

JCX-33A (DCL-33A) MONITORING SOFTWARE

SWM-JC001M

INSTRUCTION MANUAL

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Shinko

On this manual

This manual explains how to install SWM-JC001M, JCx-33A (DCL-33A) monitoring software.

In this manual, Windows XP is used for purposes of explanation, however, other operating systems (Windows95/98/Me/NT4.0/2000) are applicable as well.

Notice when using SWM-JC001M

Shinko software: Terms of use

1. License

- (1) This software can only be used upon accepting Terms of Use.

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- (2) You may not reverse engineer, decompile or disassemble the software.

2. Copyright

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3. Limitation of usage

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- (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.

Specifications of this software and Information in the manual are subject to change without notice.

- Windows95/98/Me/NT4.0/2000/XP are registered trademarks of Microsoft Corporation.

1. Preparation before starting the monitoring software SWM-JC001M

1.1 Operating environment

JCx-33A (DCL-33A) monitoring software "SWM-JC001M" 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 greater of space available
- CD-ROM drive equipment

• 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)
Windows 95 (English)

• Display

Resolution, 800 x 600 dots or greater

Use "Normal fonts".

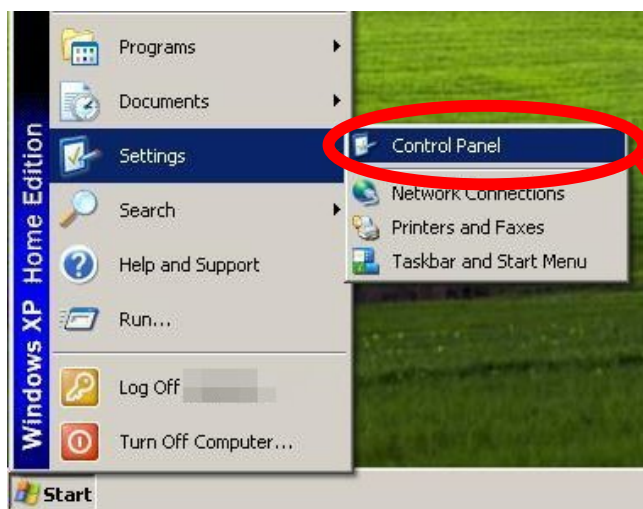
To set up the font, refer to pages 3 to 5.

• 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 [Settings] – [Control panel], and click.



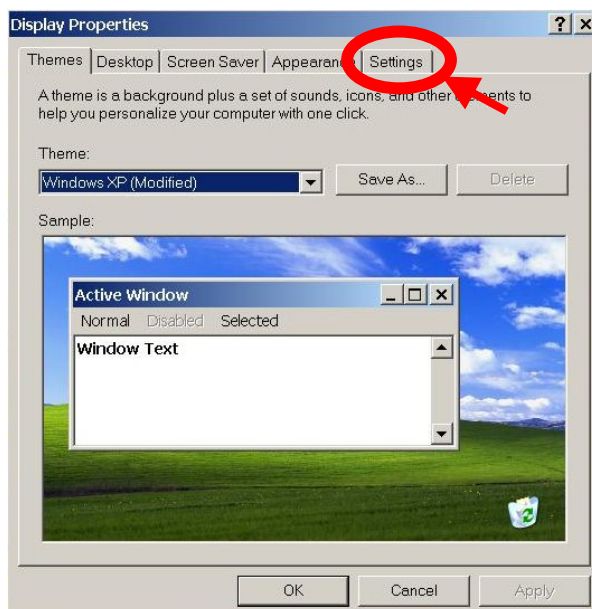
(Fig. 1.1-1)

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



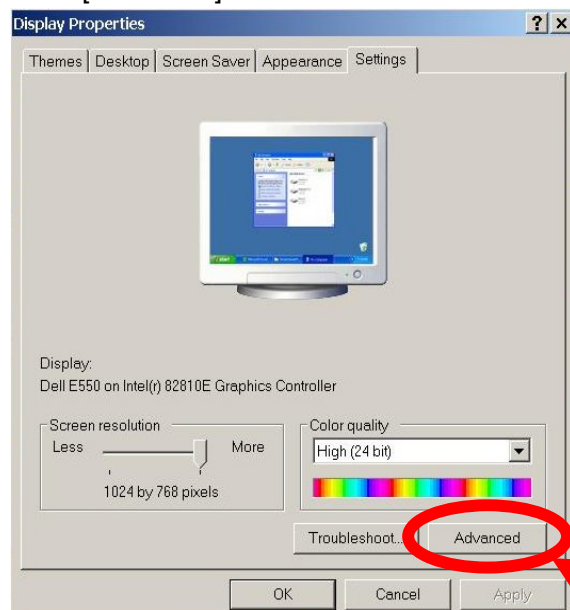
(Fig. 1.1-2)

(3) Click [Settings].



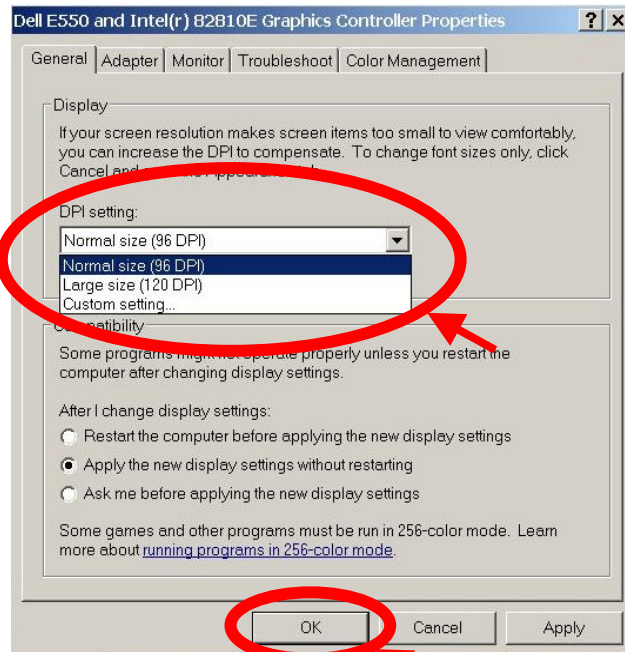
(Fig. 1.1-3)

(4) Click [Advanced].



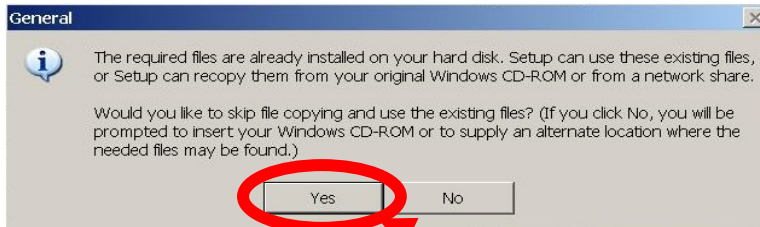
(Fig. 1.1-4)

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



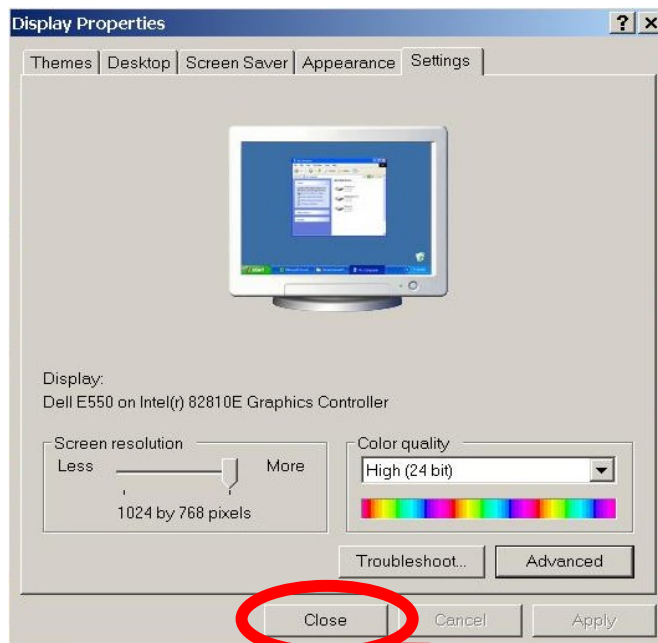
(Fig. 1.1-5)

(6) Click [Yes].



