NCL-13A MONITORING SOFTWARE

SWM-NCL01M

INSTRUCTION MANUAL

CONTENTS

On this manual ---------- 2
Notice when using SWM-NCL01M ---------- 2
On CD-ROM ---------- 2
1. Preparation before starting the monitoring software SWM-NCL01M ------- 3
1.1 Operating environment ---------- 3
1.2 Installing the software ---------- 6
When the computer is running Windows Me/2000/XP ---------- 7
When the computer is running Windows 98/NT4.0 ---------- 10
1.3 Uninstalling the software ---------- 15
2. Starting and terminating the monitoring software –---------- 18
2.1 Wiring between a personal computer and NCL-13A ---------- 18
2.2 Starting the monitoring software ---------- 20
2.3 Displays and operation of the monitoring software ---------- 22
2.3.1 Displays
(1) Main display ---------- 22
(2) 1 channel display ---------- 24
(3) Setting display ---------- 25
(4) Chart display ---------- 26
(5) Chart plot condition setting display ---------- 27
(6) Logging display ---------- 28
(7) All channels display ---------- 30
2.3.2 Menu bar operation
(1) Printer selection ---------- 33
(2) Printing ---------- 33
(3) Terminating the monitoring software ---------- 33
(4) Channel name registration ---------- 34
(5) Alarm color setting ---------- 34
(6) Setting value Save/Load per channel ---------- 35
(7) Setting value Save/Load for all channels ---------- 37
(8) Alarm history display ---------- 38
(9) Help display ---------- 39
(10) Version information display ---------- 39

Shinko

On this manual

This manual explains how to install SWM-NCL01M monitoring software.
In this manual, Windows XP is used for purposes of explanation, however, other operating systems (Windows 98/NT4.0/2000/XP) are applicable as well.

Notice when using SWM-NCL01M

==========

Shinko software: Terms of use

==========

1. License
   (1) This software can only be used upon accepting Terms of Use.
   Please read carefully these Terms of Use before using this software.
   (2) You may not reverse engineer, decompile or disassemble the software.
2. Copyright
   The copyright for this software belongs to Shinko Technos Co., Ltd.
3. Limitation of usage
   You may not rent, lease or lend this software.
4. Photocopy of the software
   It is against the law to photocopy the software on any medium.
5. Disclaimers
   (1) Shinko Technos Co., Ltd makes no warranty regarding the use of this software.
   Users are liable for any problems occurring from the use of this software.
   (2) Shinko Technos Co., Ltd is not liable for any damages, whether direct, indirect, special, incidental, or consequential (including loss of business profits, business interruption, or any other pecuniary loss), as a result of using this software, even when Shinko Technos Co., Ltd has been informed of the possibility of the damage.

==========

On CD-ROM

• In the CD-ROM, the following files are included.
The information on installation method of SWM-NCL01M monitoring software is contained in the following file.
Install_E.txt/ Install_J.txt

The information on usage license and copyright of SWM-NCL01M monitoring software is contained in the following file.
Readme_E.txt/Readme_J.txt-

The following is the file for installing SWM-NCL01M monitoring software.
For Windows Me/2000/XP, use this file.
SWM-NCL01M_Vxxx.msi [in Win2000 folder]

The following is the file for installing SWM-NCL01M monitoring software.
If the software cannot be installed using the file mentioned above (SWM-NCL01M_Vxxx.msi), use this file. For Windows 98/NT4.0, use this file as well.
setup.exe [in Win98-English/Win98-Japanese folder]

• Windows 98/Me/NT4.0/2000/XP are registered trademarks of Microsoft Corporation.

1. Preparation before starting the monitoring software SWM-NCL01M

1.1 Operating environment

NCL-13A monitoring software ”SWM-NCL01M” will run under the following system requirements.

- **Personal computer**

  Personal computer which is running Windows

  - RS-232C interface equipment (COM1 or COM2)
  - Hard disk, 50 Megabytes or more of space available
  - CD-ROM drive equipped

- **Operating system**

  Windows XP Home Edition (English)
  Windows XP Professional (English)
  Windows 2000 Professional (English)
  Windows Me (English)
  Windows NT4.0 (English)
  Windows 98 (English)

- **Display**

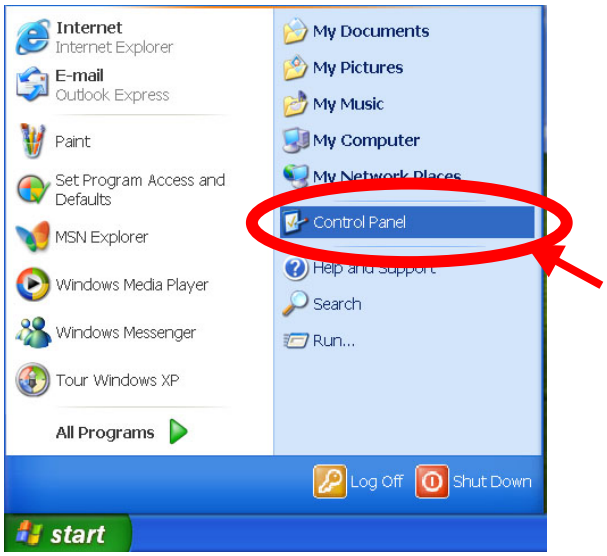
  Resolution, 800 x 600 dots or more
  Use “Normal fonts”.
  To set up the font, refer to pages 3 to 6.

● **How to set up the font size**

To change the font from large to normal, follow the procedures below.

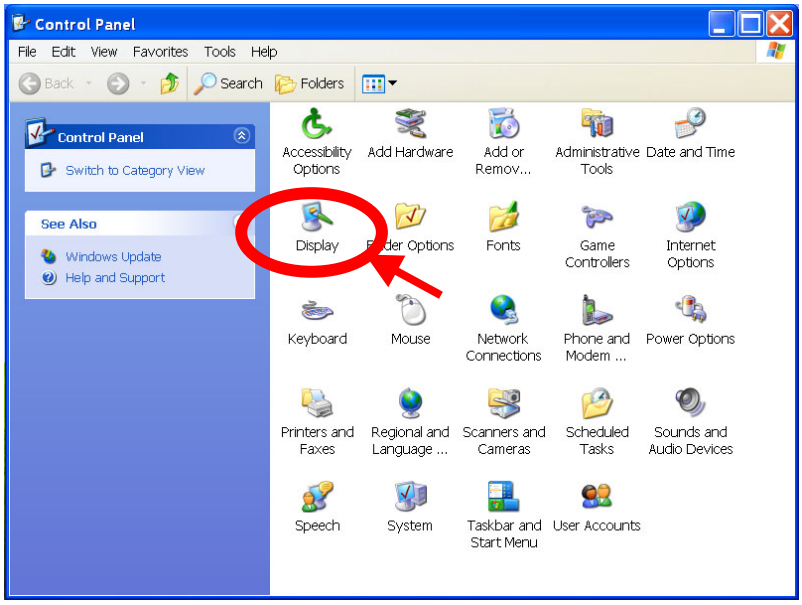
(1) Close all applications which are running.

Select [All Programs] – [Control Panel], and click.



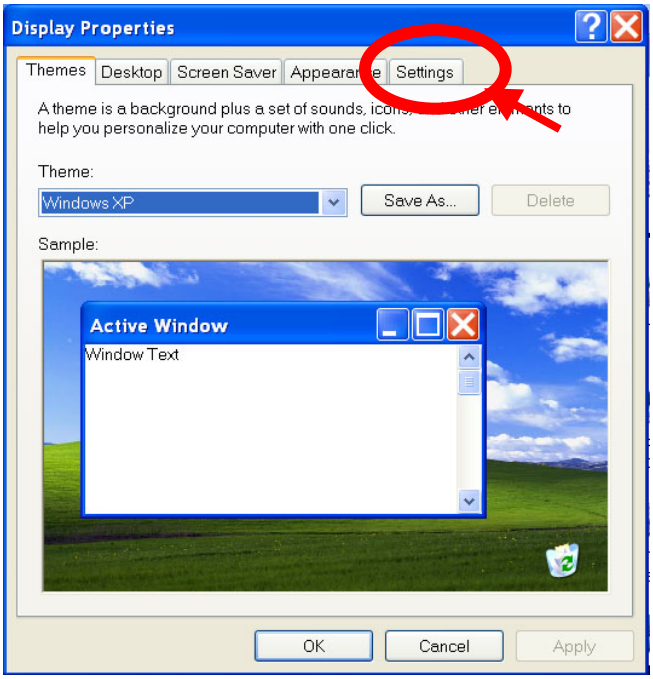
(Fig. 1.1-1)

(2) Double click on the icon [Display].



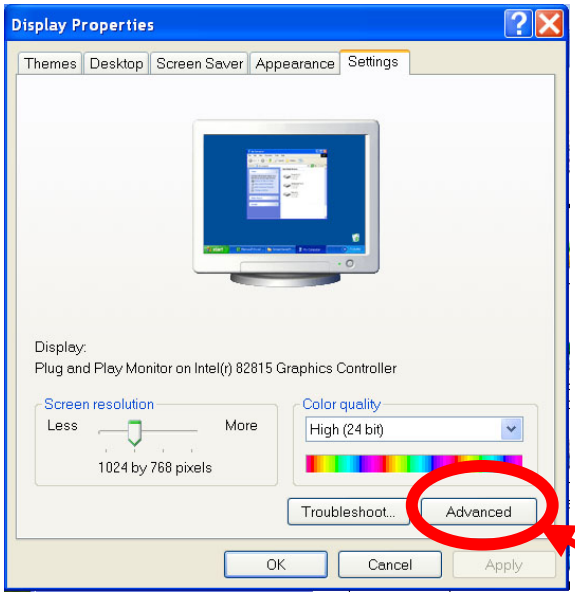
(Fig. 1.1-2)

(3) Click [Settings].



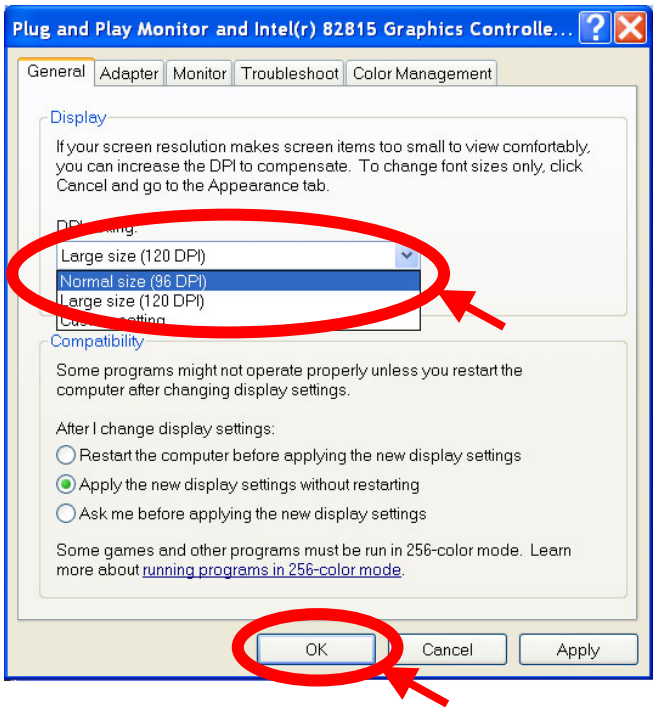
(Fig. 1.1-3)

(4) Click [Advanced].



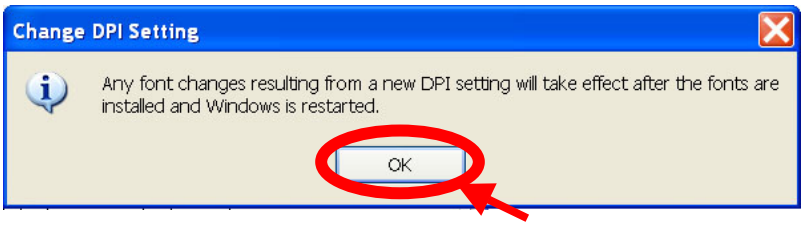
(Fig. 1.1-4)

(5) Select “Normal size (96 DPI)” and click [OK].



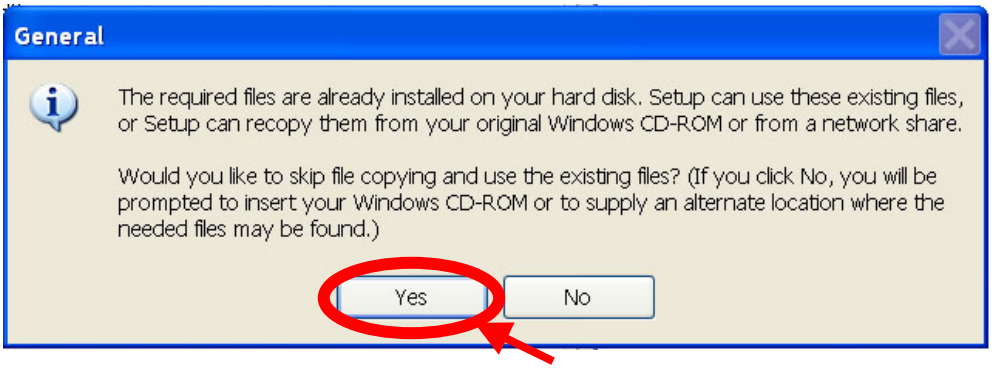
(Fig. 1.1-5)

(6) Click [OK].



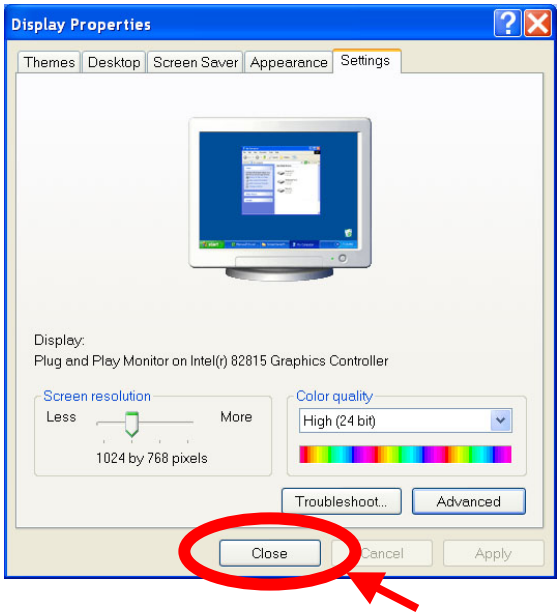
(Fig. 1.1-6-1)

Click [Yes].



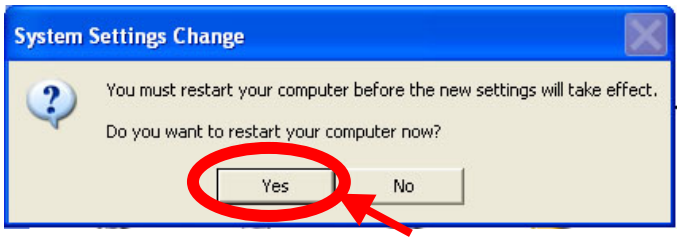
(Fig. 1.1-6-2)

(7) Click [Close].



(Fig. 1.1-7)

(8) Click [Yes].



(Fig. 1.1-8)

(9) After restarting the system, the font will be set to “Normal size”.

1.2 Installing the software

Before installing, close all applications which are running.
Set the font to “Normal size”. (See pages 3 to 6)

The installation of monitoring software “SWM-NCL01M” is assumed that the installation file has been successfully downloaded and decompressed into **D drive**.
The personal computer used here has the following drive configuration.
Designate a drive in accordance with your operating environment.

A drive : Floppy disk
C drive : Hard disk
D drive : Hard disk
E drive : CD-ROM

In the CD-ROM, 2 installation files are included as shown below.

The following is the file for installing SWM-NCL01M.

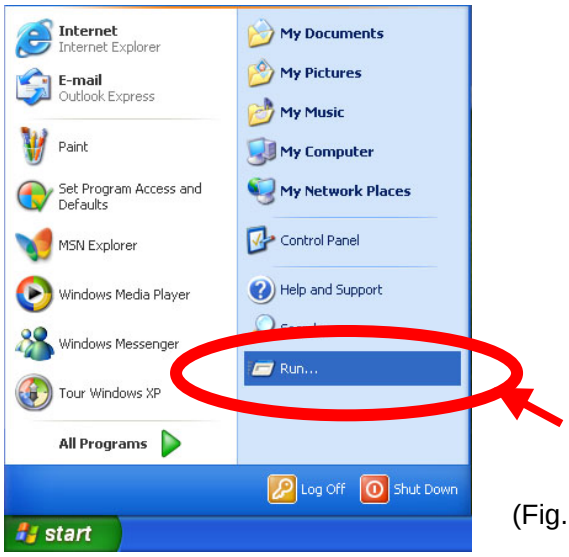
- **SWM-NCL01M_Vxxx.msi** [in Win2000 folder]
  For Windows Me/2000/XP, use this file.
  For installation, see pages 7 to 10.

The following is the file for installing SWM-NCL01M.

- **setup.exe** [in Win98-English/Win98-Japanese folder]
  For Windows 98/NT4.0, use this file.
  This file is also used when it is impossible to install SWM-NCL01M with the file **SWM-NCL01M_Vxxx.msi** above.
  For installation, see pages 10 to 14.

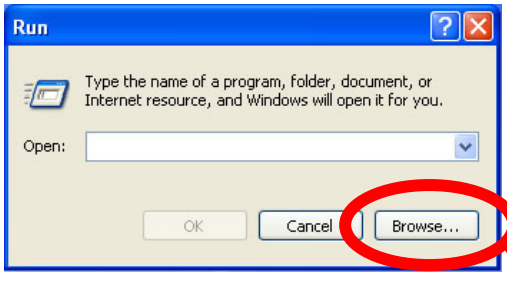
When the computer is running Windows Me/2000/XP

(1) Select [RUN...] on the start menu and click it.



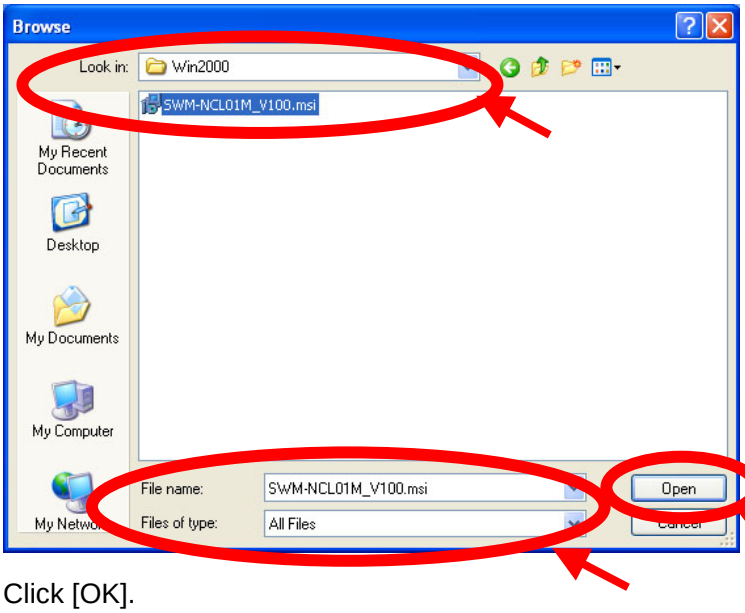
(Fig. 1.2-1)

(2) Click [Browse...].



