【Load】.

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Error information is displayed when the personal computer monitor software can not function normally when the mistake of the choice item and the communication malfunction occur, and so on.

Dispose of the error information according to the display contents.

Typical error information and a way of disposing are shown.

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■ The installation stopping

The data transfer process error occurred.
-119
The component: DAO
The file The group: DAORegister
The file: C:¥Program Files¥Common Files¥Microdoft Shared¥DAO¥dao350.dll
It is installing DAO file.
46%

A screen is displayed and the installation stops.

【 Defective cause 】

・ Because the other application software installed in the standing condition, it tried to overwrite the dynamic library (the dll file) to be using.

・ Already installed dynamic library (the dll file) Ver. however, it doesn't agree with Ver. which WMON Win tries to overwrite.

【 Handling 】

・ It ends the other starting application software and it installs once again.

・ It doesn't overwrite the file that an error is detected when an address confirmation screen is displayed.

■ The that the communication breaking is done error

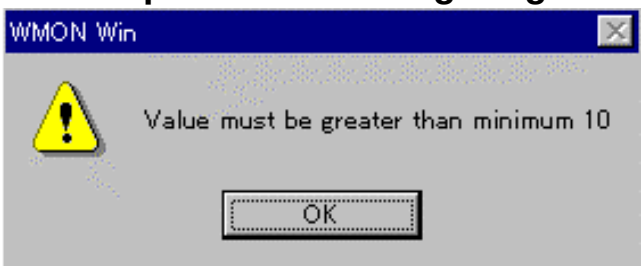
【 Defective cause 】

It occurs when control power typing by the servo driver is OFFd when the connector that a communication cable was broken comes.

【 Handling 】

Confirm the connection of the communication cable, control power typing by the servo driver.

■ The error in the parameter setting range



【 Defective cause 】

It typed a value in the setting range of the parameter.

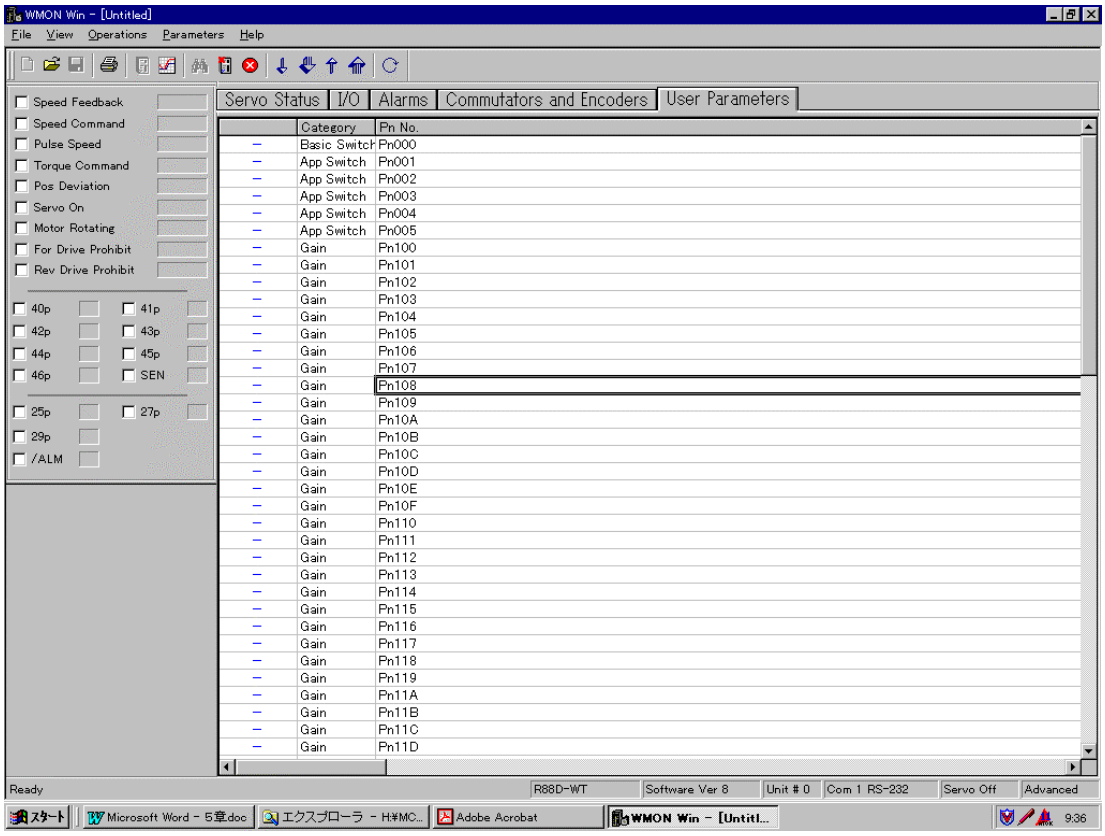
Or, it transmitted the parameter which typed in in the setting range to the servo driver.

【 Handling 】

It types data in the setting range.

■ The parameter editing screen table display width malfunction

The latitude of each display column of the parameter editing screen becomes not able to change expanse display width.



【 Defective cause 】

It installs Japanese version and the English version of WMON Win in the same personal computer and it is because it changed the width of the display column with Japanese version.

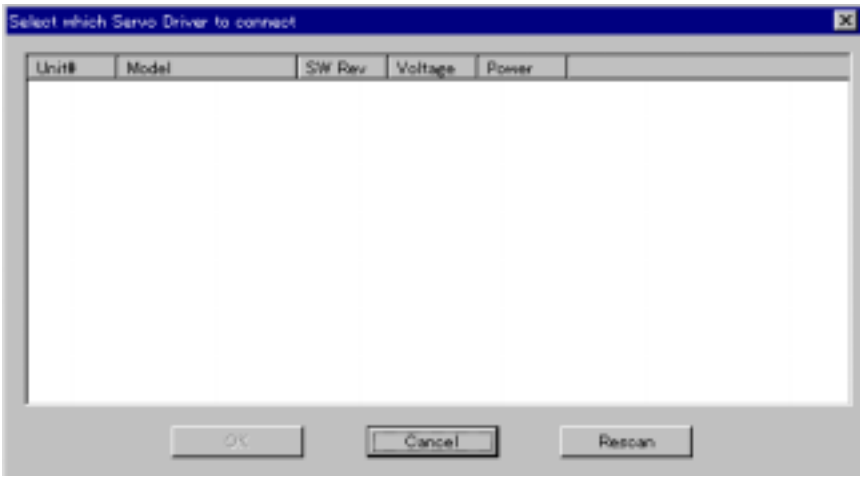
【 Handling 】

Uninstall WMON Win in Japanese version, English version together.

Behind the uninstallation, install only Japanese version or English version either.

■ The parameter editing screen table display width malfunction

The servo driver connects with the monitoring software. But it is not displayed the servo diver in " Select which Servo Driver to connect



【 Defective cause 】

・It occurs when control power typing by the servo driver is OFFd when the connector that a communication cable was broken comes.

・The number machine No. setting by the connecting servo driver and the number machine No. setting by the personal computer monitor software are different.

【 Handling 】

・Confirm the connection of the communication cable, control power typing by the servo driver.

・Adjust number machine No. setting by the servo driver and the setting of the number machine No. of the personal computer monitor software.