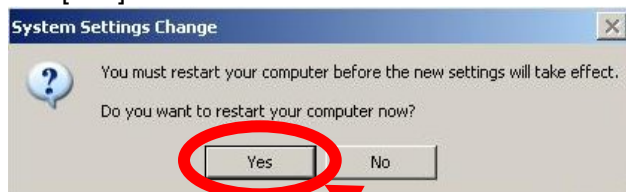
(Fig. 1.1-6)

(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 pp.3 to 5)

The personal computer used here has the following drive configuration.

Setup method described in the manual is based on the assumption that the data is downloaded and decompressed onto D drive.

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 downloaded folder, 2 installation files are included.

The following is the file for installing SWM-JC001M.

- **SWM-JC001M_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-JC001M.

- **setup.exe** [in Win95-English/Win95-Japanese folder]

For Windows 95/98/NT4.0, use this file.

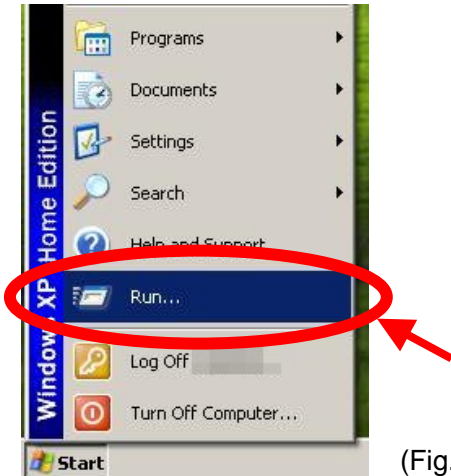
This file is also used when it is impossible to install SWM-JC001M with the file

SWM-JC001M_Vxxx.msi above.

For installation, see pages 11 to 14.

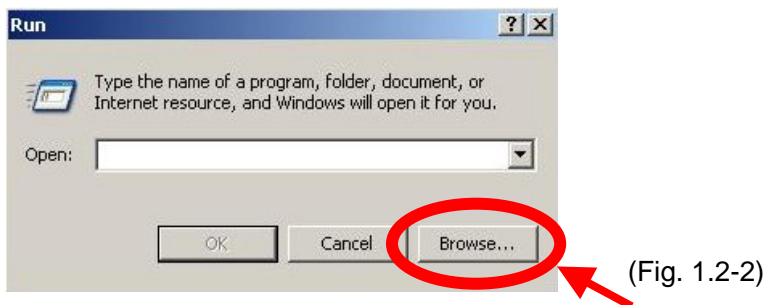
When the computer is running Windows Me/2000/XP

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



(Fig. 1.2-1)

(2) Click [Browse...].

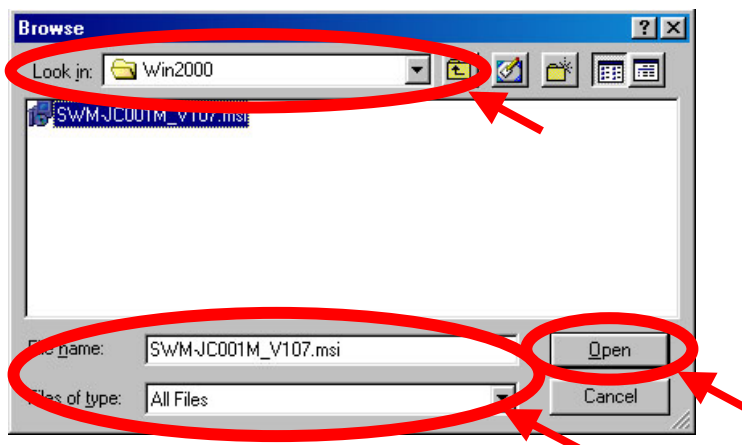


(Fig. 1.2-2)

(3) Select "Local Disk (D:)", then select "SWM-JC001M_Vxxx" - "Win2000" from [Look in].

Select "All Files" from Files of type.

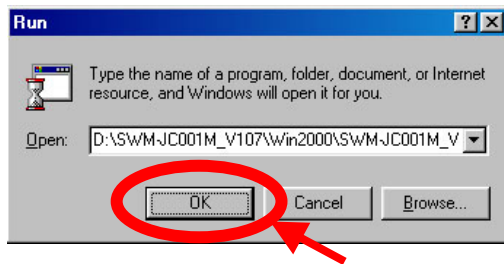
The file "SWM-JC001M_Vxxx.msi" will appear, then select this file and click [Open].



(Fig. 1.2-3)

(4) Click [OK].

SWM-JC001M_Vxxx setup wizard appears.



(Fig. 1.2-4)

(5) Click [Next].

To cancel installation, click [Cancel].



(Fig. 1.2-5)

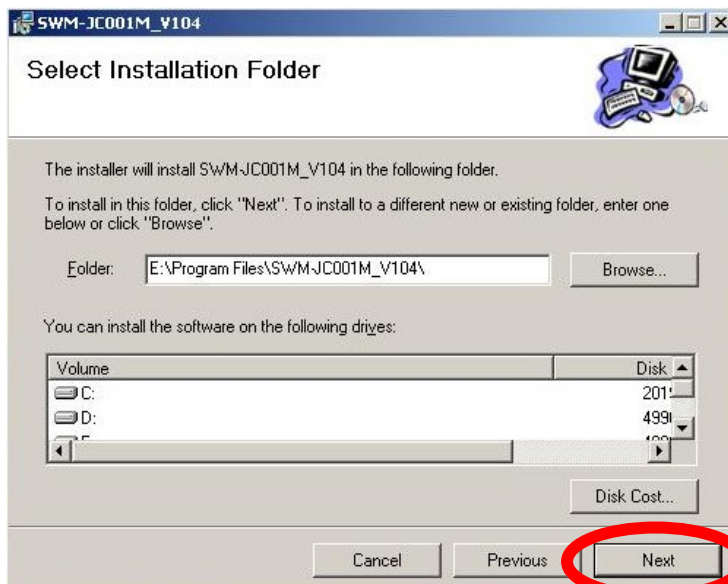
(6) Confirm the name of the drive and folder (directory) for installation destination.

"E:\Program Files\SWM-JC001M_Vxxx\" has been already designated for installation as default.

If this designation is OK, click [Next].

To cancel the installation, click [Cancel].

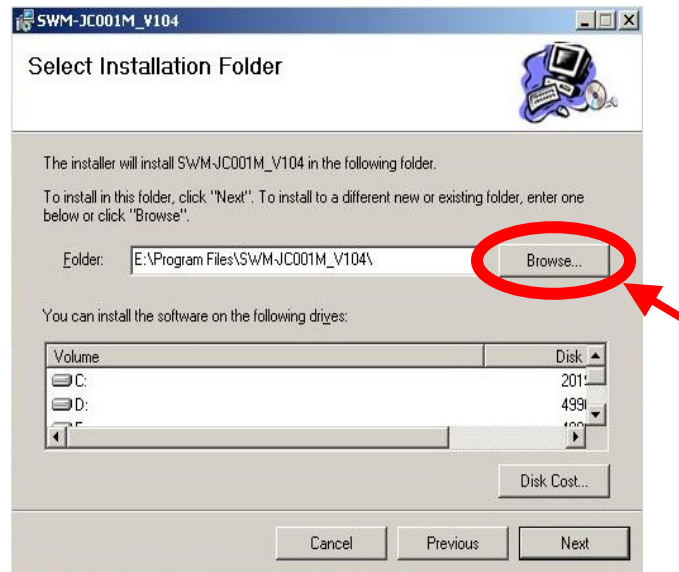
To return to the previous screen, click [Previous].