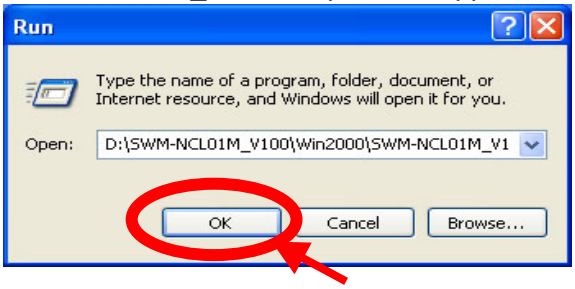
(Fig. 1.2-2)

(3) Select “D” drive and “SWM-NCL01M_Vxxx.msi” - “Win2000” from [Look in].
Select “All Files” from Files of type.
The file SWM-NCL01M_Vxxx.msi will appear, then select this file and click [Open].



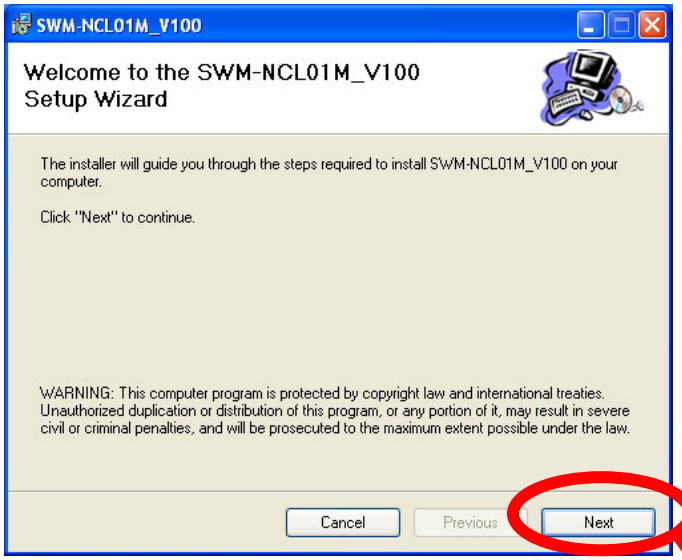
(Fig. 1.2-3)

(4) Click [OK].
SWM-NCL01M_Vxxx setup wizard appears.



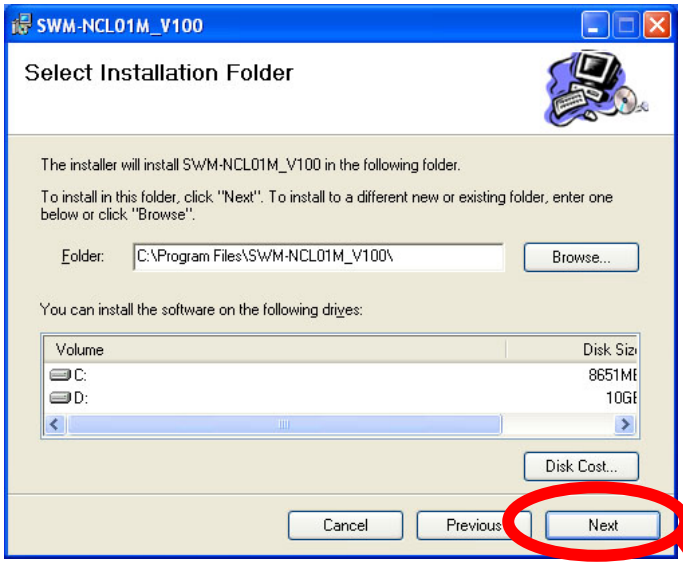
(Fig. 1.2-4)

(5) Click [Next].
To cancel installation, click [Cancel].



(Fig. 1.2-5)

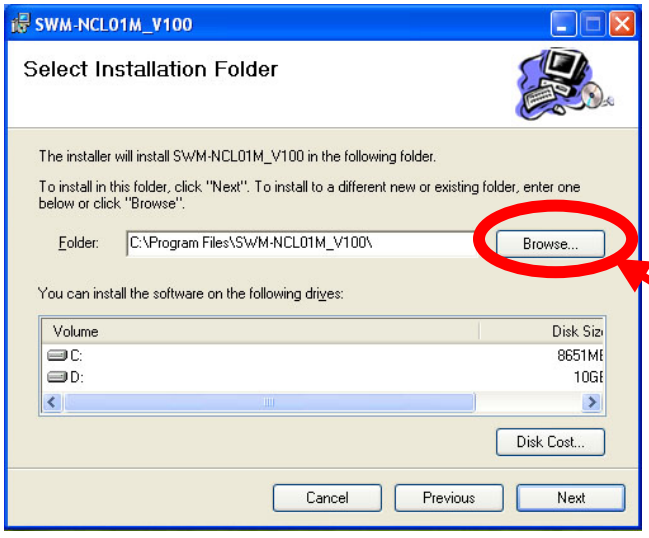
(6) Confirm the name of the drive and folder (directory) for installation destination.
"C:\Program Files\SWM-NCL01M_Vxxx\" has been already designated for installation as default.
If this designation is OK, click [Next].
To cancel the installation, click [Cancel].
To return to the previous screen, click [Previous].



(Fig. 1.2-6)

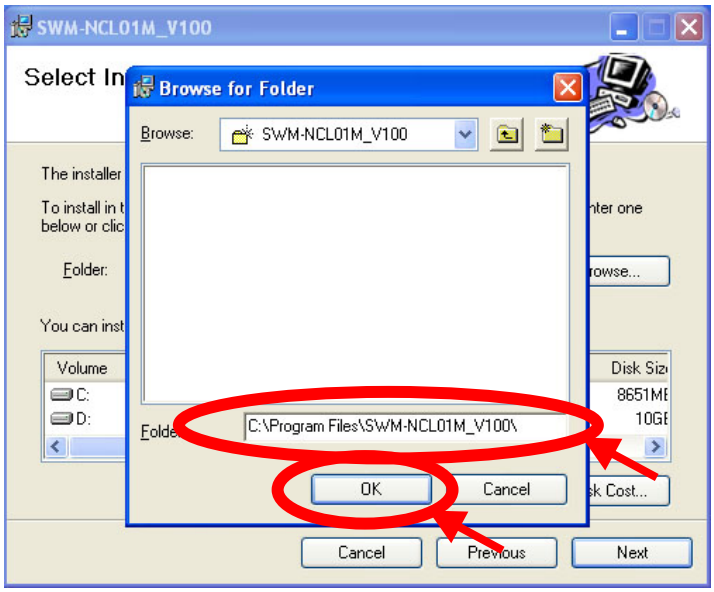
Displays for changing the installation destination

To change the installation destination, click [Browse].



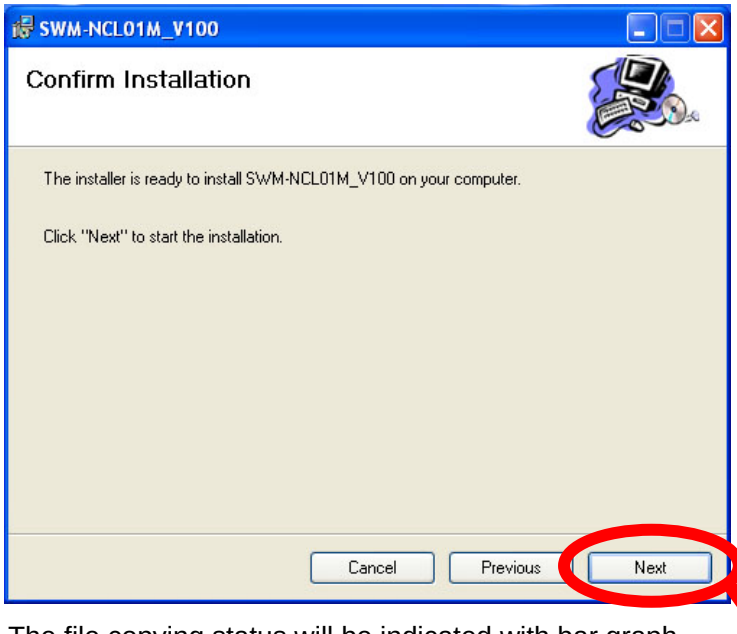
(Fig. 1.2-7)

Designate the name of drive and folder (directory) and click [OK].
To revert to the previous display without selecting, click [Cancel].



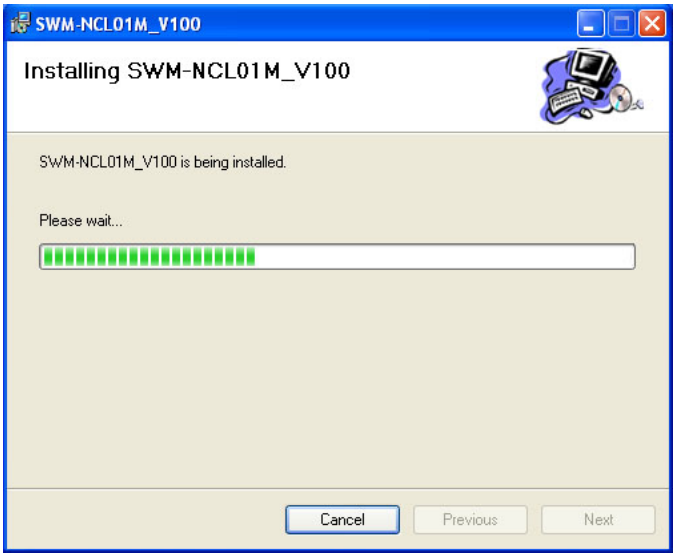
(Fig. 1.2-8)

(7) The screen for confirming installation appears.
Click [Next].
To cancel installation, click [Cancel].
To revert to the previous screen, click [Previous].



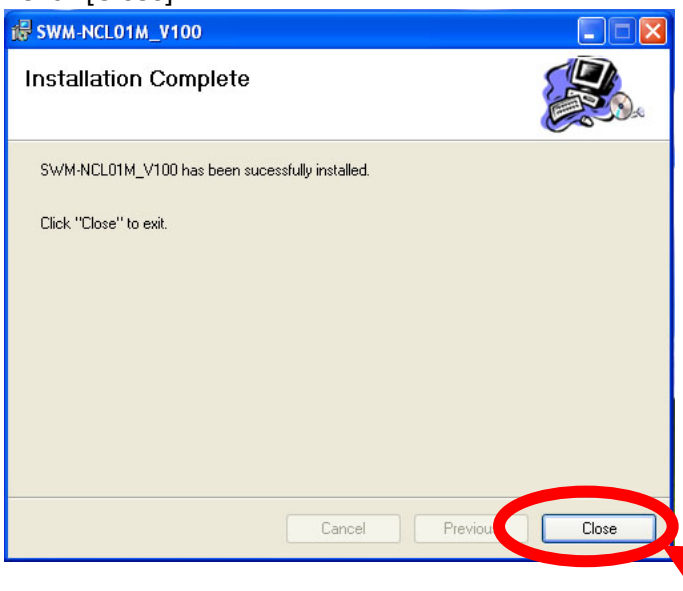
(Fig. 1.2-9)

(8) The file copying status will be indicated with bar graph.
To cancel installation, click [Cancel].



(Fig. 1.2-10)

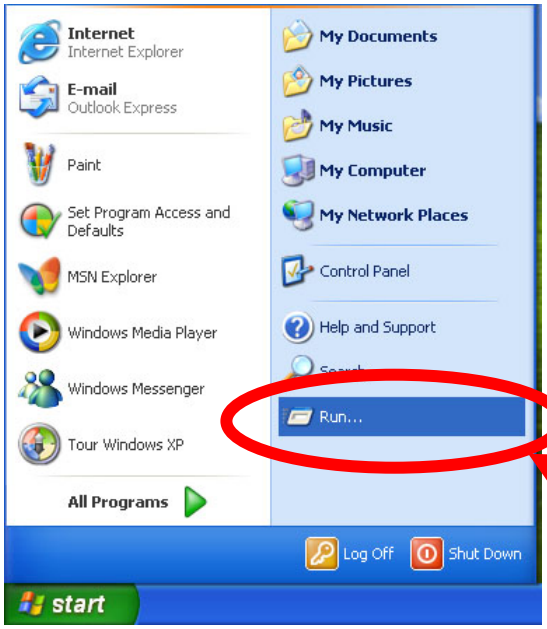
(9) When installation is complete, the following display will appear.
Click [Close].



(Fig. 1.2-11)

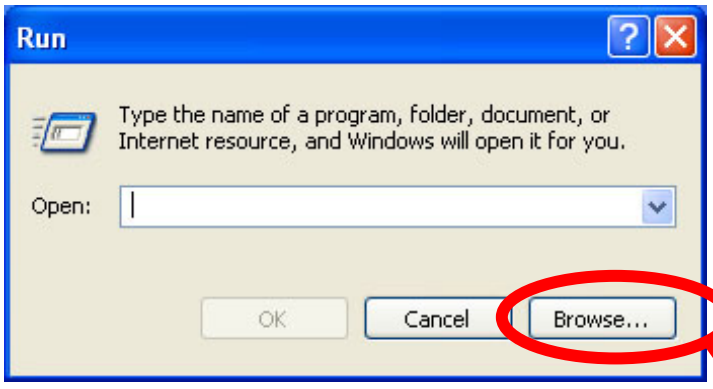
When the computer is running Windows 98/NT4.0

(1) Select [Run…] and click on it.



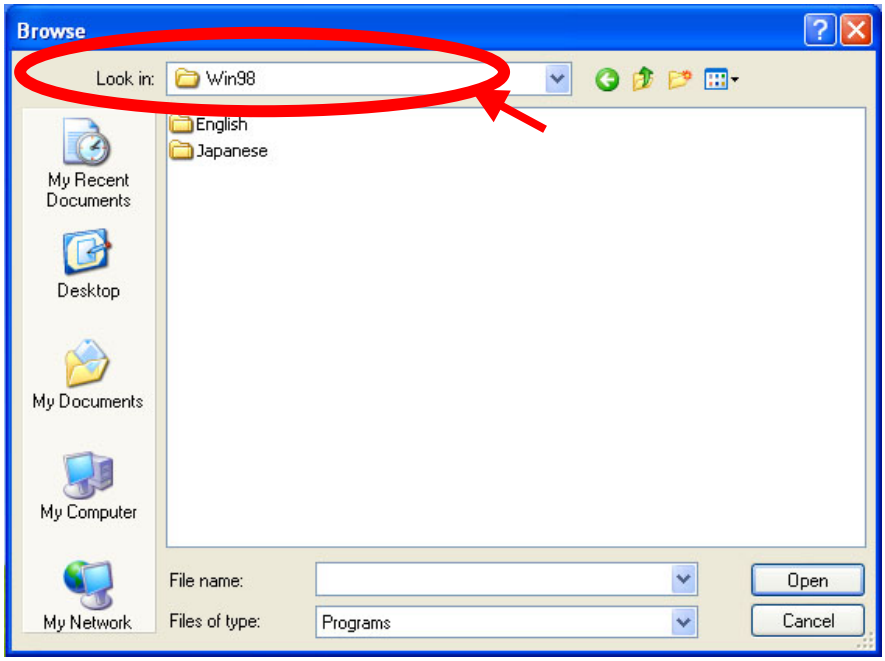
(Fig. 1.2-12)

(2) Click [Browse...].



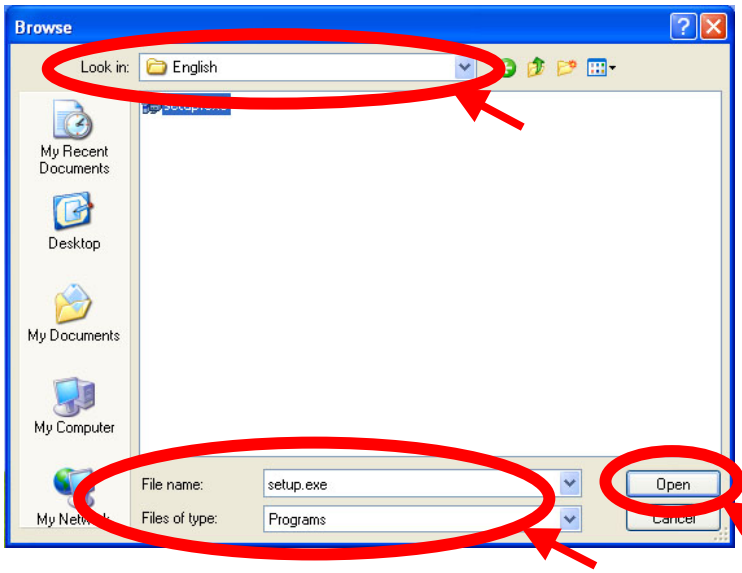
(Fig. 1.2-13)

(3) Select “D” drive and “SWM-NCL01M_Vxxx” - “Win98” folder from [Look in].



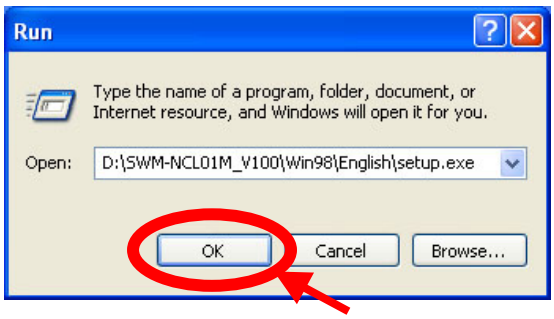
(Fig. 1.2-14)

(4) Select “English” folder.
The setup file (setup.exe) will appear. Select this file and click [Open].



(Fig. 1.2-15)

(5) Click [OK].
SWM-NCL01M_Vxxx setup wizard appears.



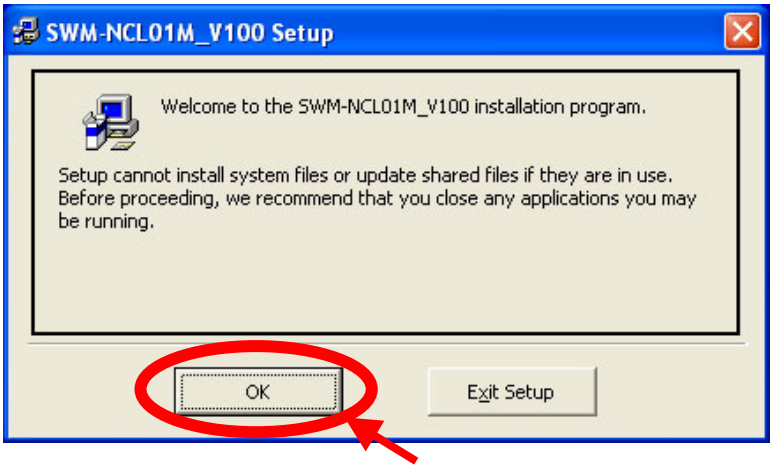
(Fig. 1.2-16)

(6) While the setup file is being copied, the following screen appears.



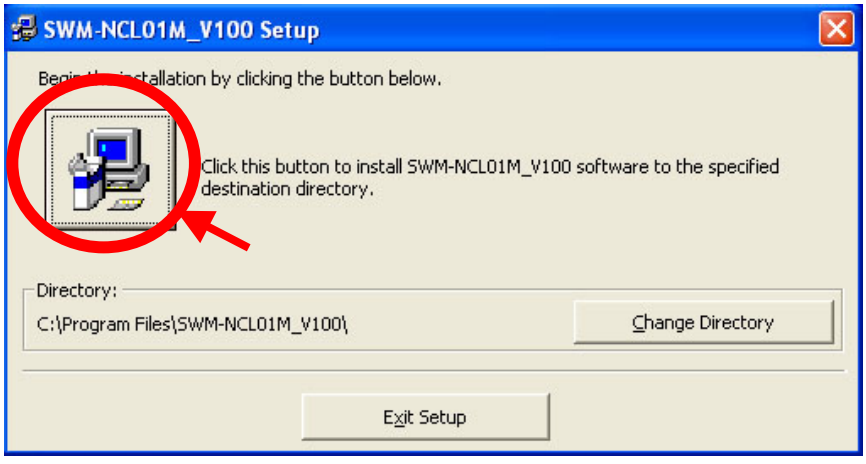
(Fig. 1.2-17)

(7) Click [OK].
To cancel installation, click on the [Exit Setup].



(Fig. 1.2-18)

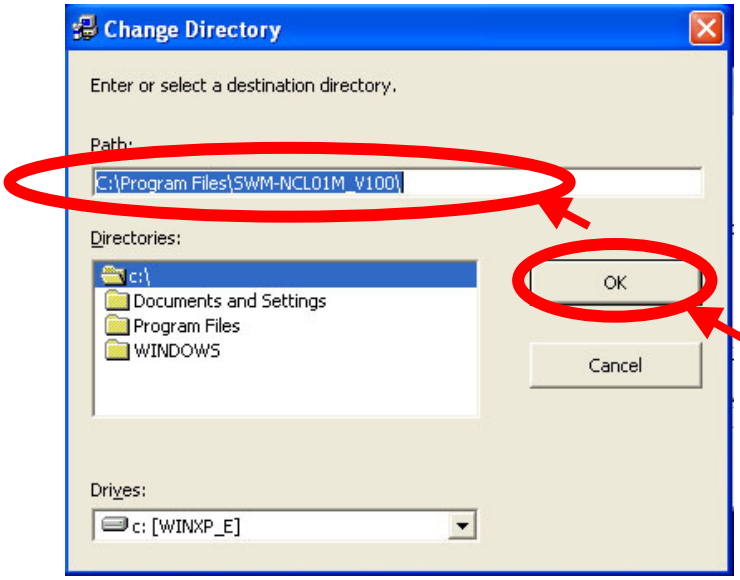
(8) Confirm the name of the drive and folder (directory) for installation destination.
"C:\Program Files\SWM-NCL01M_Vxxx\" has been already designated for installation as default.
If this designation is OK, click the icon.
To change the installation destination, click on the [Change Directory].
To cancel installation, click on the [Exit Setup].



(Fig. 1.2-19)

Displays for changing the installation destination

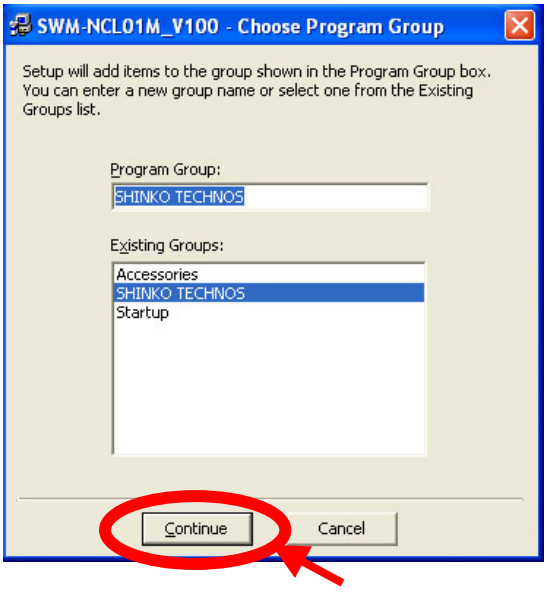
Designate the name of drive and folder (directory) and click [OK].
To revert to the previous display without selecting, click [Cancel].



(Fig. 1.2-20)

(9) Select a program group for monitoring software.

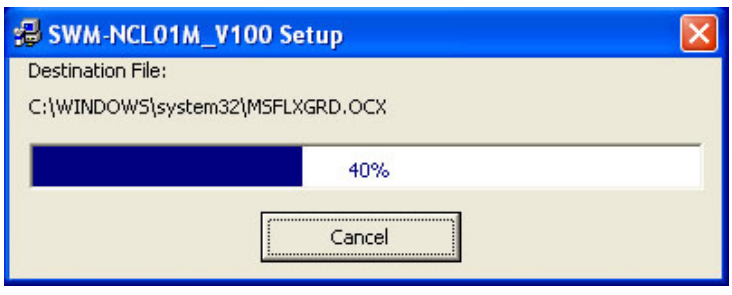
SHINKO TECHNOS group has been designated as default.
If this group is OK, click [Continue].
To change the group name, enter a new group name or select one from the existing group list.
To cancel installation, click [Cancel].



(Fig. 1.2-21)

(10) The file copying status will be indicated with bar graph.

To cancel installation, click [Cancel].



(Fig. 1.2-22)

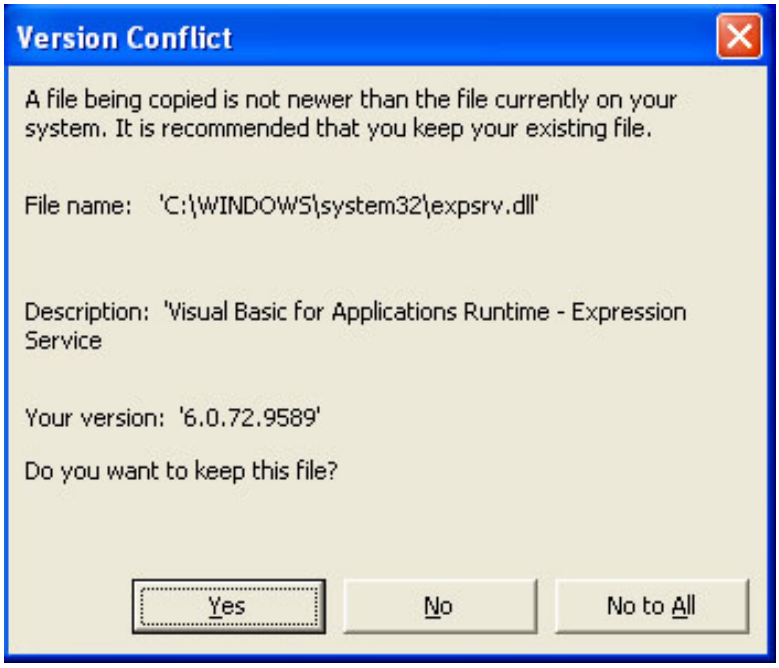
(11) When installation is complete, the following screen will appear.
Click [OK].



(Fig. 1.2-23)

Error message during installation

During installation, the following display will sometimes appear depending on the operating system.
This is because the file being copied is older than the file in the system or they are of the same date.
To keep the current file, click [Yes]. Installation will continue.

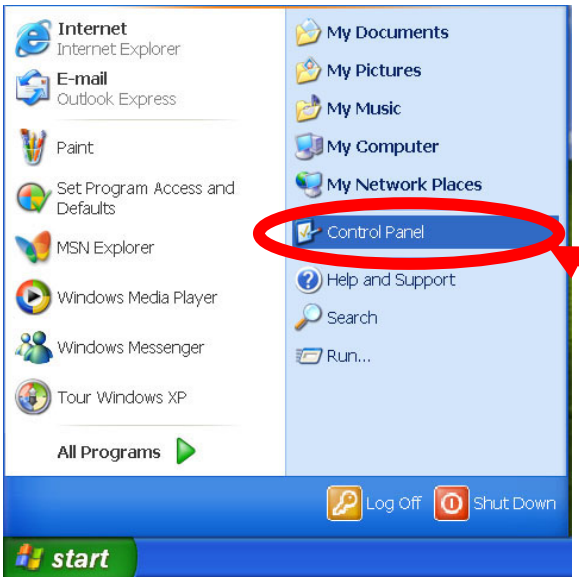


(Fig. 1.2-24)

1.3 Uninstalling the software

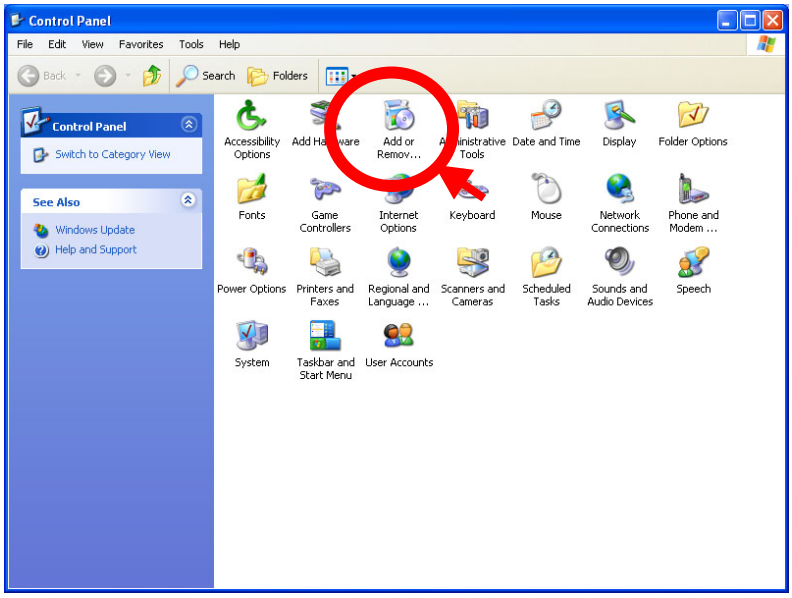
The procedures to uninstall the related files of the monitoring software “SWM-NCL01M” from the hard disk are described as follows.

(1) Select [All Programs] on the start menu – [Control Panel], and click.



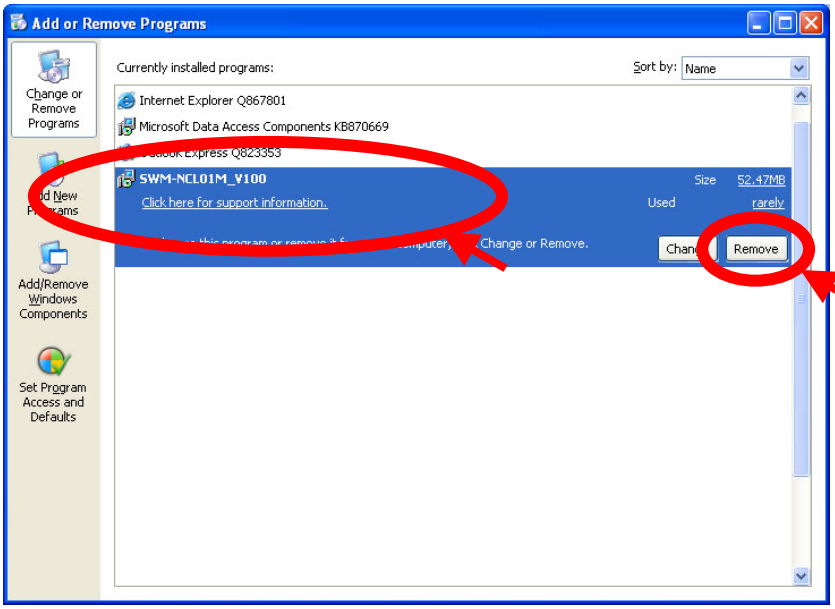
(Fig. 1.3-1)

(2) Double-click on the icon [Add or Remove Programs].



(Fig. 1.3-2)

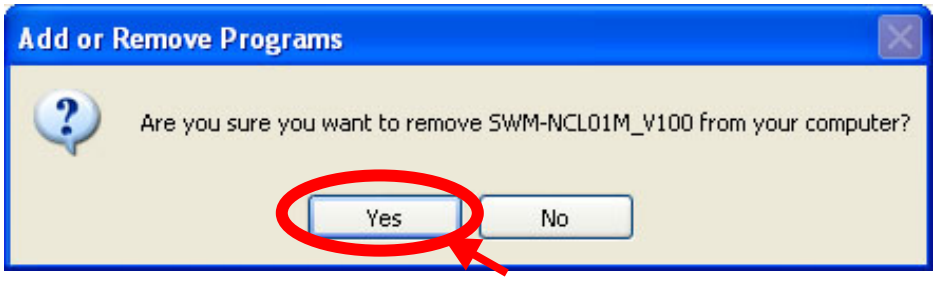
(3) Click or select “SWM-NCL01M_Vxxx” in the application list, and click [Remove].



(Fig. 1.3-3)

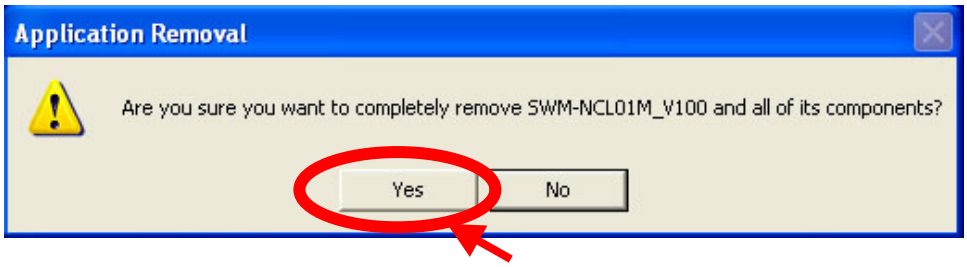
(4) The dialog box to confirm the removal will appear.
Click [Yes].

When installed with "SWM-NCL01M_Vxxx.msi"



(Fig. 1.3-4-1)

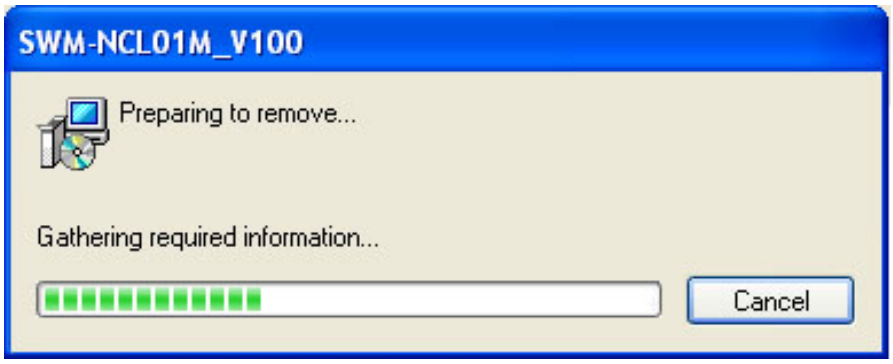
When installed with "setup.exe"



(Fig. 1.3-4-2)

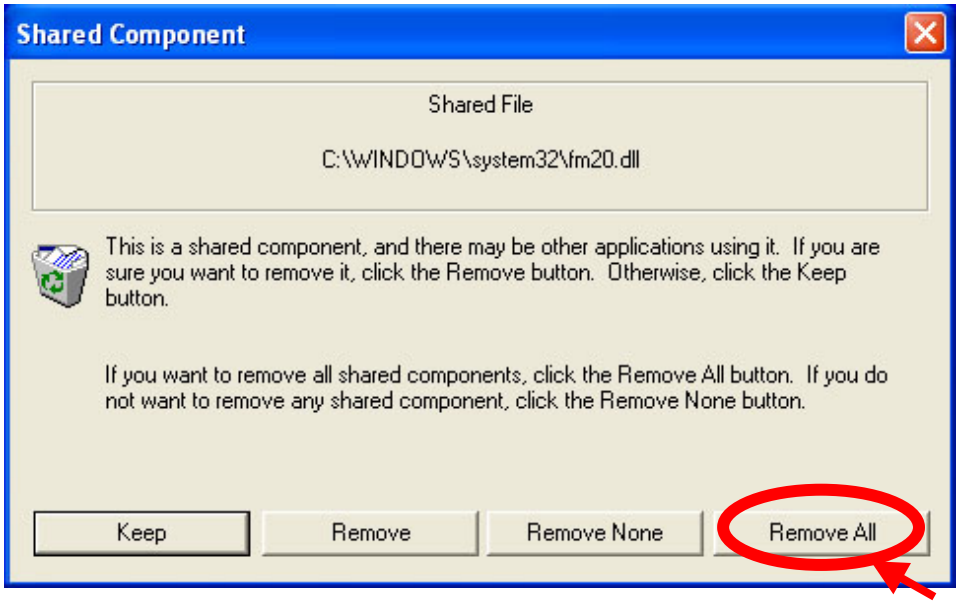
(5) The file uninstalling status will be indicated with bar graph.
To cancel uninstalling the software, click [Cancel].

When installed with "SWM-NCL01M_Vxxx.msi"



(Fig. 1.3-5-1)

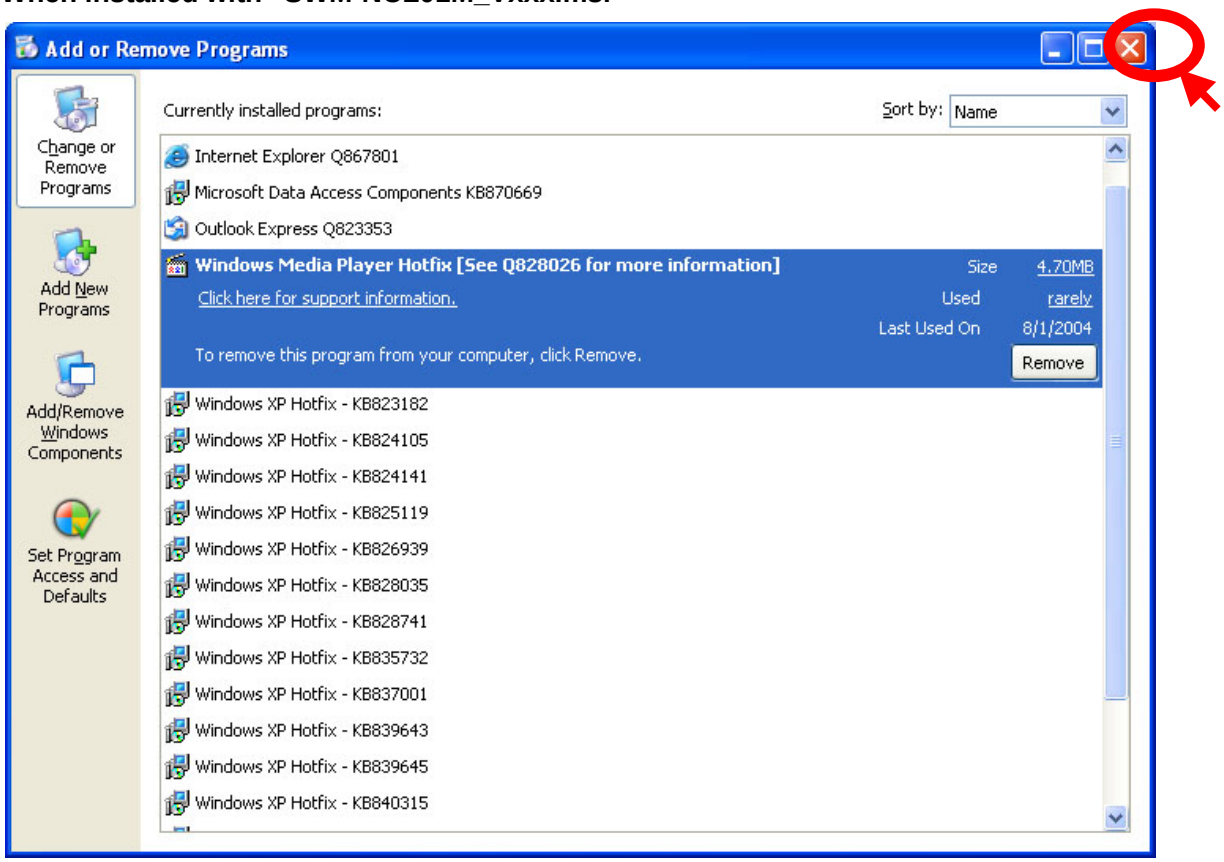
When installed with "setup.exe"



(Fig. 1.3-5-2)

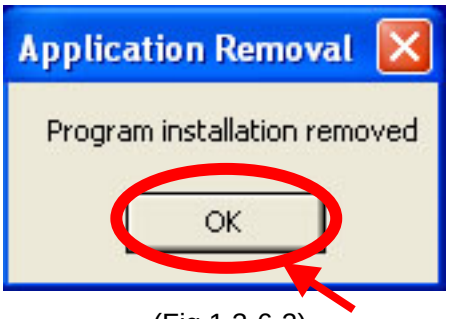
(6) If uninstalling the software is completed normally, the following display will appear.
When installed with “SWM-NCL01M_Vxxx.msi”, click [x] in the upper right corner of the window.
When installed with “setup.exe”, click [OK].