(Fig. 1.2-6)

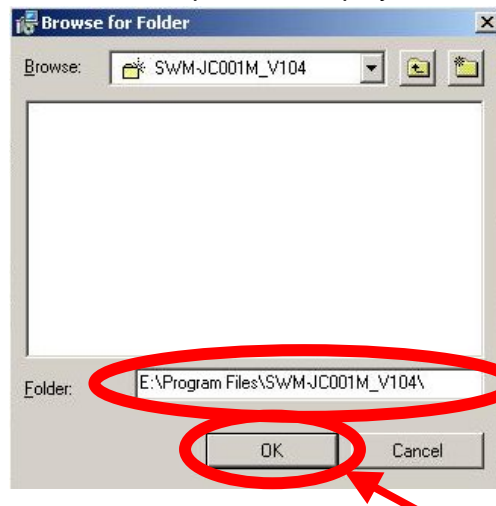
Displays for changing the installation destination

To change the installation destination, click [Browse].



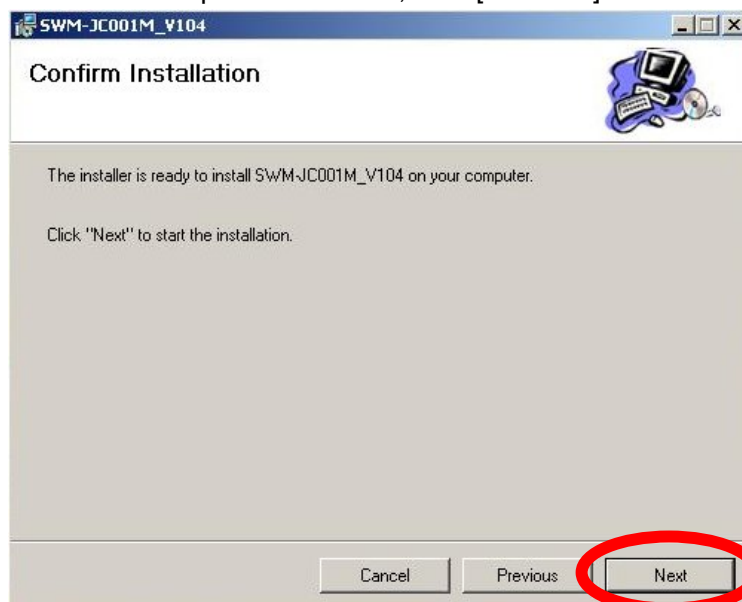
(Fig. 1.2-7)

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



(Fig. 1.2-8)

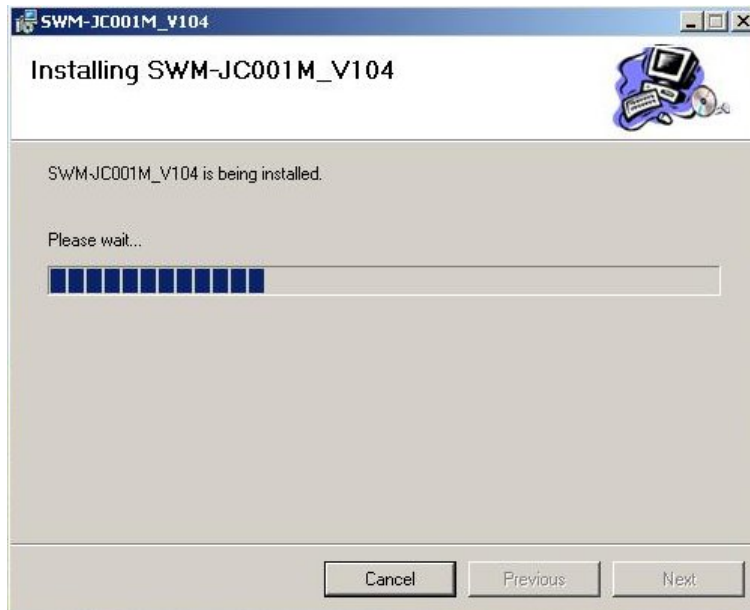
- (7) The screen for confirming installation appears.
Click [Next].
To cancel installation, click [Cancel].
To revert to the previous screen, click [Previous].



(Fig. 1.2-9)

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

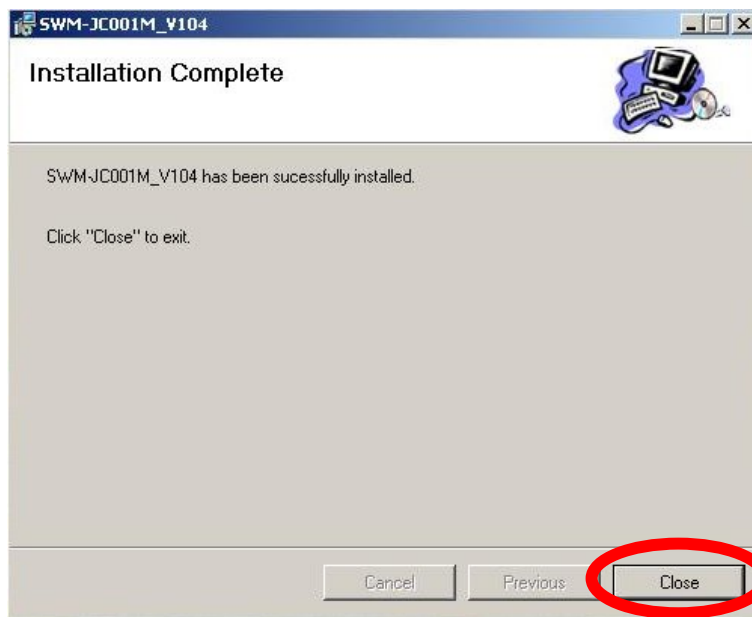
To cancel installation, click [Cancel].



(Fig. 1.2-10)

(9) When installation is complete, the following display will appear.

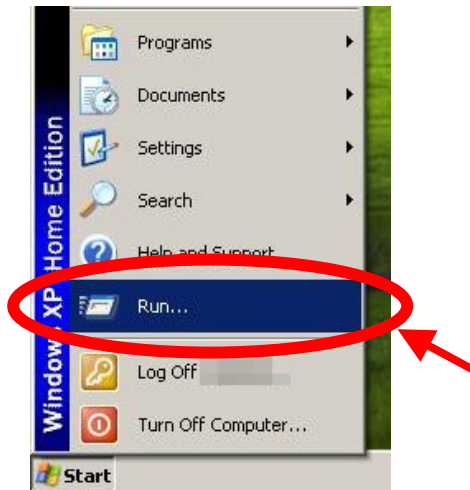
Click [Close].



(Fig. 1.2-11)

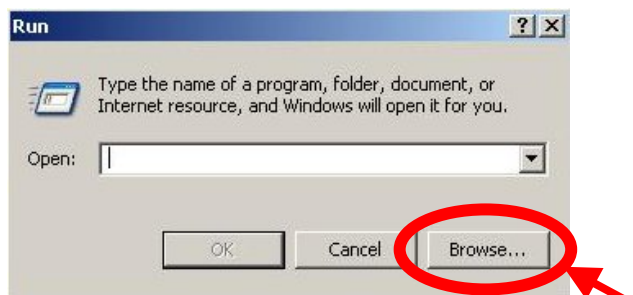
When the computer is running Windows 95/98/NT4.0

(1) Select [Run...] and click on it.



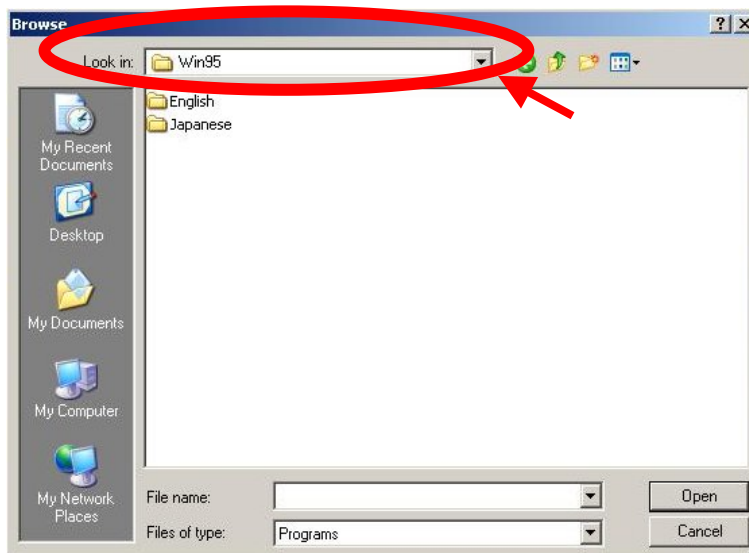
(Fig. 1.2-12)

(2) Click [Browse...].



(Fig. 1.2-13)

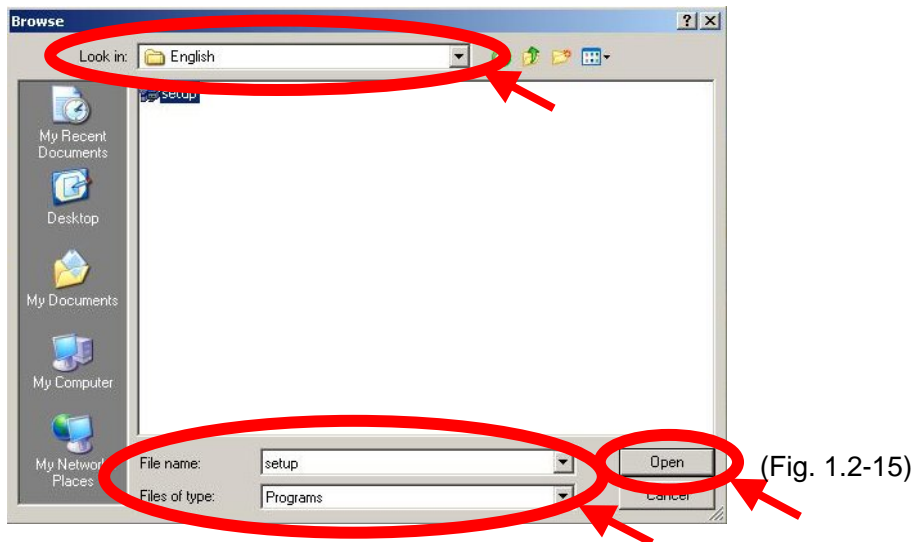
(3) Select "Local Disk (D:)", then select "SWM-JC001M_Vxxx" - "Win95" from [Look in].



(Fig. 1.2-14)

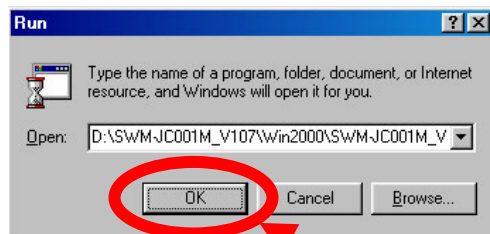
- (4) Select “English” folder.

The setup file (setup.exe) will appear. Select this file and click [Open].

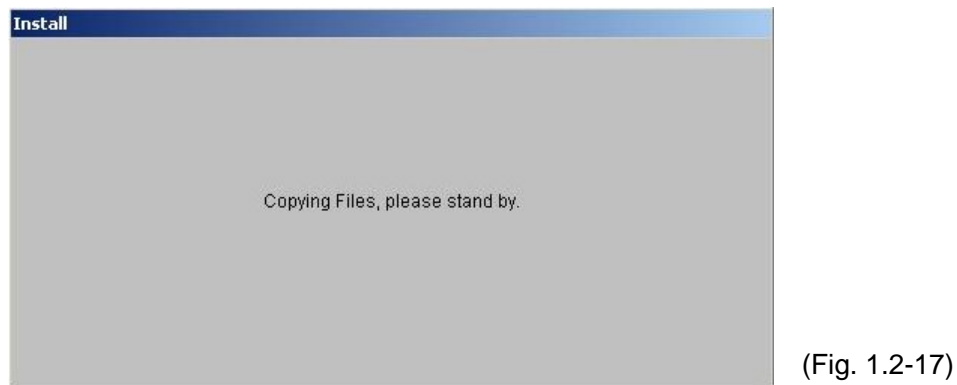


- (5) Click [OK].

SWM-JC001M_Vxxx setup wizard appears.

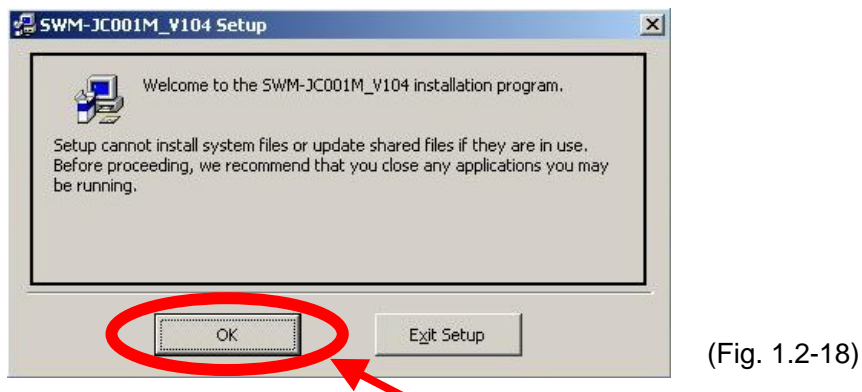


- (6) While the setup file is being copied, the following screen appears.

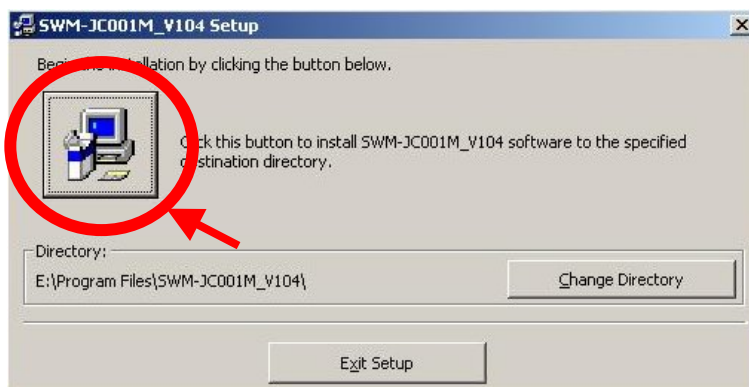


- (7) Click [OK].

To cancel installation, click on the [Exit Setup].



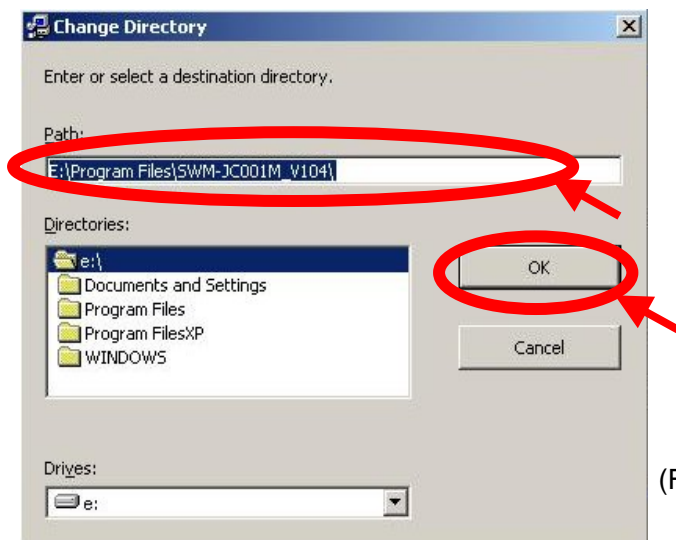
- (8) Confirm the name of the drive and folder (directory) for installation destination.
 “C:¥Program Files¥ SWM-JC001M_Vxxx¥” has been already designated for installation.
 If this designation is OK, click the icon.
 To change the installation destination, click on the [C]hange Directory].
 To cancel installation, click on the [E]xit Setup].