When installed with “SWM-NCL01M_Vxxx.msi”



(Fig.1.3-6-1)

When installed with “setup.exe”



(Fig.1.3-6-2)

2. Starting and terminating the monitoring software

2.1 Wiring between a personal computer and NCL-13A

For wiring between a personal computer and the NCL-13A, refer to “Wiring” of the instruction manual for the NCL-13A.

⚠ Notice

Before starting the Monitoring software, check the following points, referring to the “Setup” in the instruction manual for NCL-13A.

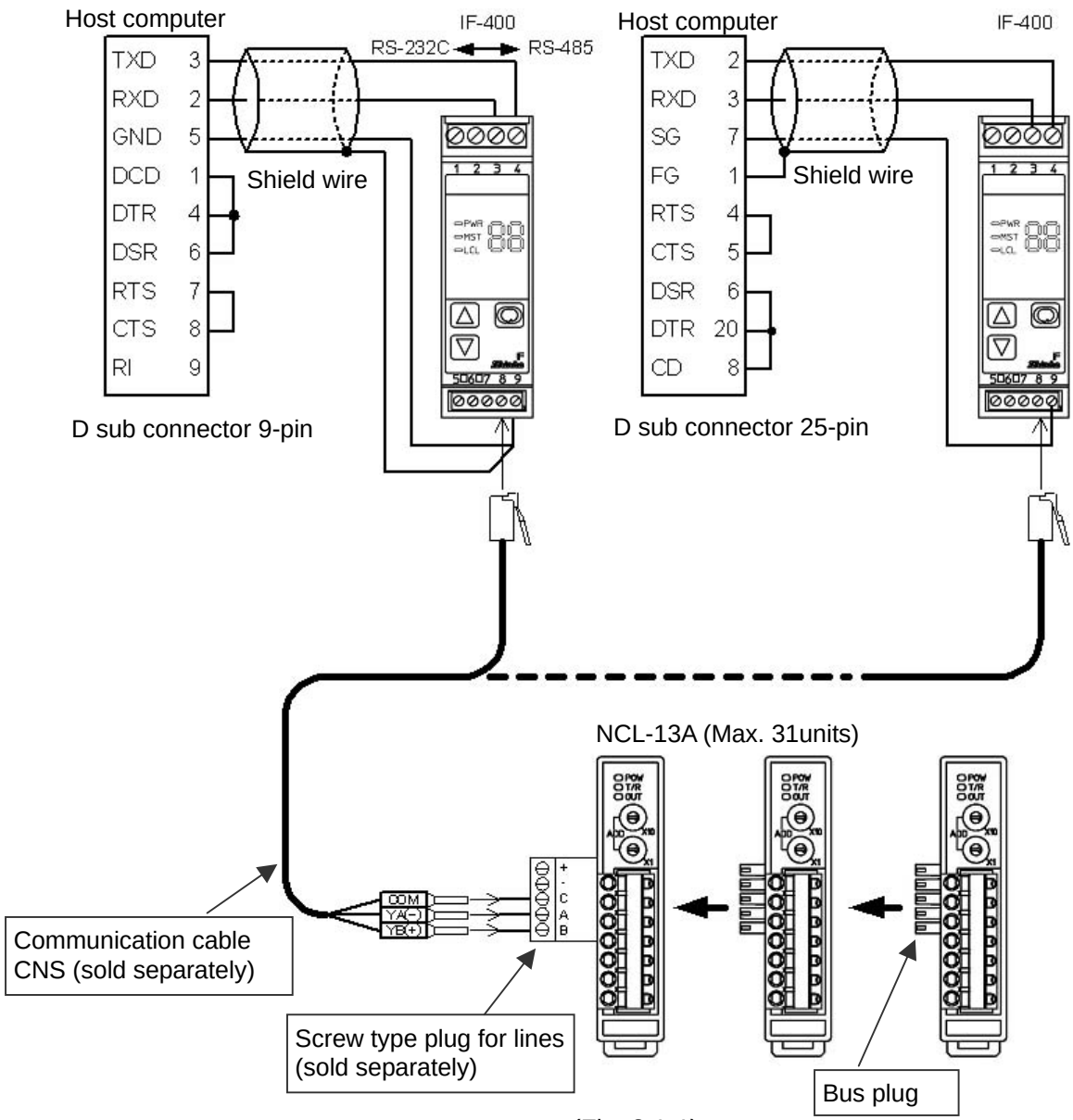
(1) The instrument numbers must begin from “0” in sequence. If not, the software cannot start.
(e.g.) When connecting three NCL-13A units, the instrument numbers must be 0, 1 and 2.

(2) Set the communication speed in accordance with the personal computer and communication converter (19200bps is recommended).

● **Wiring example 1**

When the IF-400 is used as a communication converter, a maximum of 31 units of the NCL-13A can be connected.

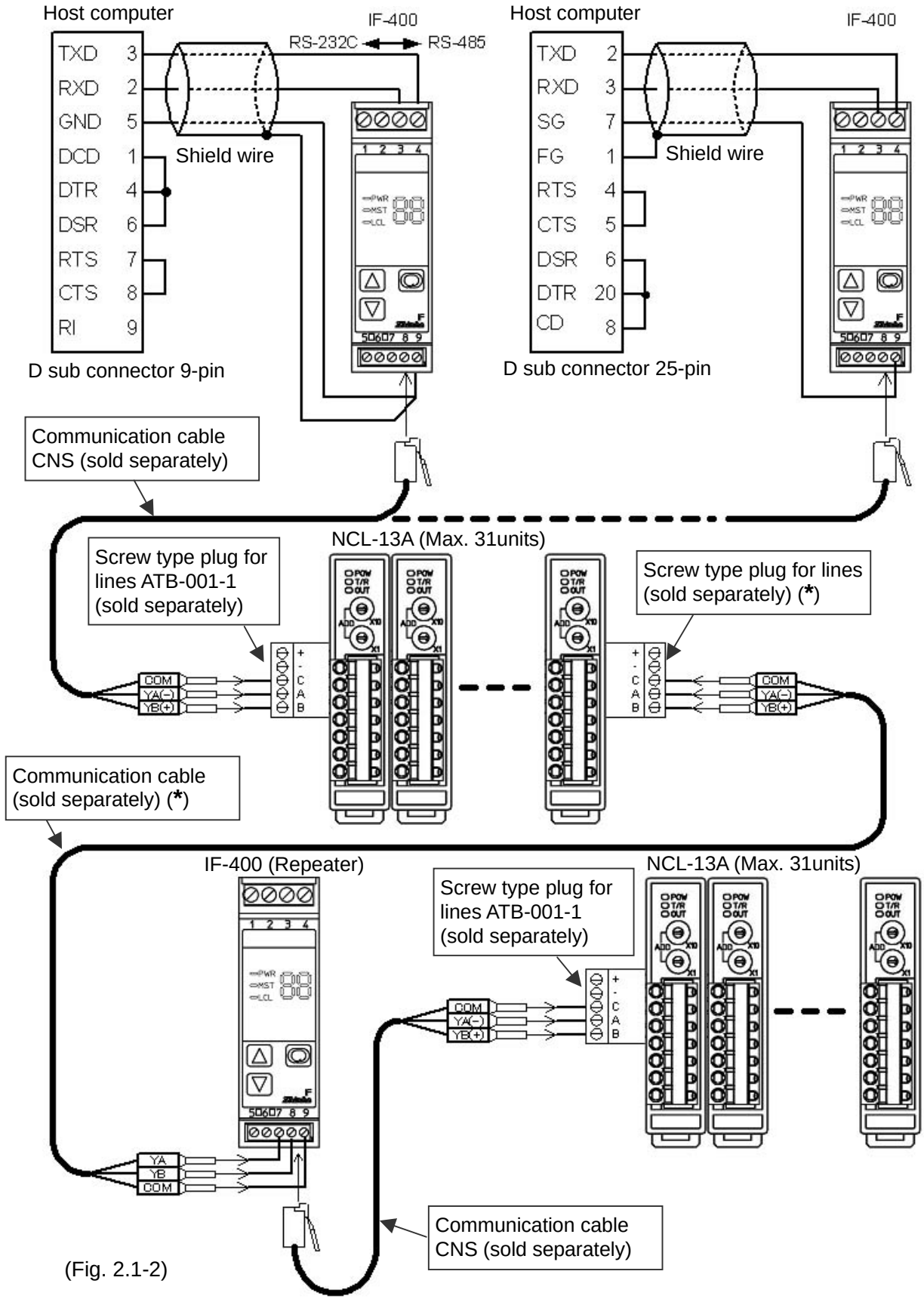
[When using D sub connector 9-pin] **[When using D sub connector 25-pin]**



(Fig. 2.1-1)

● **Wiring example 2**

When the IF-400 is used as a repeater, more than 32 units of the NCL-13A can be connected.
Communication line can be extended more than 1.2km.
Up to 3 units of repeater can be used, therefore, up to 95 units of controllers can be connected.
(Communication line: Max. 4.8km)



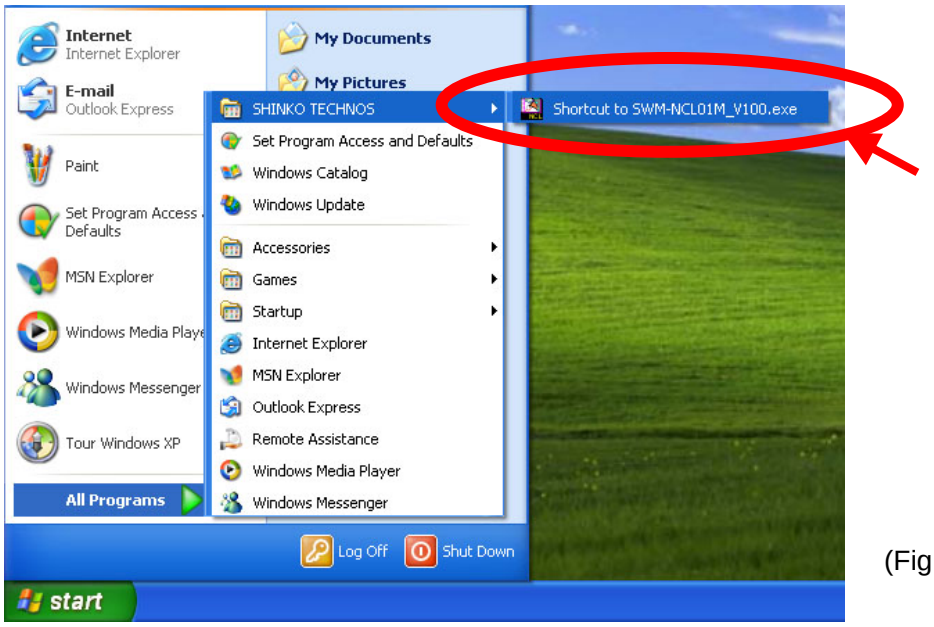
(Fig. 2.1-2)

(*) For the screw type plug for lines and the communication line in order to connect the NCl-13A to the IF-400 (repeater), contact us or our dealers.

2.2 Starting the monitoring software

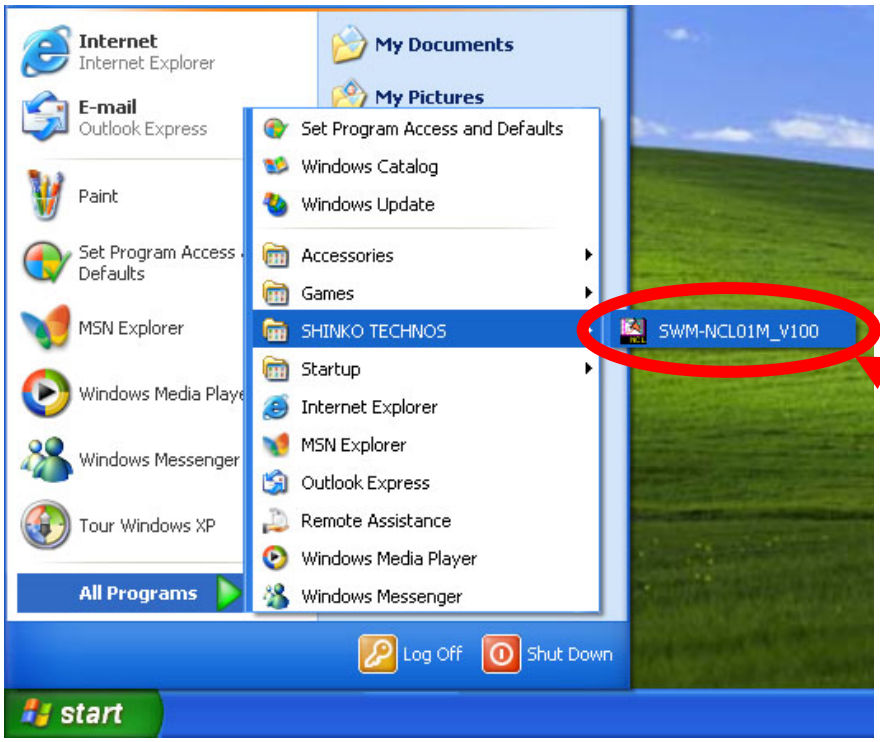
(1) Confirm that the communication cable has been connected to communication port of the personal computer.

When installed with [SWM-NCL01M_Vxxx.exe], select [SHINKO TECHNOS] on the start menu – [Shortcut to SWM-NCL01M_Vxxx.exe], and click.



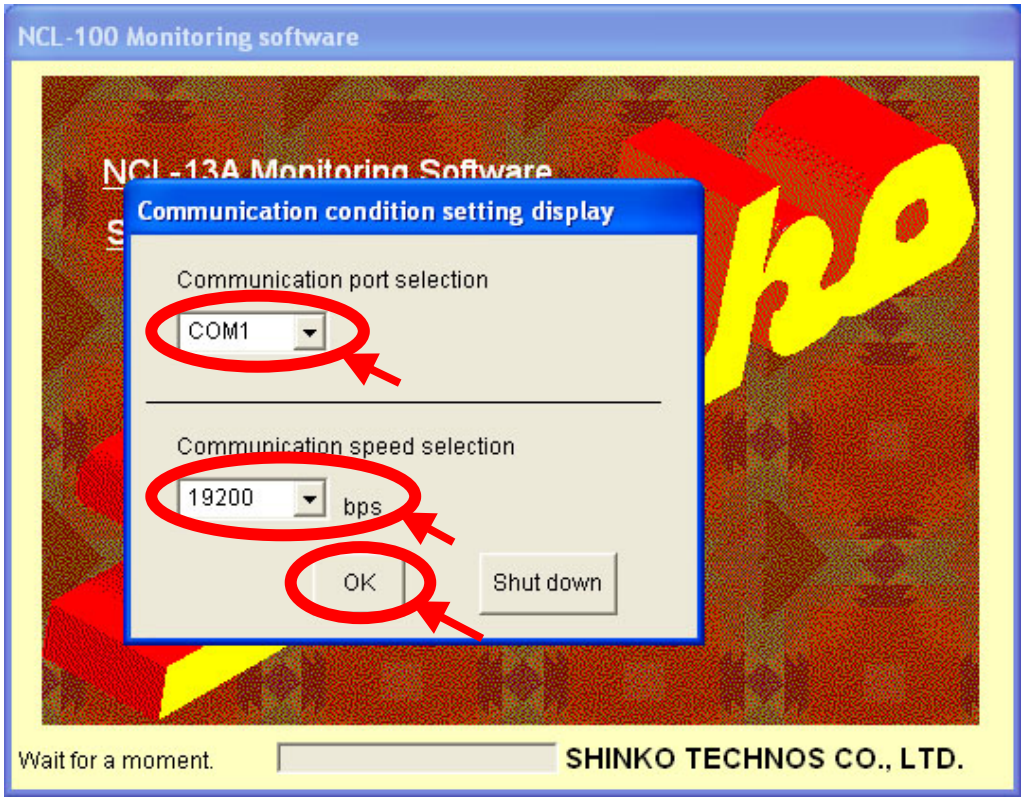
(Fig. 2.2-1)

When installed with [setup.exe], select [All Programs] on the start menu – [SHINKO TECHNOS] – [SWM-NCL01M_Vxxx], and click.



(Fig. 2.2-2)

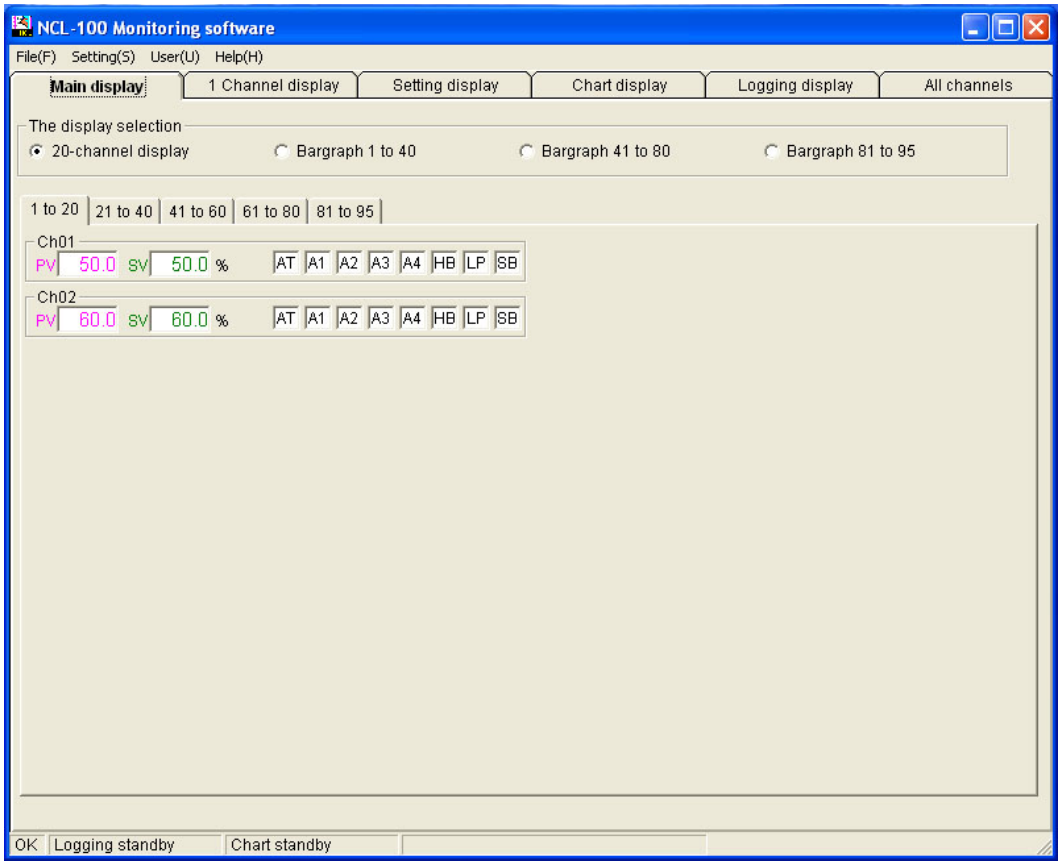
(2) The monitoring software opening display will appear, and NCL-13A data will be read.
If Communication condition setting display appears, select the communication port and speed, then click [OK].