(Fig. 1.2-19)

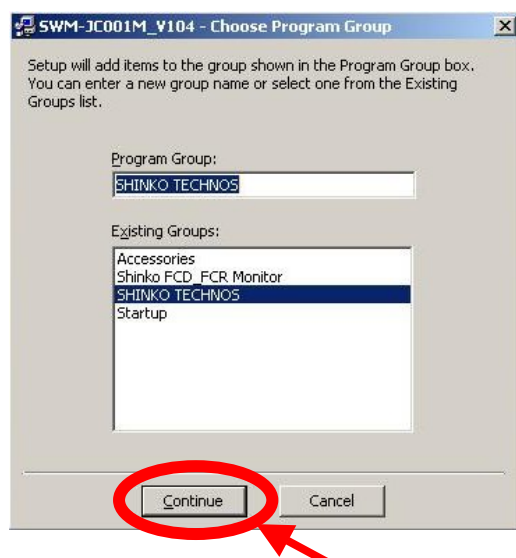
Displays for changing the installation destination

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



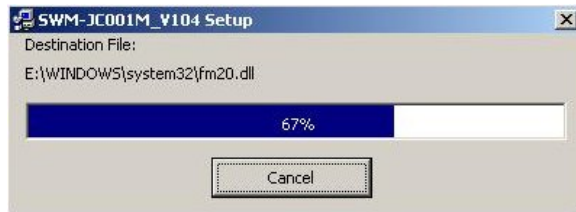
(Fig. 1.2-20)

- (9) Select a program group for monitoring software.
 SHINKO TECHNOS group has been designated as default.
 If this group is OK, click [C]ontinue].
 To change the group name, input a new group name or select one from the existing group list.
 To cancel installation, click [Cancel].



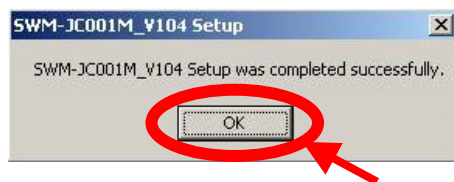
(Fig. 1.2-21)

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



(Fig. 1.2-22)

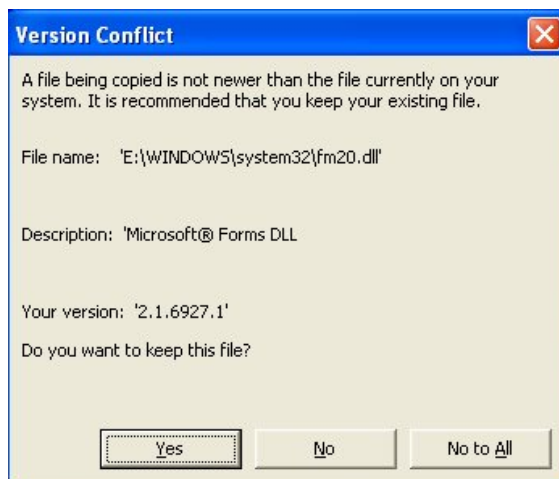
- (11) When installation is complete, the following screen will appear.
Click [OK].



(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.

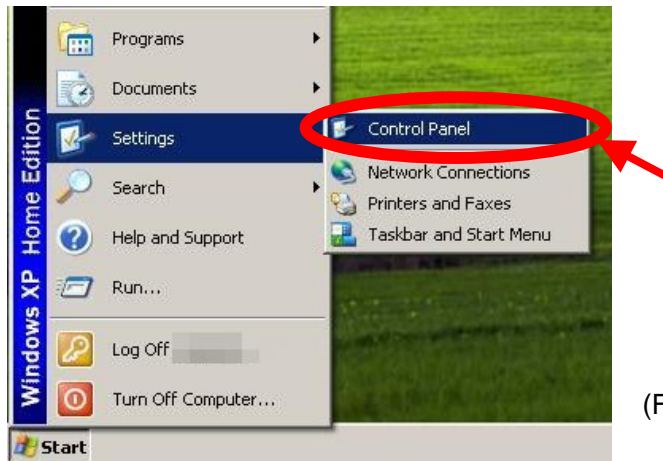


(Fig. 1.2-24)

1.3 Uninstalling the software

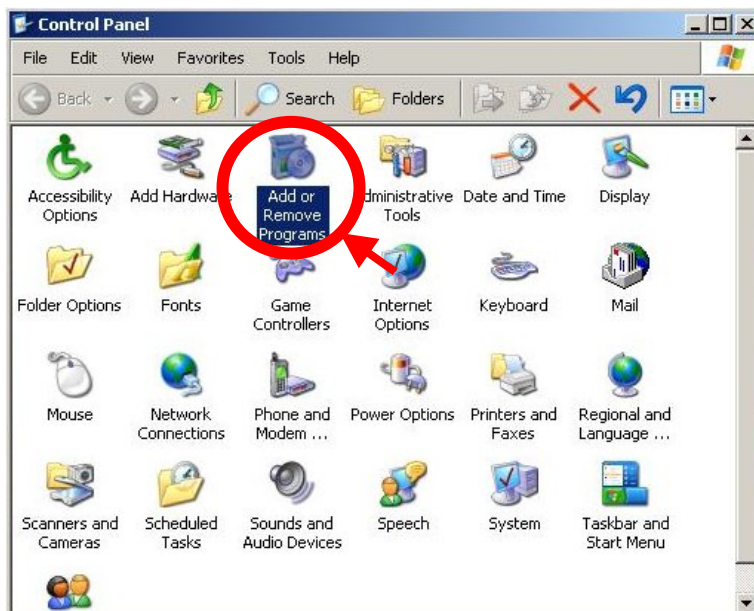
The procedures to uninstall the related files of the monitoring software “SWM-JC001M” from the hard disk are described as follows.

- (1) Select [Settings] on the start menu – [Control panel], and click.



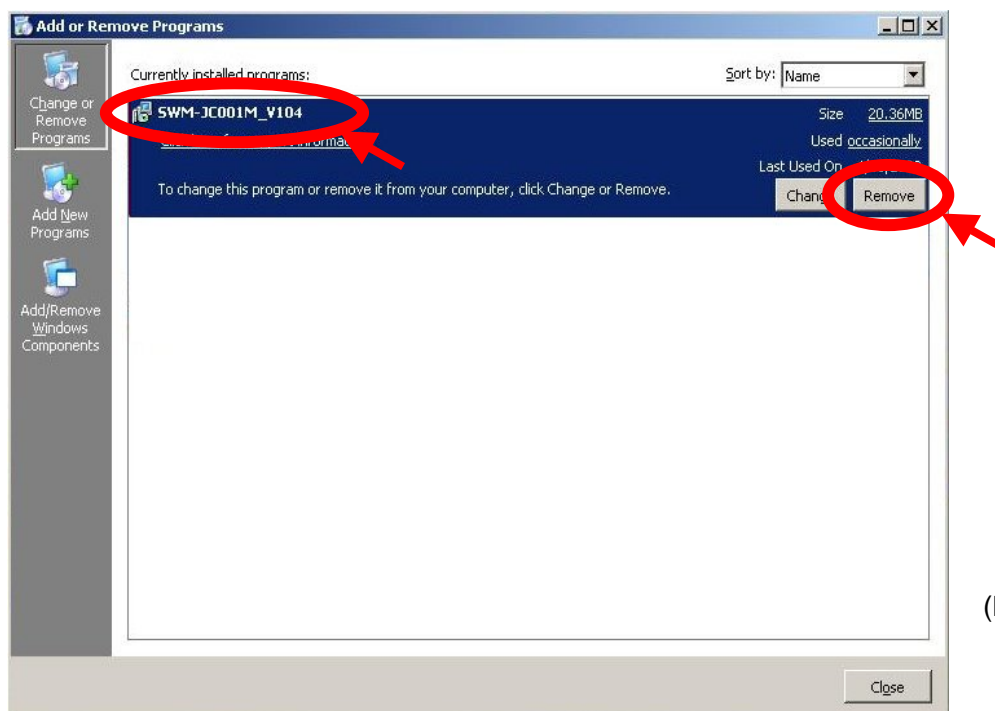
(Fig. 1.3-1)

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



(Fig. 1.3-2)

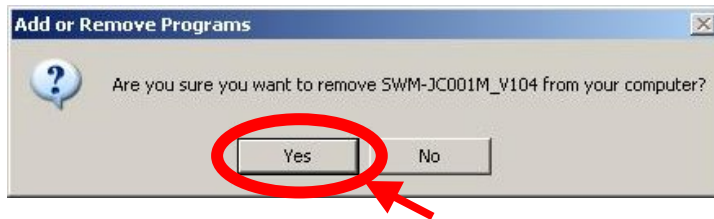
- (3) Click or select “SWM-JC001M_Vxxx” in the application list, and click [Remove].



(Fig. 1.3-3)

- (4) The dialog box to confirm the removal will appear.

Click [Yes].



(Fig. 1.3-4)

- (5) The file uninstalling status will be indicated with bar graph.

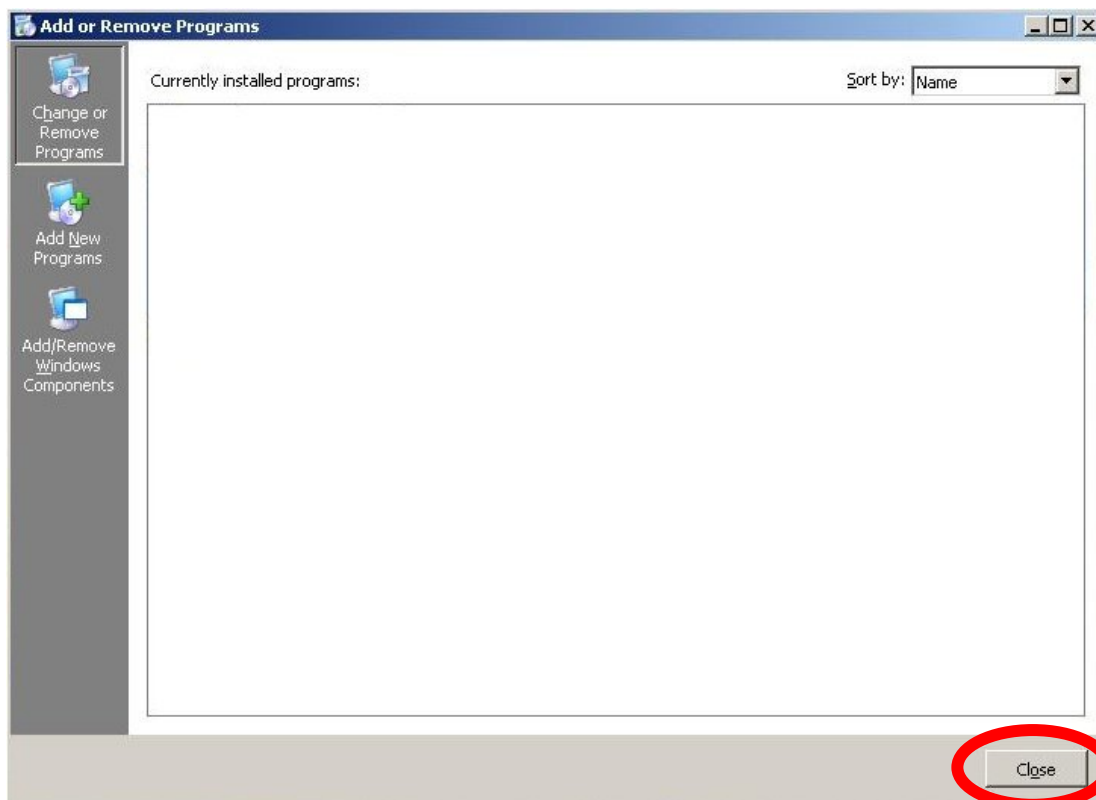
To cancel uninstalling the software, click [Cancel].



(Fig. 1.3-5)

- (6) If uninstalling the software is completed normally, the following display will appear.

Click [Close].



(Fig. 1.3-6)

2. Starting and terminating the monitoring software

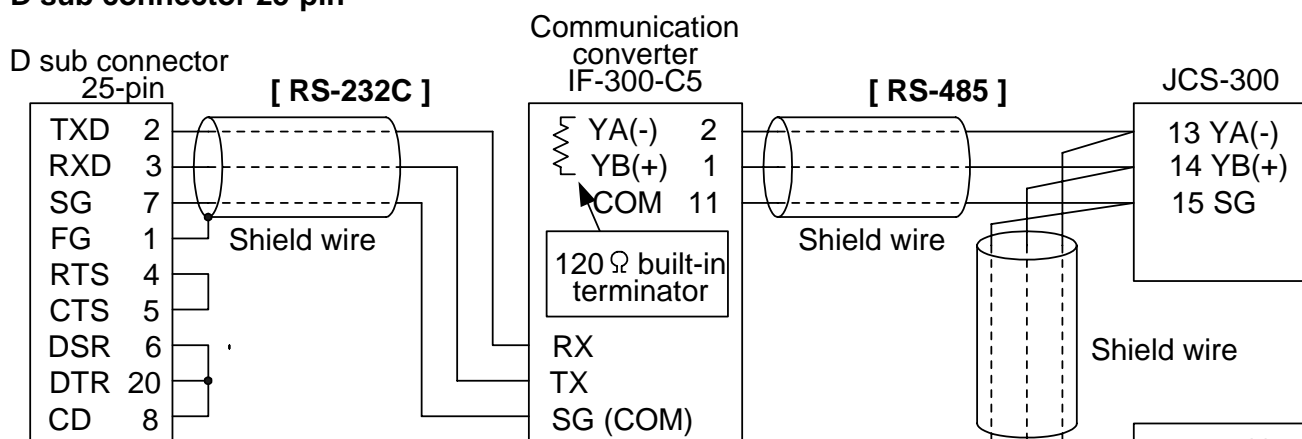
2.1 Wiring to a personal computer

For wiring between a personal computer and the JCx-33A (DCL-33A), refer to the “Wiring connection” of the Communication instruction manual for JCx-33A (DCL-33A).

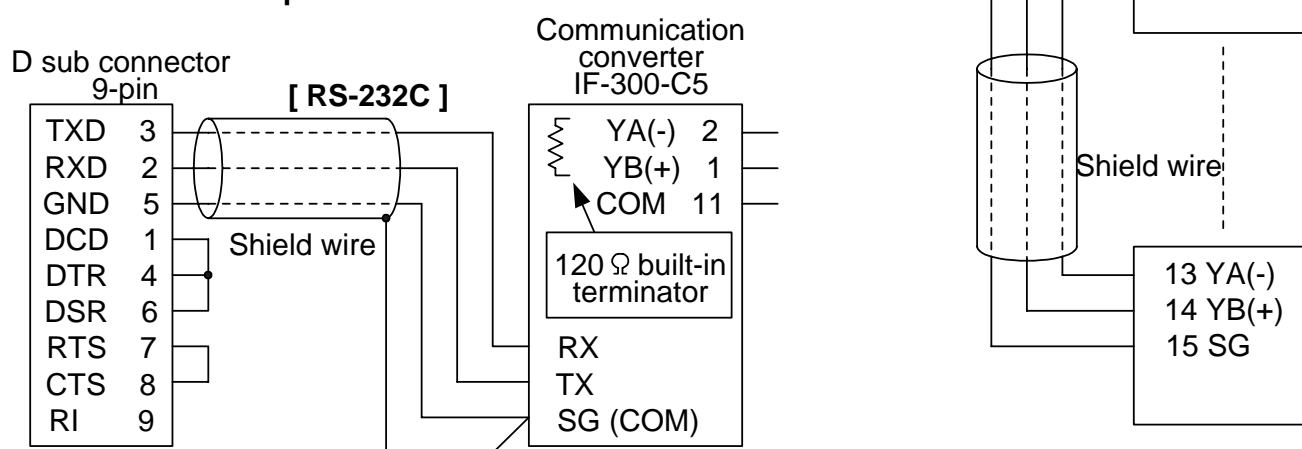
● Wiring example

When connecting a personal computer to JCS-300 via communication converter IF-300-C5