(Fig. 2.2-3)

(3) The monitoring software will start.

Main display



(Fig. 2.2-4)

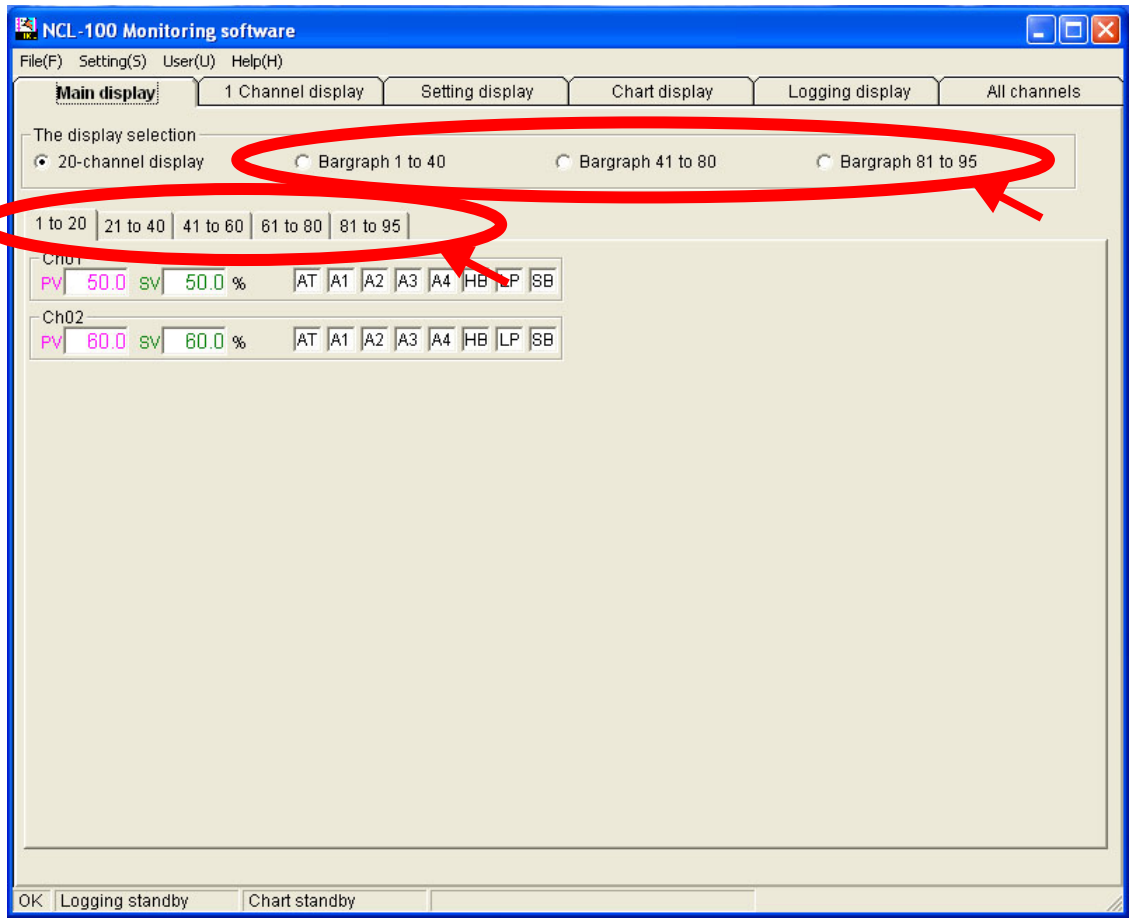
2.3 Displays and operation of the monitoring software

2.3.1 Displays

Displays can be switched by clicking the tab.

(1) Main display

PV, SV and Alarm status of the NCL-13A can be monitored every 20 channels.
Only the connected units are indicated.
Up to 95 channels can be indicated.
If either Alarm 1, 2, 3 or Alarm 4 is activated, the alarm will be indicated in the color set during Alarm color setting mode (p.34 to 35).
Other alarms will be indicated in red.



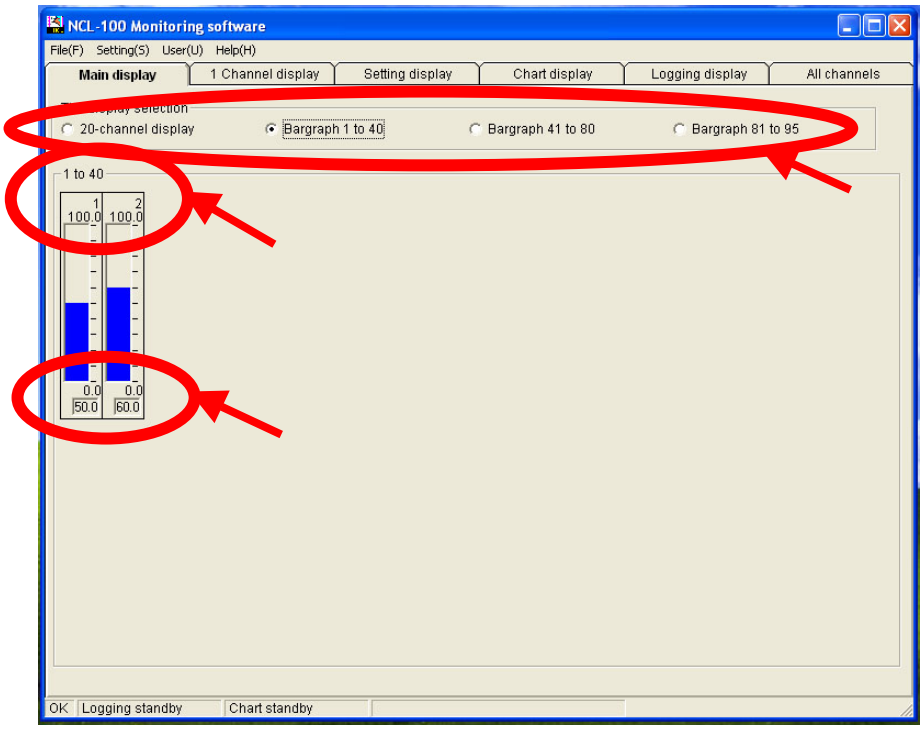
(Fig. 2.3.1-1)

Operation explanation

By clicking the following tab, 20 channels can be switched at a time.
[1 to 20] tab : Data for the instrument numbered 0 to 19 is indicated.
[21 to 40] tab : Data for the instrument numbered 20 to 39 is indicated.
[41 to 60] tab : Data for the instrument numbered 40 to 59 is indicated.
[61 to 80] tab : Data for the instrument numbered 60 to 79 is indicated.
[81 to 95] tab : Data for the instrument numbered 80 to 94 is indicated.

Bar graph 1 to 40 : If is clicked ( ), the bar graph screen for the instrument numbered 0 to 39 appears.
Bar graph 41 to 80: If is clicked ( ), the bar graph screen for the instrument numbered 40 to 79 appears.
Bar graph 81 to 95: If is clicked ( ), the bar graph screen for the instrument numbered 80 to 94 appears.

Bar graph display



(Fig. 2.3.1-2)

The following items are described in the bar graph from the top:
Channel number, scaling upper limit value, bar graph, scaling lower limit value, PV

Bar graph color

Blue: Normal status
Red : If either Alarm 1, 2, 3 or Alarm 4 is activated, color of the bar graph turns to the color set during Alarm color setting mode (pages 34-35).
Other alarms will be indicated in red.
After the alarm is released, color of the bar graph turns to blue.

Operation explanation

If ○ is clicked (◉), the display for 40 channels can be switched.

○ Bar graph 1 to 40 : If ○ is clicked (◉), the bar graph screen for the instrument numbered 0 to 39 appears.

○ Bar graph 41 to 80: If ○ is clicked (◉), the bar graph screen for the instrument numbered 40 to 79 appears.

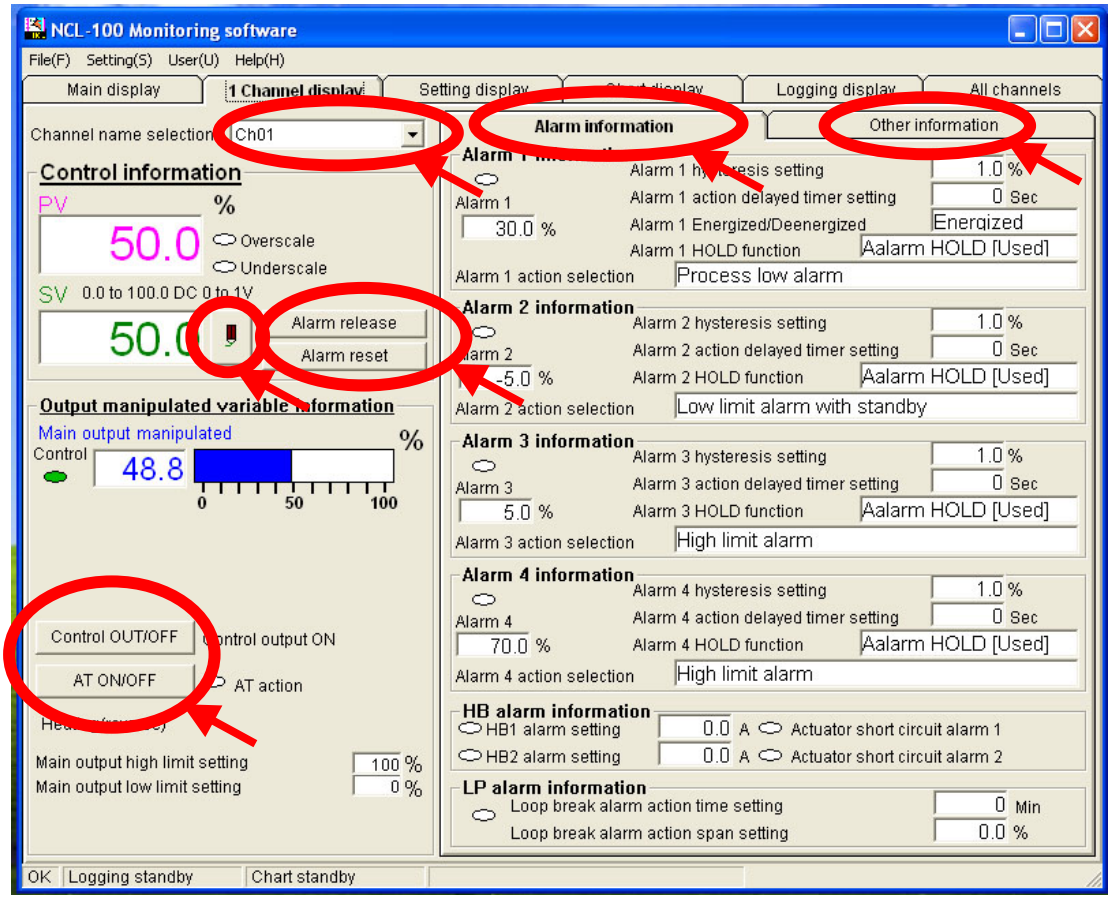
○ Bar graph 81 to 95: If ○ is clicked (◉), the bar graph screen for the instrument numbered 80 to 94 appears.

○ 20-channel display: If ○ is clicked (◉), the main display appears.

Setting on the bar graph: If the value on the bar graph is clicked with the left mouse button, scaling upper limit, and lower limit can be changed.

(2) 1 channel display

All items of one NCL-13A unit selected during channel name selection can be monitored.
If either Alarm 1, 2, 3 or Alarm 4 is activated, color of the bar graph turns to the color set during Alarm color setting mode (pages 34-35).
Other alarms will be indicated in red.



(Fig. 2.3.1-3)

Operation explanation

[channel name selection] : Select the desired channel name to be indicated by clicking the ▼ button.
The message “This channel has not been connected to the instrument” will appear if the channel of the disconnected unit is selected.

[SV setting] button : By clicking this button, the ten-key window appears.
Input SV and click [OK].

[Alarm release] button : By clicking this button, alarm status flag will be cleared.
However, for the alarm with standby function, it will become standby status.
If “High limit alarm with standby”, “Low limit alarm with standby” or “High/Low limits alarm with standby” is selected during Alarm action selection mode, it will become standby status.

[Alarm reset] button : Only alarm status flag will be cleared.

[Control OUT/OFF] button : If this button is clicked during control performance, control output OFF function initiates and all outputs are turned OFF.
Clicking this button again releases the control output OFF function, and the controller returns to control performing status.

[AT ON/OFF] button : If this button is clicked during the control, auto-tuning starts.
Clicking this button again stops the auto-tuning.

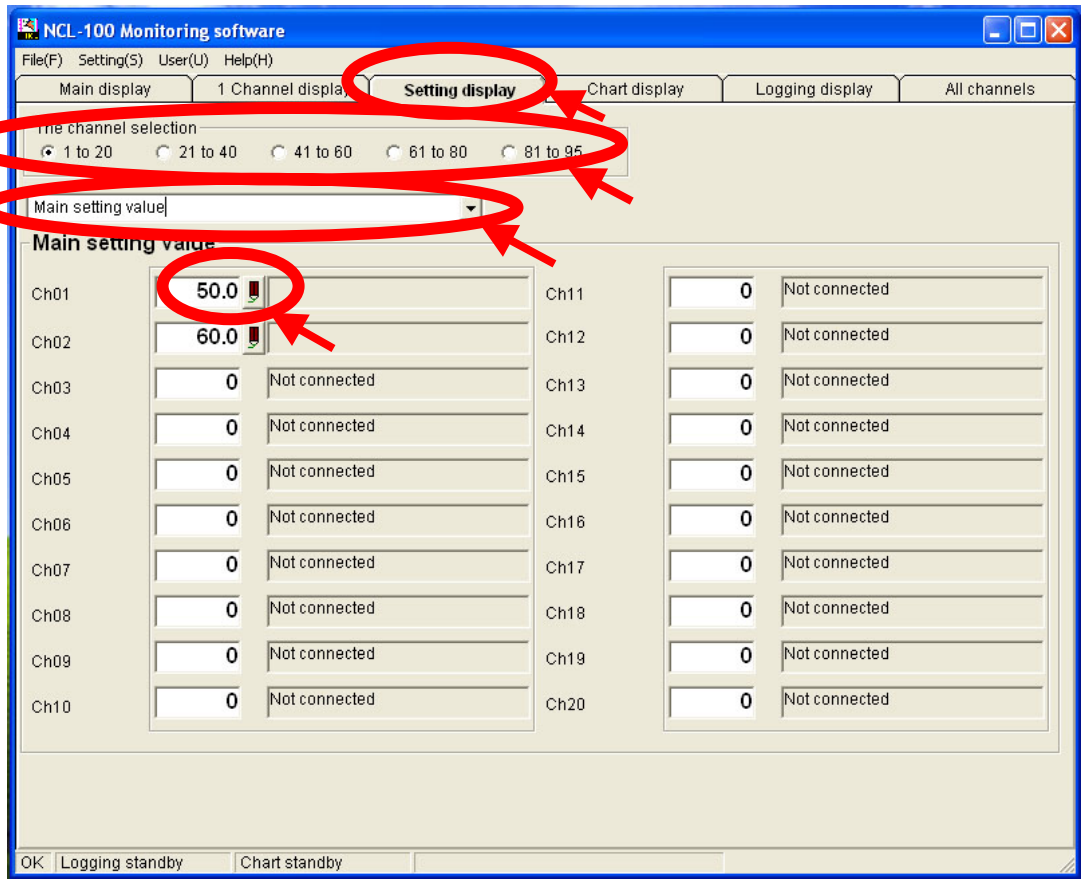
[Alarm information] tab : Indicates information on Alarm 1, Alarm 2, Alarm 3, Alarm 4, Heater burnout alarm and Loop break alarm.

[Other information] tab : Indicates information on Setting value lock, P, I, D, ARW, Proportional cycle, etc.

(3) Setting display

Setting values can be set for each of the 20 channels.

For the channel to which the instrument is not connected, “Not connected” is indicated.



(Fig. 2.3.1-4)

Operation explanation

1 to 20 : If is clicked ( ), the setting values of the instrument numbered 0 to 19 are indicated.

21 to 40 : If is clicked ( ), the setting values of the instrument numbered 20 to 39 are indicated.

41 to 60 : If is clicked ( ), the setting values of the instrument numbered 40 to 59 are indicated.

61 to 80 : If is clicked ( ), the setting values of the instrument numbered 60 to 79 are indicated.

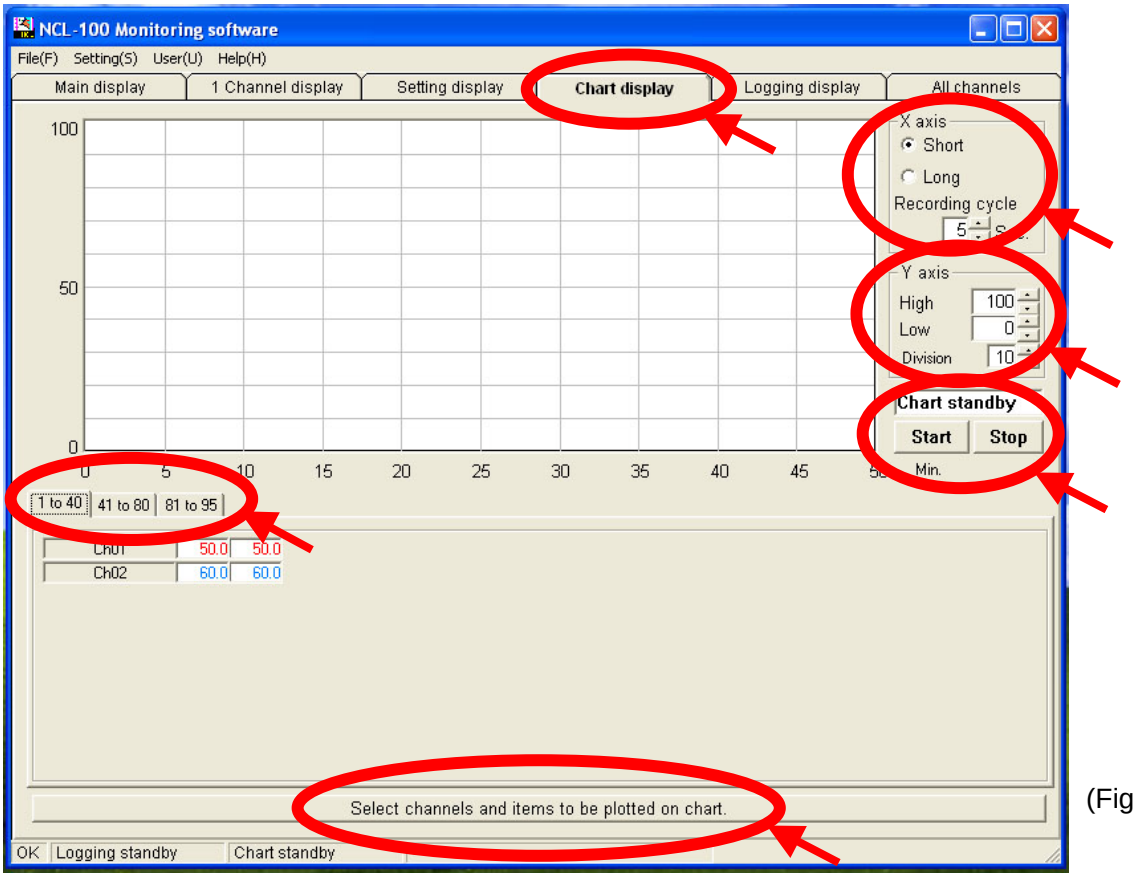
81 to 95 : If is clicked ( ), the setting values of the instrument numbered 80 to 94 are indicated.

[Setting item selection]: Select the desired item to be set by clicking the ▼ button.

[Setting] button : By clicking this button, the ten-key window or selection screen appears. Enter or select the setting value and click [OK].

(4) Chart display

The chart can be plotted. A maximum of 95 points can be plotted out of PV and SV.
Unless chart plot conditions are set, chart plotting cannot be started.
Press [Select channels and items to be plotted on chart] button to set chart plot conditions (p.27).
If chart plotting starts again after it is cancelled, the chart screen is cleared, and the new chart is plotted again.
If the monitoring software is closed during chart plotting, the chart automatically appears the next time the monitoring software starts.



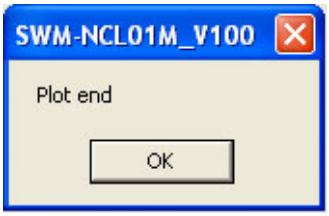
(Fig. 2.3.1-5)

Operation explanation

[X axis] : Select the number of samples, and set the recording cycle (1 to 60 sec.).
(e.g.) The number of samples: 600
Recording cycle: 5 sec.
→ 3000 seconds
→ X axis indication: 0 to 50 minutes.

[Y axis] : Set upper limit and lower limit values of chart indication and Y axis division.
[Start] button : Clicking this button starts chart indication.
[Stop] button : Clicking this button stops chart indication.
[1 to 40] tab : Data of the instrument numbered 0 to 39 is indicated.
[41 to 80] tab : Data of the instrument numbered 40 to 79 is indicated.
[81 to 95] tab : Data of the instrument numbered 80 to 94 is indicated.
[Select channels and items to be plotted on chart] button: Clicking this button proceeds to the Chart plot condition setting display.

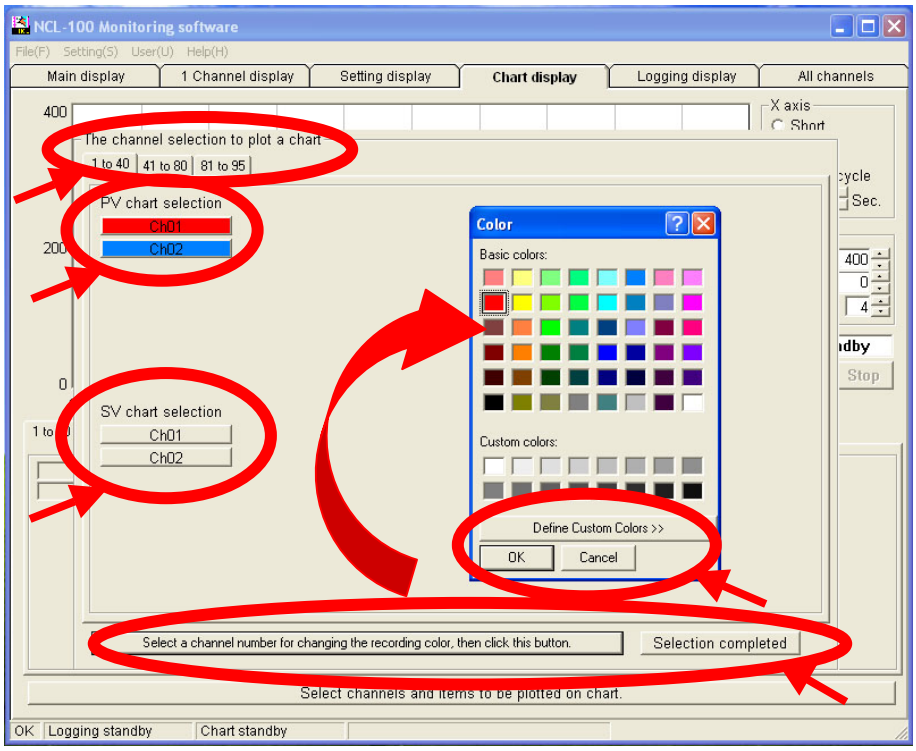
After chart plotting finishes, the following display appears.



(Fig. 2.3.1-6)

(5) Chart plot condition setting display

The plot conditions such as plotting item, channel number and chart color can be set.
Unless chart plot conditions are set, the chart plotting cannot start.



(Fig. 2.3.1-7)

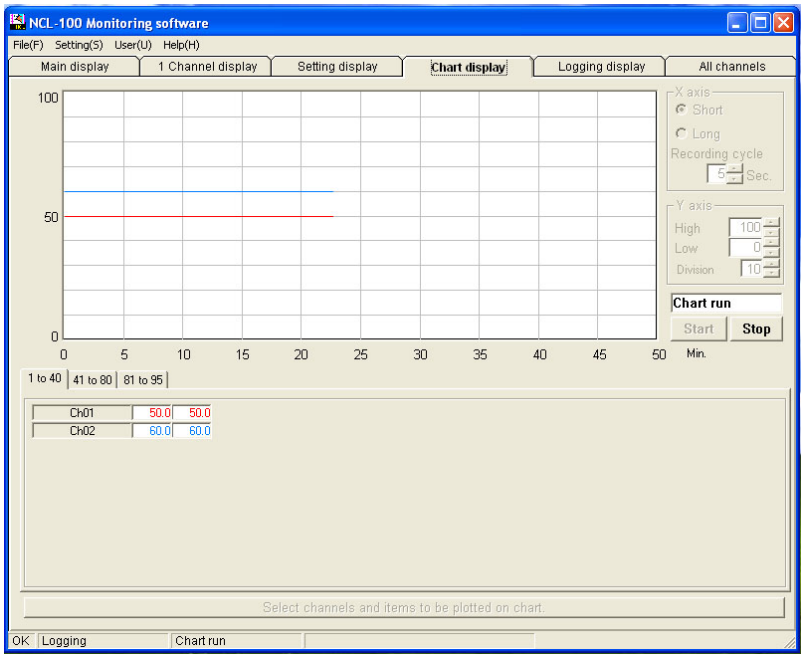
Operation explanation

[1 to 40] tab : Sets chart plot condition for the instrument numbered 0 to 39.
[41 to 80] tab : Sets chart plot condition for the instrument numbered 40 to 79.
[81 to 95] tab : Sets chart plot condition for the instrument numbered 80 to 94.
[Chxx] button : Select a channel for plotting PV and SV.
[Select a channel number for changing the recording color, then click this button] button:
If this button is clicked, the Color selection display appears.
[Selection completed] button: If this button is clicked, the chart plot condition setting is completed, and the display reverts to the Chart display.

Color selection display

[Define Custom Colors]: User's own color can be created and added by clicking this button.
[OK]: Clicking this button sets the color and closes the display.
[Cancel]: This button closes the display without setting colors.

Example of chart plotting



(Fig. 2.3.1-8)

(6) Logging display

Data logging condition can be set.

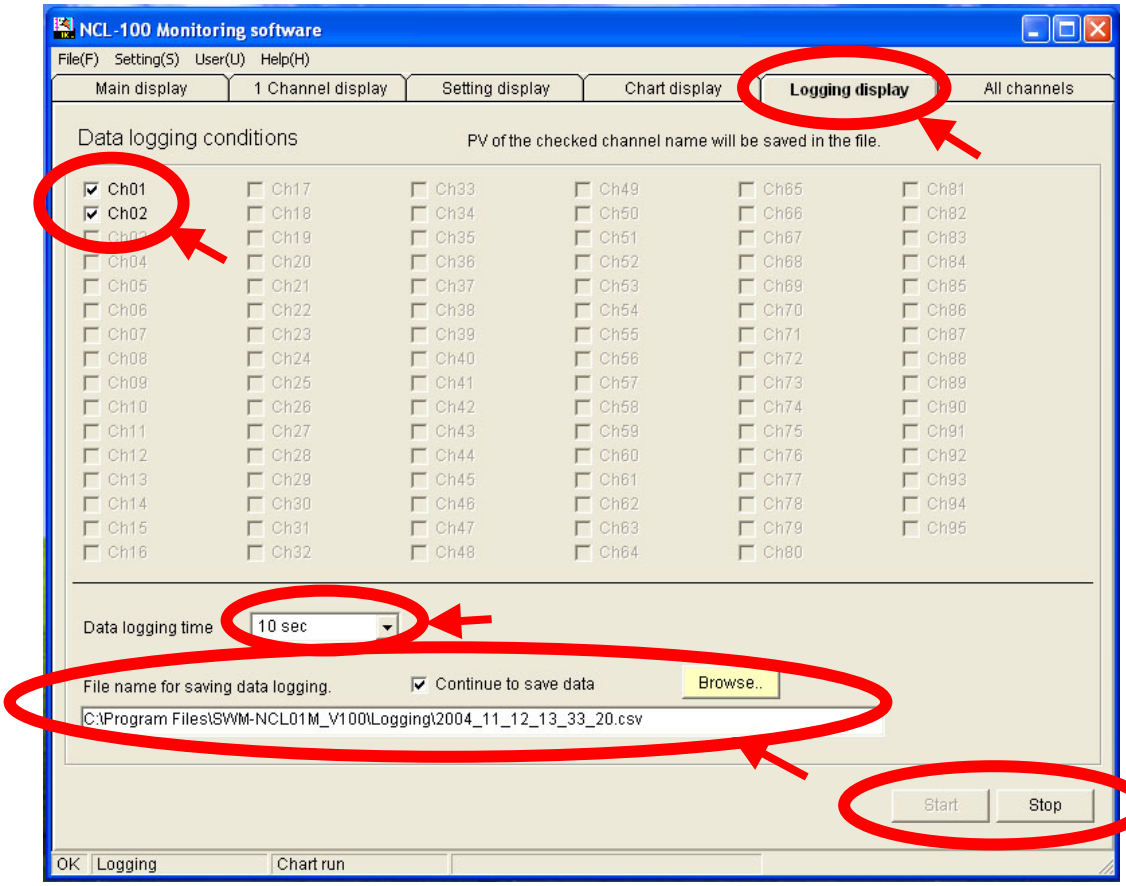
Unless data logging save destination is specified, logging cannot be started.

Press the [Browse] button, and enter a file name for saving data.

However, if [Continue to save data] is checked, the file is automatically named by date and time (year, month, date, hour, minute, second.csv) of logging start, and data is saved in the logging folder of the installation destination.

By clicking the [Start] button, PV data of the selected channel is saved at intervals of data logging time.

The saved data can be edited on commercially available spreadsheet applications like Microsoft Excel.



(Fig. 2.3.1-9)

Operation explanation

[Ch01 to Ch95] selection item : Select a channel by checking the box ☐ before the channel.

[Data logging time] selection item : Select a data logging interval by clicking the ▼ button.

☐ Continue to save data : If data logging starts with the box ☐ checked, the data is saved in the same previous file.
If data logging starts with the check of the box ☐ released, the data is saved in a new file.

[Browse...] button : To change the file name, click this button.
The dialog box “Open” is opened.
Select a file and click [Open].

[Start] button : Clicking this button starts data logging.

[Stop] button : Clicking this button stops data logging.

Logging auto-start when starting the monitoring software

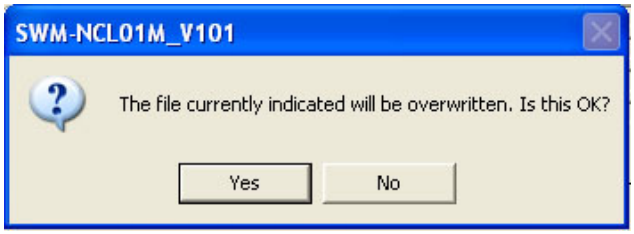
If the monitoring software is closed during data logging, logging starts automatically when the software starts. However, saving method in file is different depending on whether [Continue to save data] is checked or not.

When [Continue to save data] is checked

For saving data, the same file name used during the previous session is designated, and the data is saved in the same file continuously.

When [Continue to save data] is not checked

The following display to confirm that the file will be overwritten will appear.

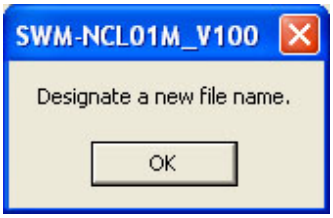


(Fig. 2.3.1-10)

If [Yes] is clicked, the same file used to save as previous session will be overwritten with the new logging data.

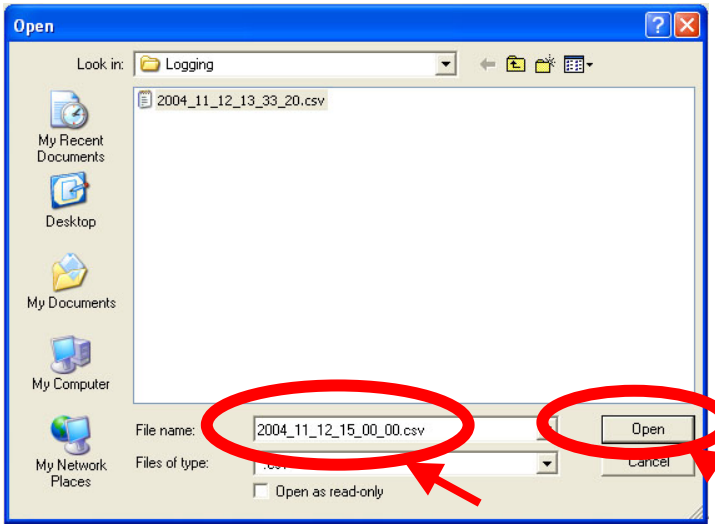
> **Notice**
>
> .
> **Designate a new file if you don't want to clear the data.**

If [No] is clicked, the following display appears.



(Fig. 2.3.1-11)

If [OK] is clicked, the following display appears.



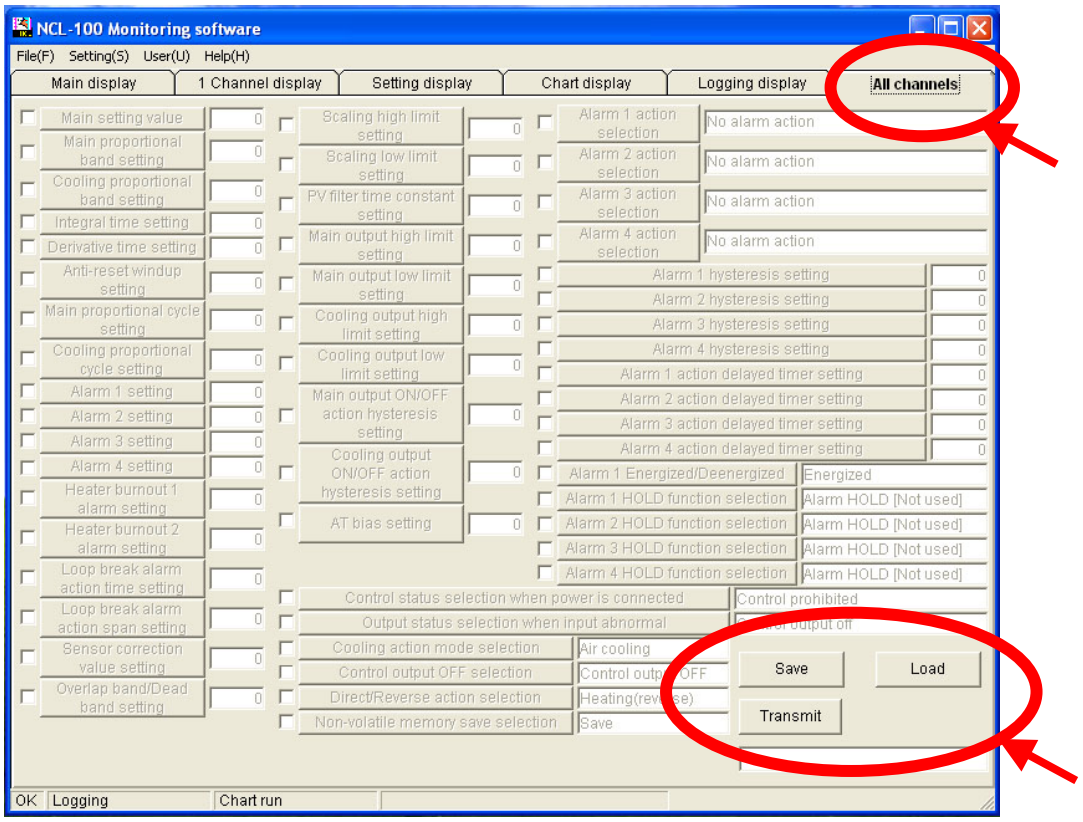
(Fig. 2.3.1-12)

Enter a new file name and Click [Open].
The data will be saved in the new file.

(7) All channels display

Data to transmit to all connected units can be set.

Setting value on the screen can be saved in a file or loaded (read) from a file.