D sub connector 25-pin



D sub connector 9-pin



(Fig. 2.1-1)

⚠ Notice

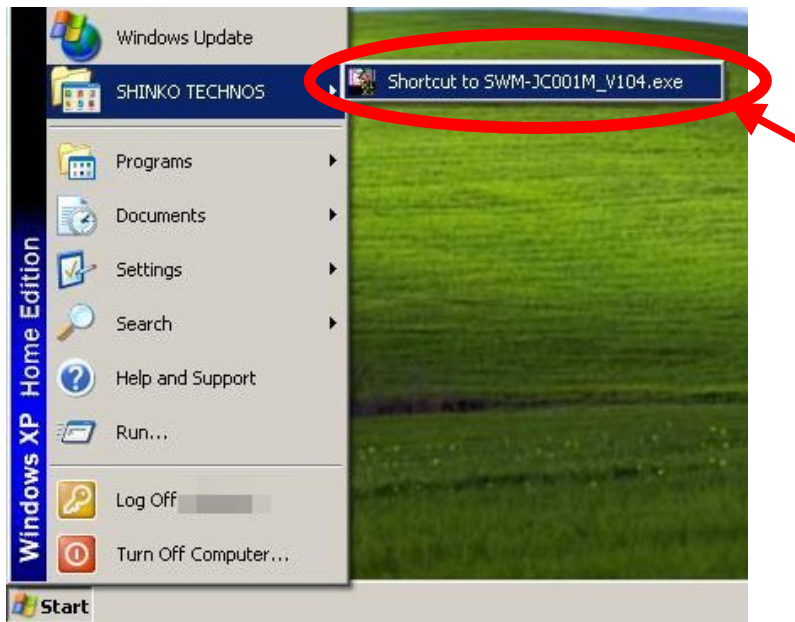
Before starting the Monitoring software, check the following points, referring to the “Setup” in the instruction manual for JCx-33A (DCL-33A).

- (1) The instrument numbers must begin from “0” in sequence. If not, the software cannot start.
(e.g.) When connecting three JCx-33A (DCL-33A) 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).

2.2 Starting the monitoring software

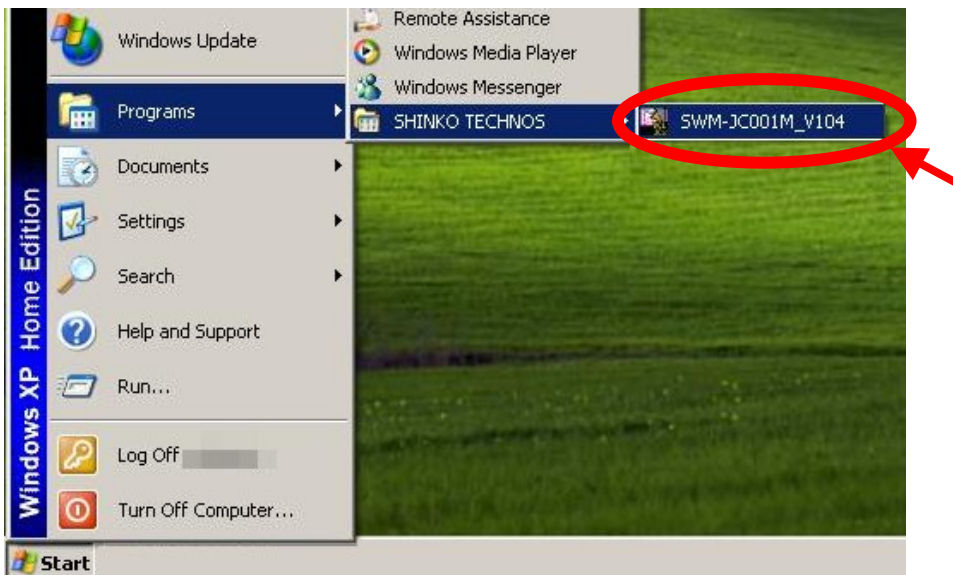
- (1) Confirm that the communication cable has been connected to communication port of the personal computer.

For Windows Me/2000/XP, select [SHINKO TECHNOS] on the start menu – [Shortcut to SWM-JC001M_Vxxx.exe], and click.



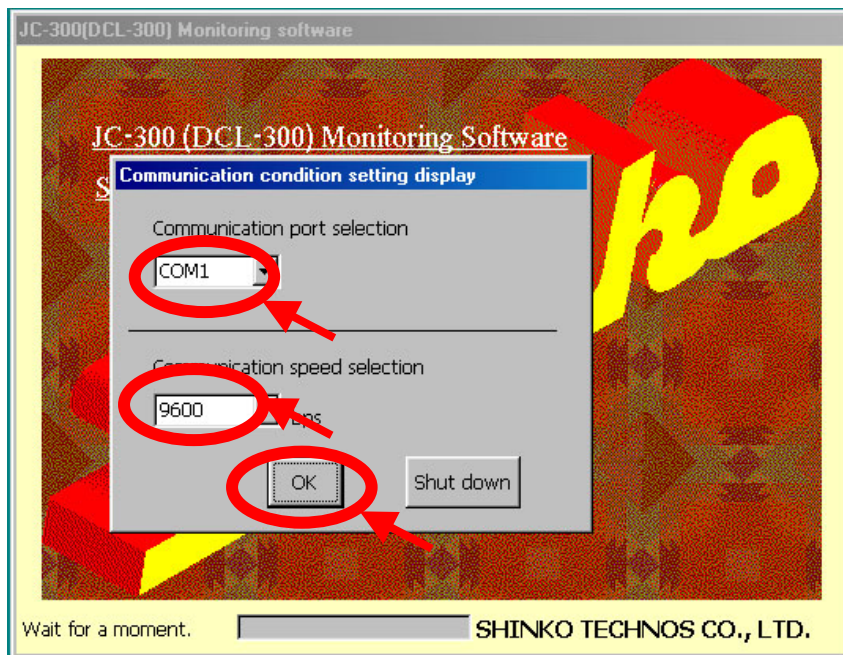
(Fig. 2.2-1)

For Windows 95/98/NT4.0, select [Programs] on the start menu – [SHINKO TECHNOS] – [SWM-JC001M_Vxxx] and click.



(Fig. 2.2-2)

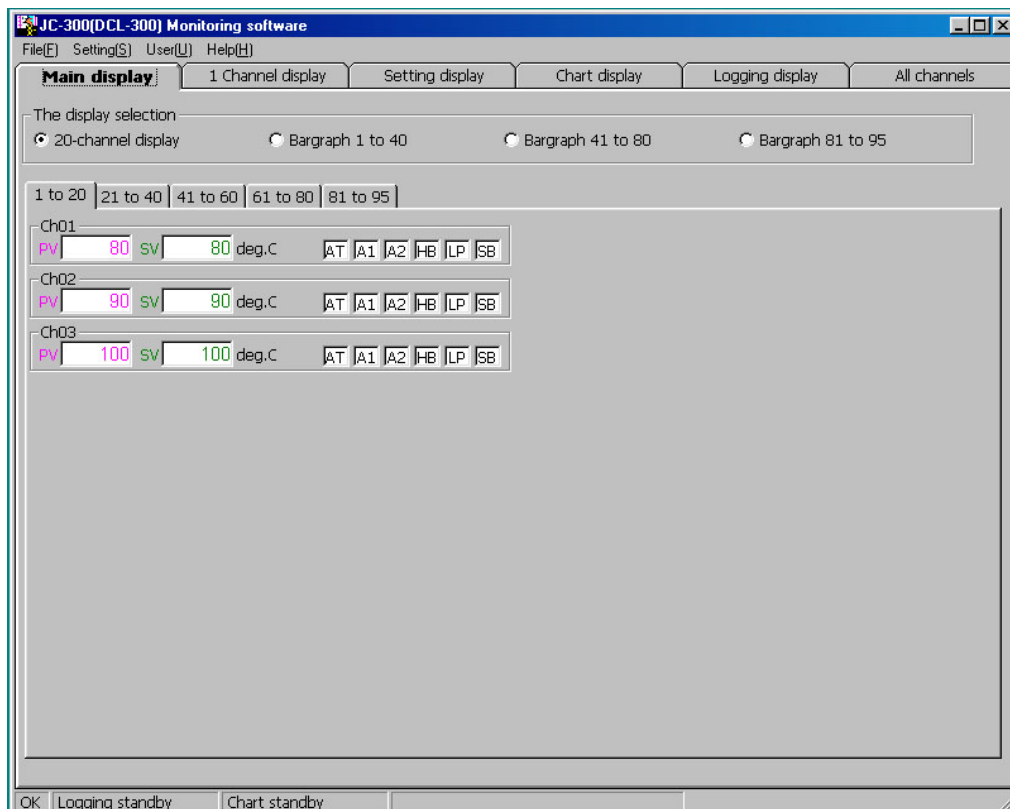
- (2) The monitoring software opening display will appear, and JCx-33A (DCL-33A) data will be read.
If Communication condition setting display appears, select the communication port and speed, then click the [OK].