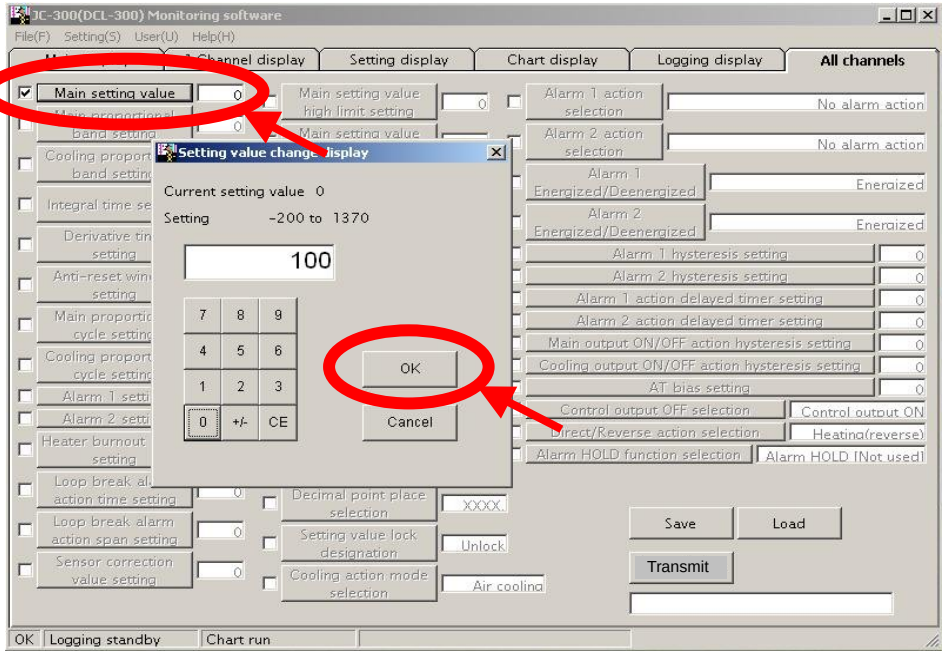


(Fig. 2.3.1-13)

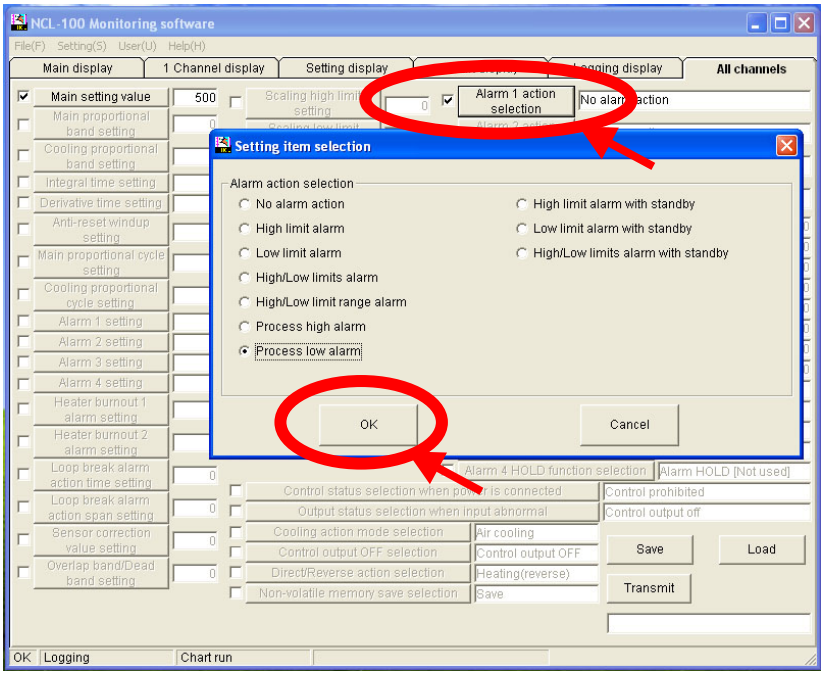
Operation explanation

☐ Each setting/selection item : Check the box ☐ to select the item for transmission.
By checking the box, each setting/selection item will take effect and the value can be set or selected.

Each setting/selection button : By clicking this button, the ten-key window or selection screen appears.
Enter or select the setting value, and click [OK].

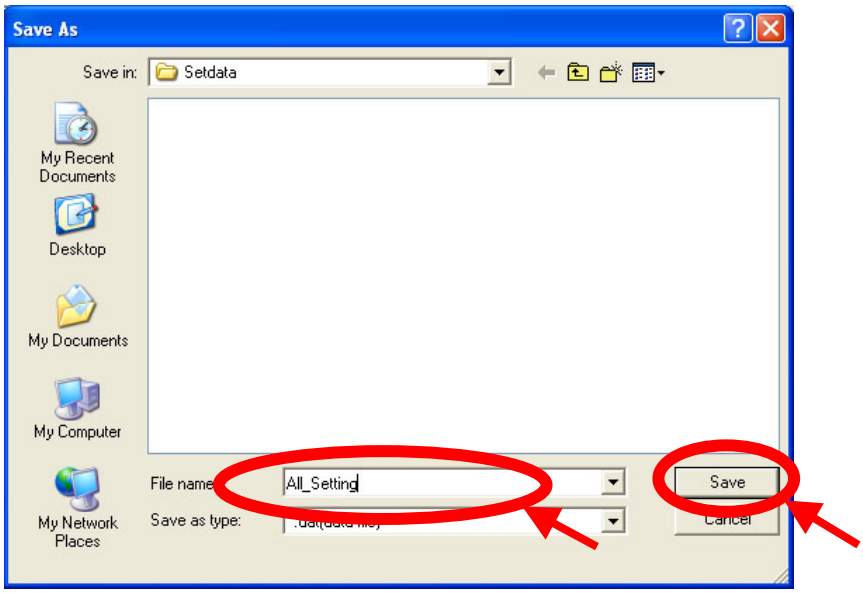


(Fig. 2.3.1-14) (e.g. Ten-key window for setting Main setting value)



(Fig. 2.3.1-15)　(e.g. Screen for Alarm 1 action selection)

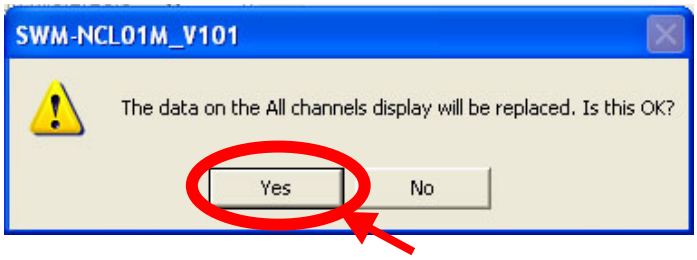
[Save] button　　: Clicking this button (Fig. 2.3.1-13) opens the dialog box “Save As”.



(Fig. 2.3.1-16)

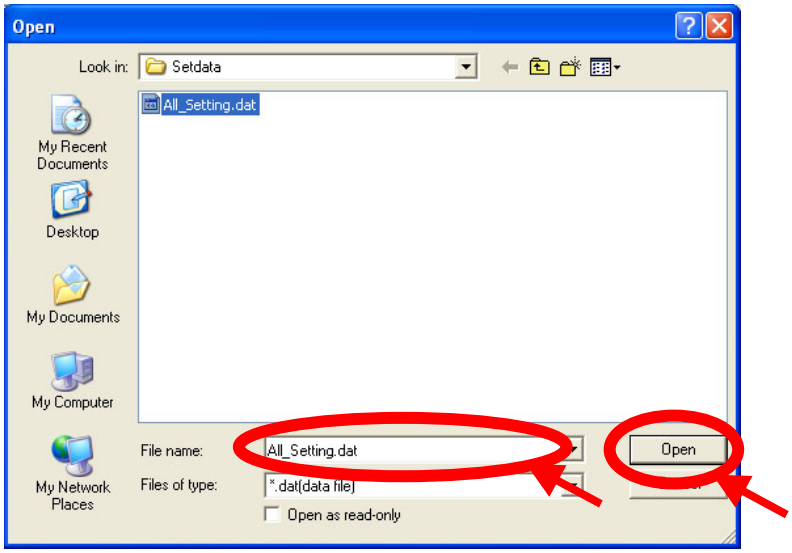
Enter a file name and click [Save] button.
The data on the screen will be saved in a file of the “Setdata” folder in the installation folder.

[Load] button　　: If this button (Fig. 2.3.1-13) is clicked, the following window will appear.



(Fig. 2.3.1-17)

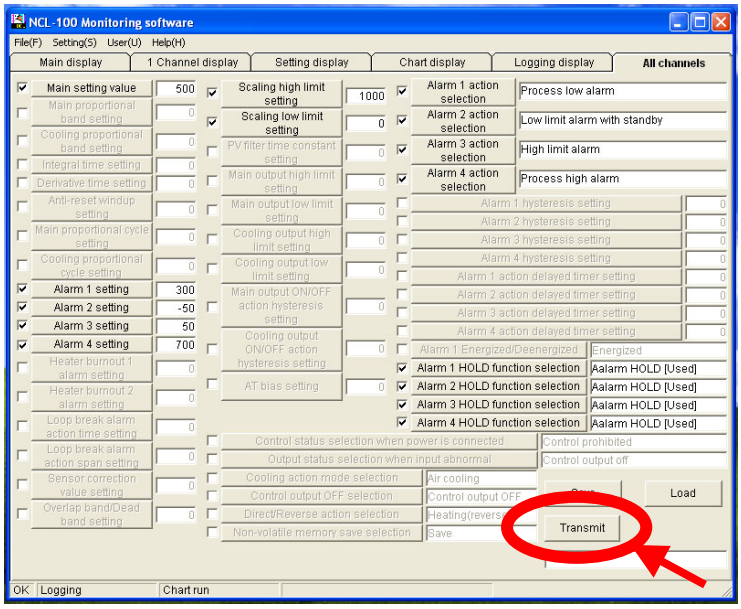
Clicking the [Yes] button opens the dialog box “Open”.
Clicking the [No] button closes the above screen.



(Fig. 2.3.1-18)

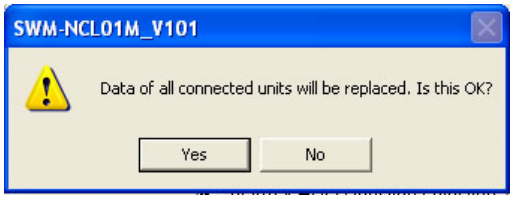
Select a file and click [Open].
The data is read from the file and the screen indication is updated.

[Transmit] button :



(Fig. 2.3.1-19)

If the [Transmit] button is clicked, the following display appears.



(Fig. 2.3.1-20)

If [Yes] is clicked, all checked items are transmitted to all connected units. Unchecked items are not transmitted.
Clicking [No] stops transmission.
Even if the items are checked, they are not transmitted to the units which are performing AT (auto-tuning), and the following display appears.



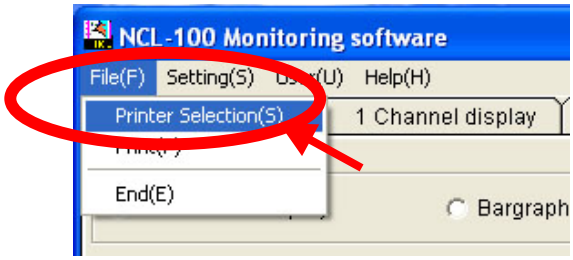
(Fig. 2.3.1-21)

2.3.2 Menu bar operation

(1) Printer selection

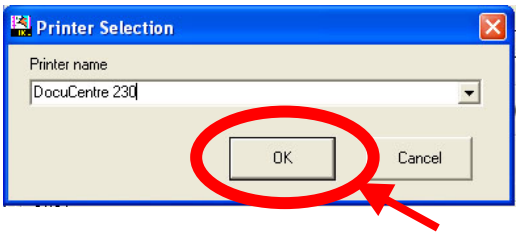
The printer for printing can be selected.

① Select [File(F)] on the menu bar – [Printer selection(S)], and click.



(Fig. 2.3.2-1)

② Printer selection display appears.
Select a printer and click [OK].

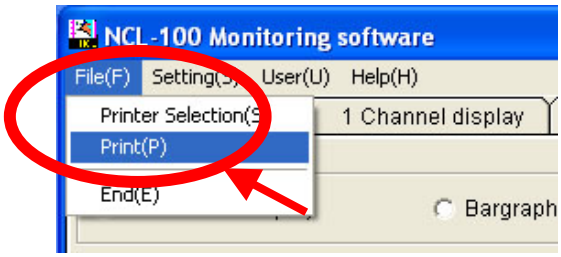


(Fig. 2.3.2-2)

(2) Printing

Contents on the screen can be printed.

① Select [File(F)] on the menu bar – [Print(P)], and click.
Contents on the screen will be printed.

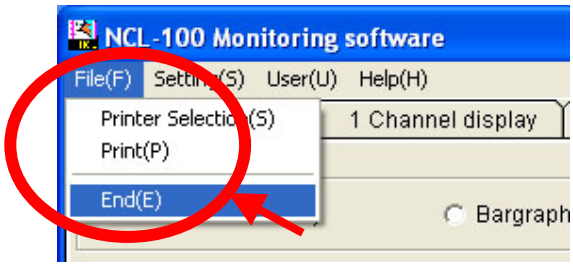


(Fig. 2.3.2-3)

(3) Terminating the monitoring software

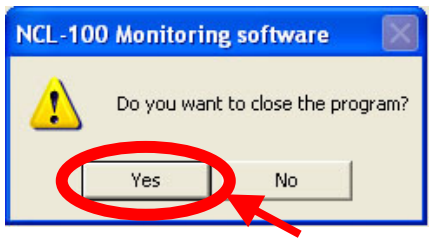
Terminate the monitoring software as follows.

① Select [File(F)] on the menu bar – [End(E)], and click.



(Fig. 2.3.2-4)

② Termination confirming screen appears.
Clicking [Yes] terminates the screen, and clicking [No] cancels termination.

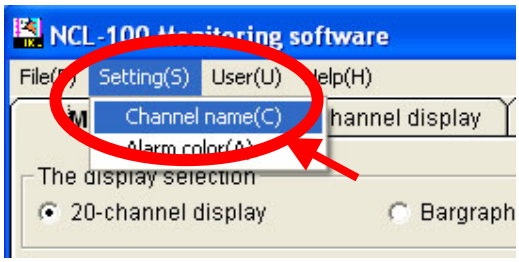


(Fig. 2.3.2-5)

(4) Channel name registration

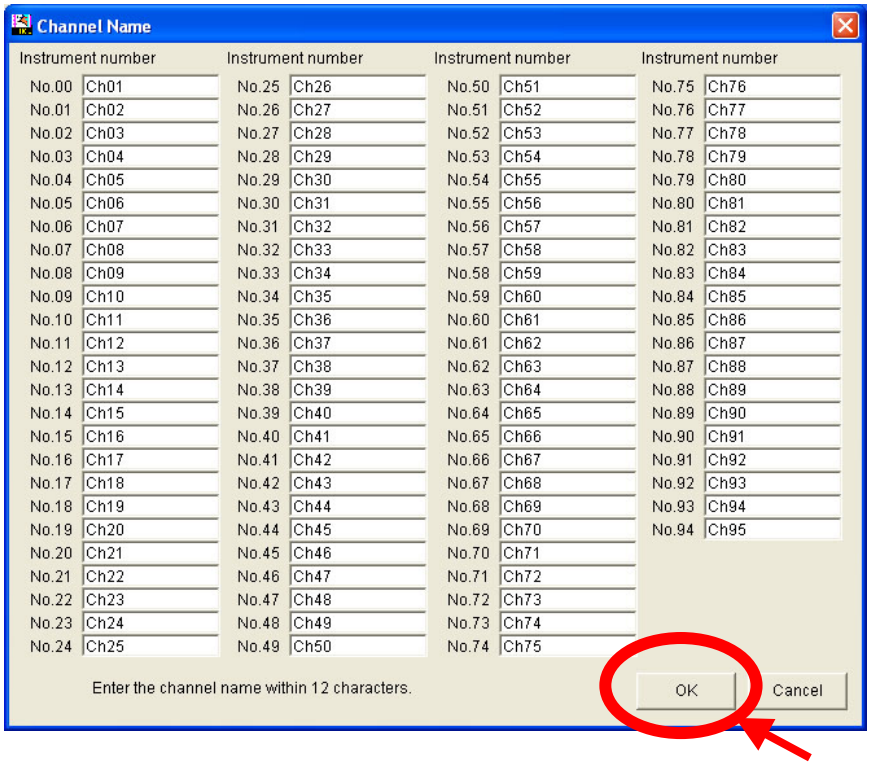
Channel name indicated on the screen can be registered as follows.
The registered channel name is indicated on the screen and in the selection list.

① Select [Setting(S)] on the menu bar – [Channel name(C)] and click.



(Fig. 2.3.2-6)

② Channel name registration screen appears.
Enter a channel name and click [OK]. Up to 12 letters are available for the name.

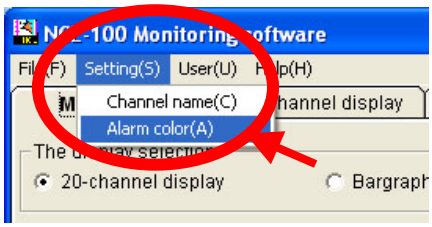


(Fig. 2.3.2-7)

(5) Alarm color setting

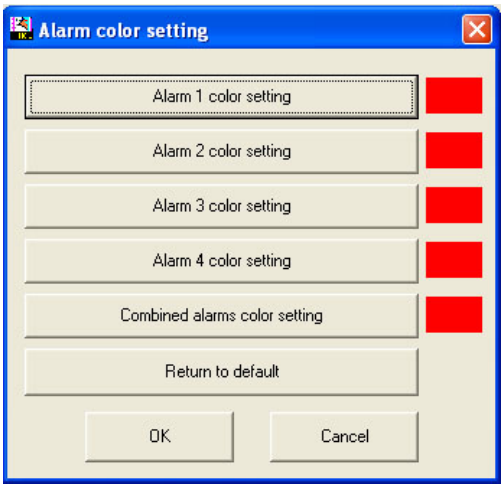
The color for Alarm 1, Alarm 2, Alarm 3, Alarm 4 and Combined alarms (2 or more alarms are activated simultaneously) can be set. Default value for all alarm colors is red.

① Select [Setting(S)] on the menu bar – [Alarm color(A)], and click.

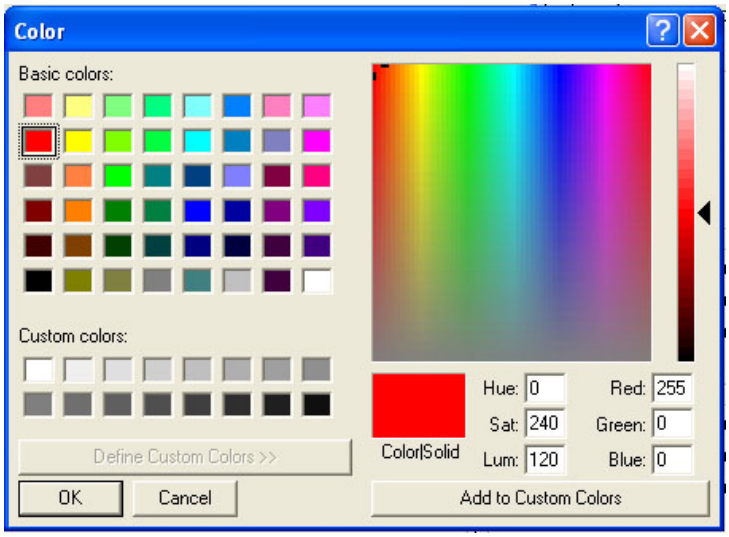


(Fig. 2.3.2-8)

② Alarm color setting screen appears. (Fig. 2.3.2-9)
Click the button to be changed. “Color” screen will appear (Fig. 2.3.2-10).
Set a color, and click [OK]. The screen will revert to the Alarm color setting screen.
By clicking [OK] on the Alarm color setting screen, the alarm color on the monitoring software will turn to the set color.
Clicking the [Cancel] button cancels the color setting.
Combined alarms (2 or more alarms are activated simultaneously) color setting is only effective on the screen of Fig. 2.3.1-2 (Page 23).



(Fig. 2.3.2-9)

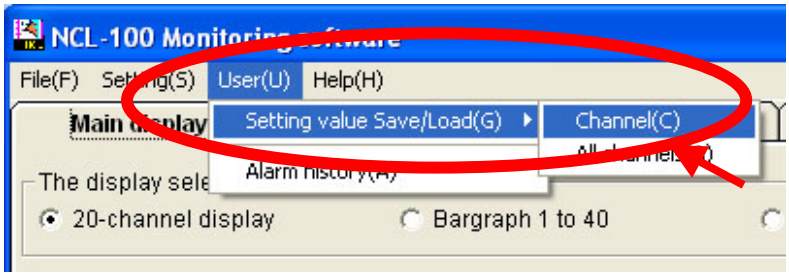


(Fig. 2.3.2-10)

(6) Setting value Save/Load per channel

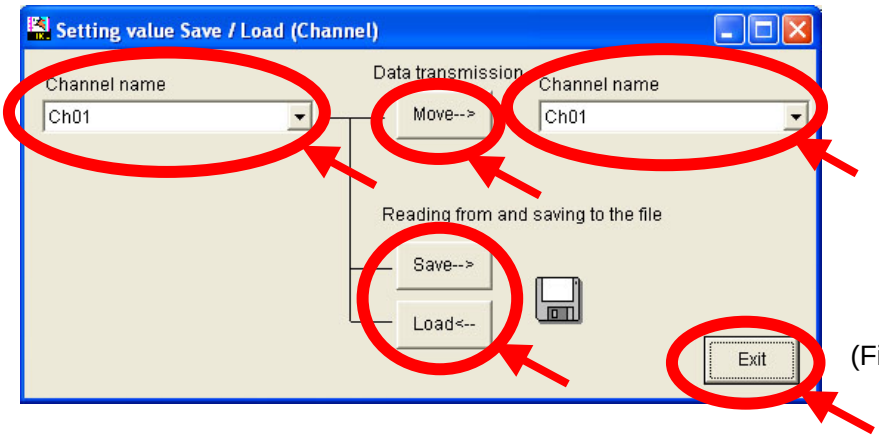
The setting values on the screen can be saved in a file or loaded from files per channel. Data transmission between channels can be carried out.

① Select [User(U)] on the menu bar – [Setting value Save/Load(G)] – [Channel(C)] and click.



(Fig. 2.3.2-11)

② Setting value Save/Load per channel screen appears.



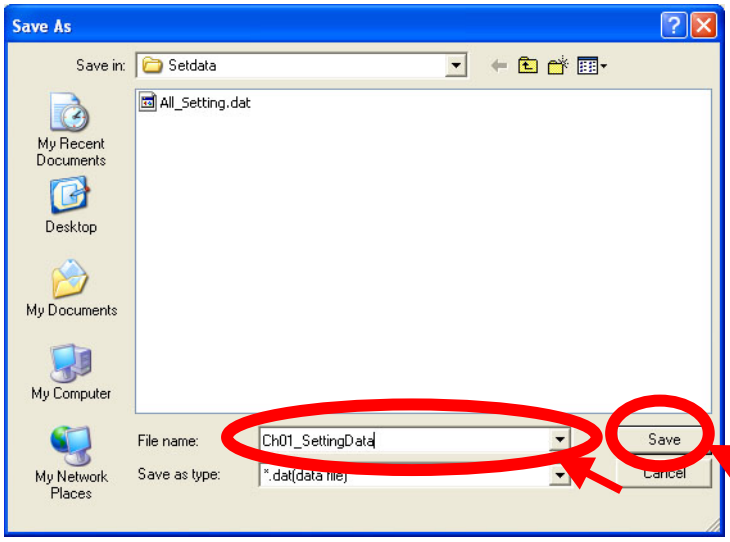
(Fig. 2.3.2-12)

Operation explanation

Channel name : Select a channel name to save or to load.
To transmit data, select the channel name for transmission destination as well.

[Move-->] button : By clicking this button, the setting value is transmitted from the channel origin to the channel destination.

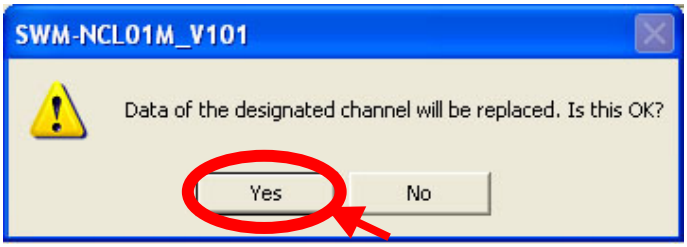
[Save-->] button : Clicking this button opens the dialog box “Save As”.



(Fig. 2.3.2-13)

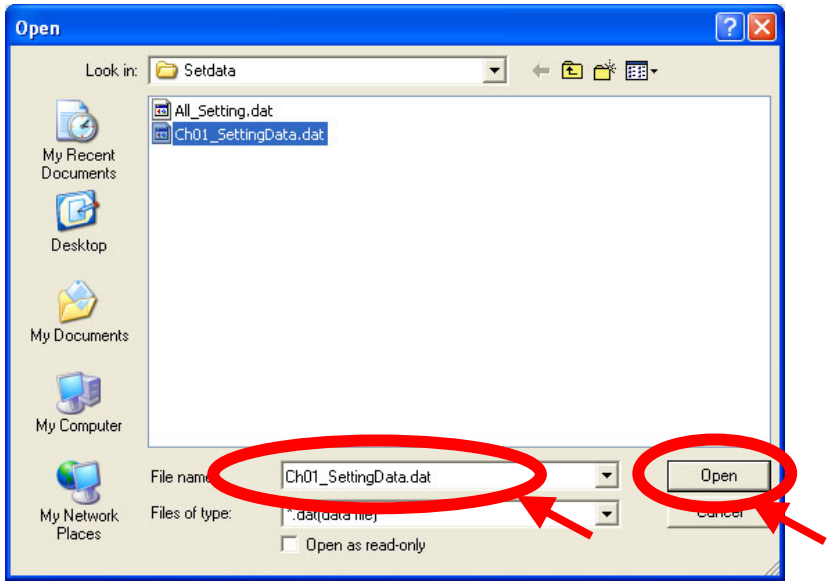
Enter a file name and click [Save].
The setting value of the selected channel is saved in a file of the "Setdata" folder in the installation folder.

[<--Load] button : If this button is clicked, the following window appears.



(Fig. 2.3.2-14)

Clicking [Yes] opens the dialogue box "Open".
Clicking [No] closes the above screen.



(Fig. 2.3.2-15)

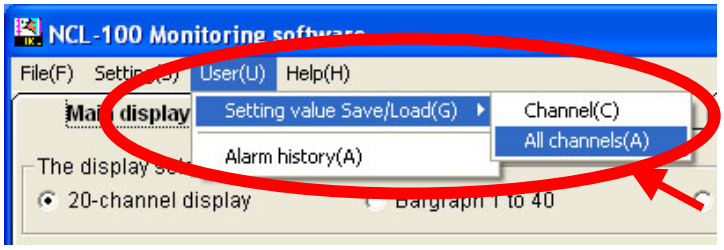
Select a file and click [Open].
The data is loaded (read) from the file and the setting value of the selected channel is updated.

[Exit] button : Clicking this button (Fig.2.3.2-12) closes the screen of Setting value Save/Load per channel.

(7) Setting value Save/Load for all channels

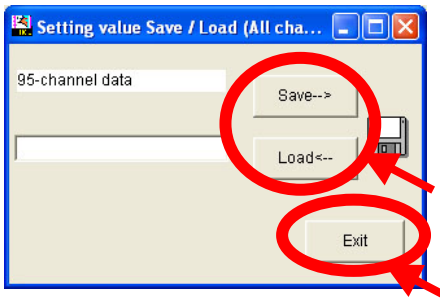
The setting values of all channels can be saved in a file and loaded (read) from a file.

① Select [User(U)] on the menu bar – [Setting value Save/Load(G)] – [All channels(A)], and click.



(Fig. 2.3.2-16)

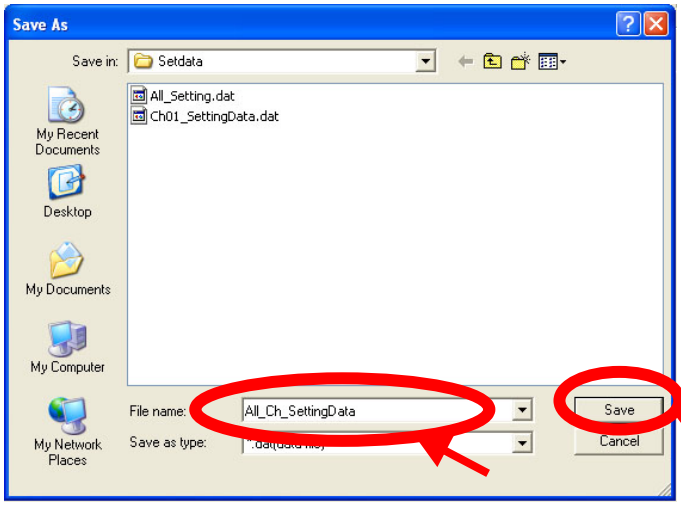
② Setting value Save/Load for all channels screen appears.



(Fig. 2.3.2-17)

Operation explanation

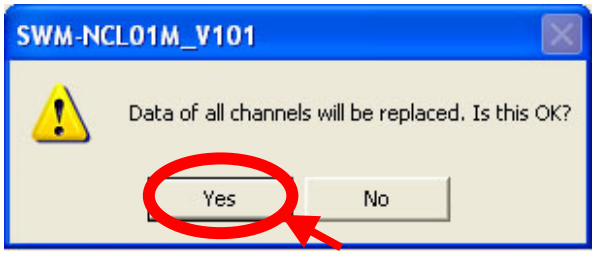
[Save-->] button : Clicking this button opens the dialog box “Save As”.



(Fig. 2.3.2-18)

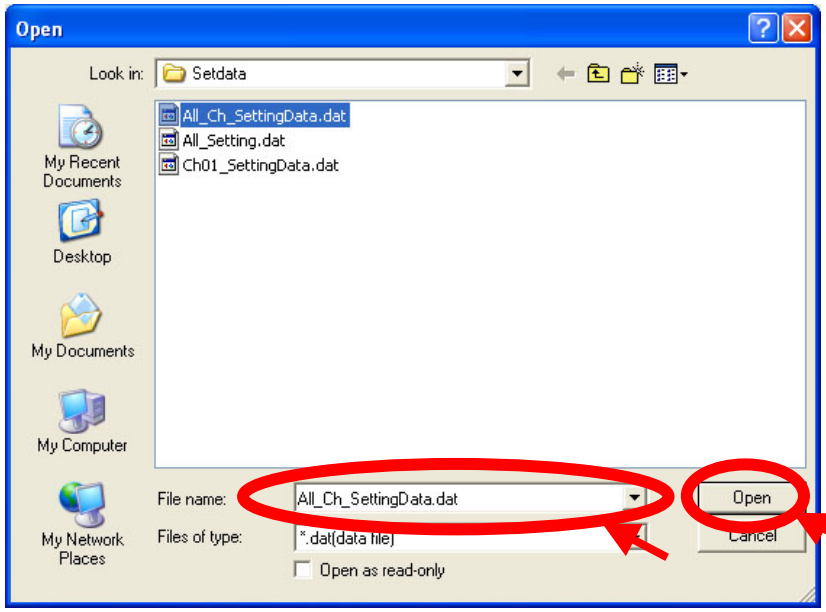
Enter a file name, and click [Save].
The setting values of all channels are saved in the file of “Setdata” folder in the installation folder.

[<--Load] button : If this button is clicked, the following window appears.



(Fig. 2.3.2-19)

Clicking [Yes] opens a dialogue box “Open”.
Clicking [No] closes the above screen.



(Fig. 2.3.2-20)

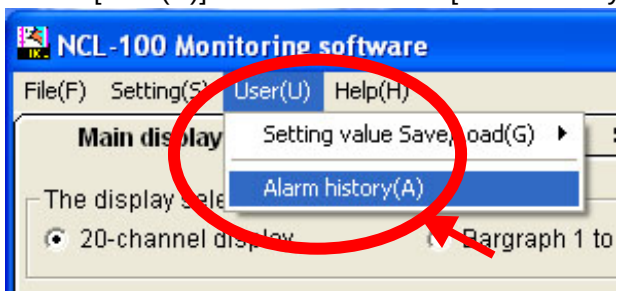
Select a file, and click [Open].
The data is loaded (read) from the file and the setting values of all channels are updated.

[Exit] button : Clicking this button (Fig.2.3.2-17) closes Setting value Save/Load for all channels screen.

(8) Alarm history display

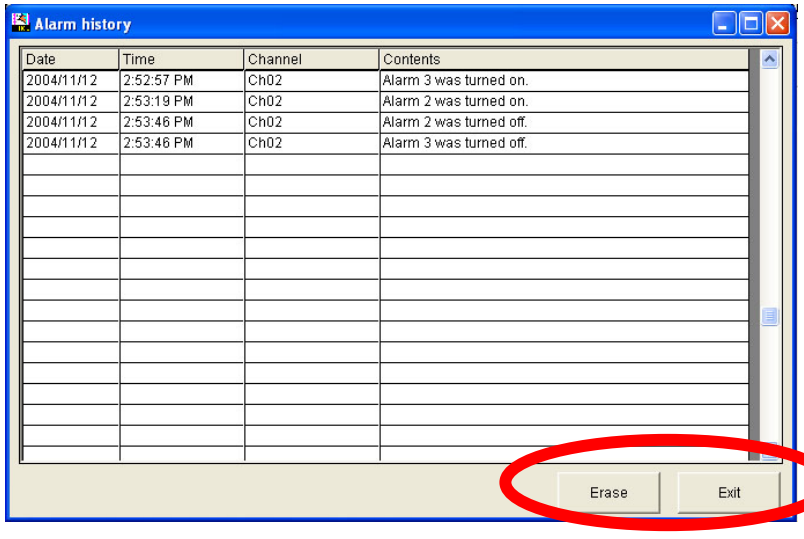
During monitoring, if Alarm 1, Alarm 2, Alarm 3, Alarm 4, Heater burnout alarm or Loop break alarm has occurred or if they have been restored, the channel name, date and time are indicated.
These are saved in the history folder with “txt” extension (His_Year_Month_Day_Hour_Minute.txt).
The file is automatically named by date and time when the monitoring software starts.

① Select [User(U)] on the menu bar – [Alarm history(A)], and click.



(Fig. 2.3.2-21)

② Alarm history display appears.



(Fig. 2.3.2-22)

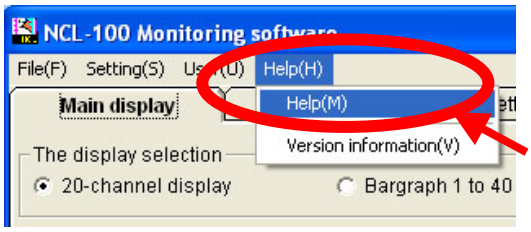
Operation explanation

[Erase] button : Clicking this button clears the history data on the screen.
[Exit] button : Clicking this button closes the Alarm history display.

(9) Help display

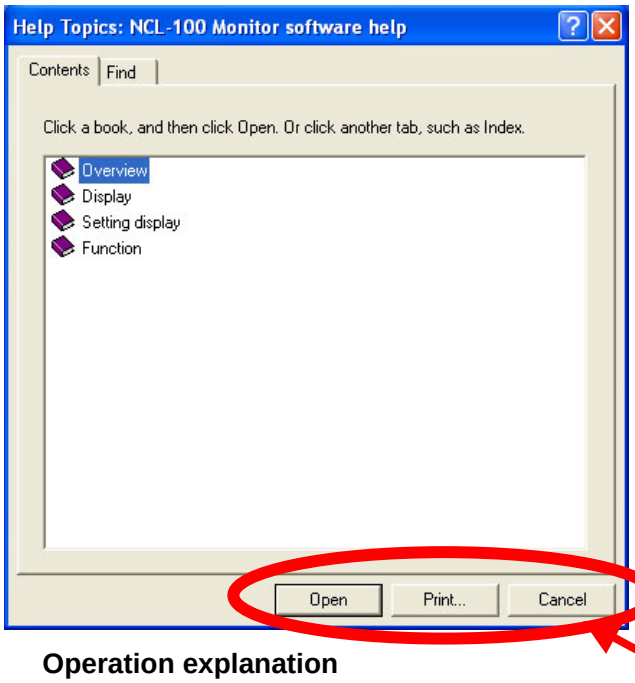
Each screen and operation method are explained.

① Select [Help(H)] on the menu bar – [Help(M)], and click.



(Fig. 2.3.2-23)

② Help display appears.



(Fig. 2.3.2-24)

Operation explanation

[Open] button : Clicking this button opens the selected Help contents.
If the closed book icon is selected, the book is opened.
If the opened book icon is selected, the book is closed.

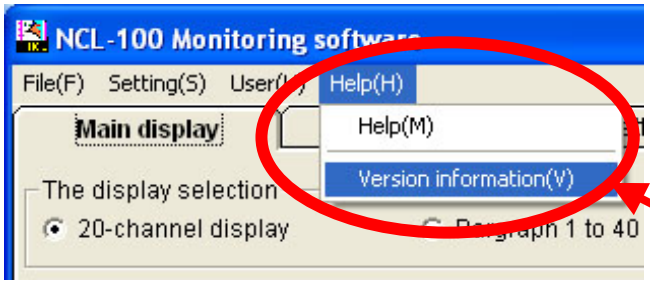
[Print...] button : Clicking this button prints the selected Help contents.
If the book icon is selected, all contents in the book are printed.

[Cancel] button: Clicking this button closes the Help display.

(10) Version information display

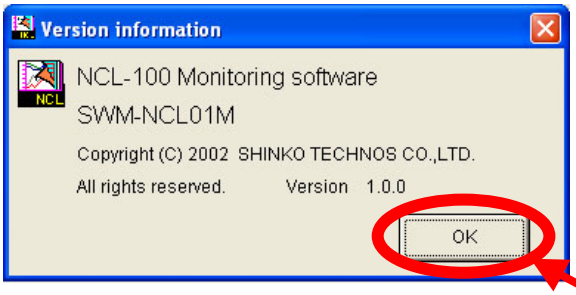
Version information on the monitoring software is described.

① Select [Help(H)] on the menu bar – [Version information(V)], and click.



(Fig. 2.3.2-25)

② Version information display appears.



(Fig. 2.3.2-26)

Operation explanation

[OK] button: Clicking this button closes Version information display.

******* Inquiry *******

For any inquiries about this software, please contact the shop where you purchased the software or our agency.

Please let us know the details of malfunction, if any, and the operating conditions.

SHINKO TECHNOS CO.,LTD.

OVERSEAS DIVISION

Reg. Office : 1-2-48, Ina, Minoo, Osaka, Japan

Mail Address : P.O.Box 17, Minoo, Osaka, Japan

URL : http://www.shinko-technos.co.jp

E-mail : overseas@shinko-technos.co.jp

Tel : 81-72-721-2781

Fax: 81-72-724-1760

No.SWMNCL11E1 2004.11