(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

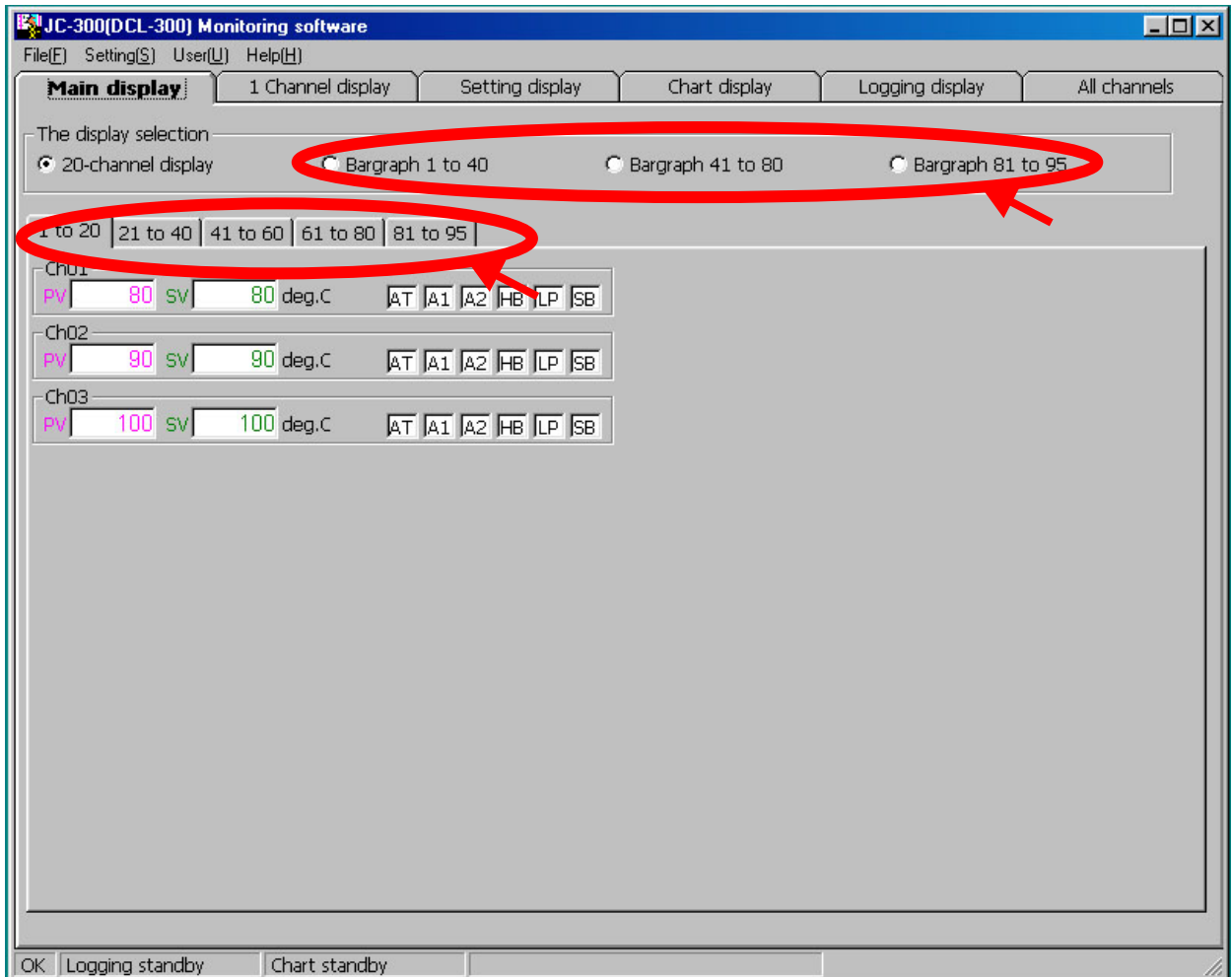
2.3.1 Displays

Displays can be changed by clicking the tab.

(1) Main display

PV, SV and Alarm status of the units for up to 95 channels can be monitored every 20 channels.

Only the connected units are indicated



(Fig. 2.3.1-1)

Operation explanation

By clicking the following tab, 20 channels can be switched at a time.

[1 to 20] tab : The data for instrument numbers 0 to 19 are indicated.

[21 to 40] tab : The data for instrument numbers 20 to 39 are indicated.

[41 to 60] tab : The data for instrument numbers 40 to 59 are indicated.

[61 to 80] tab : The data for instrument numbers 60 to 79 are indicated.

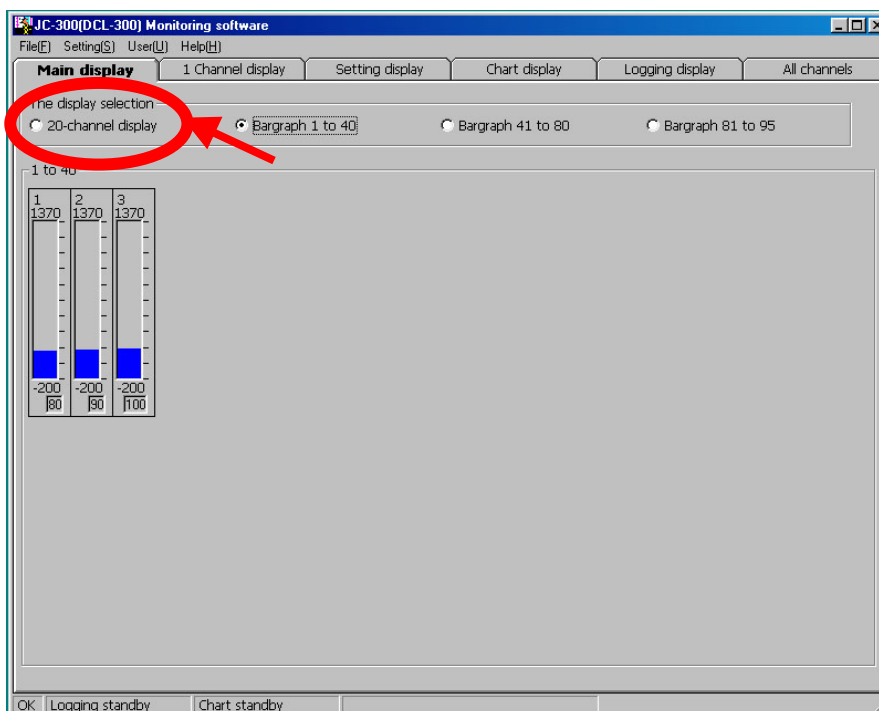
[81 to 95] tab : The data for instrument numbers 80 to 94 are indicated.

☐ Bar graph 1 to 40 : If ☐ is clicked (☒), the bar graph screen for instrument numbers 0 to 39 appears.

☐ Bar graph 41 to 80: If ☐ is clicked (☒), the bar graph screen for instrument numbers 40 to 79 appears.

☐ Bar graph 81 to 95: If ☐ is clicked (☒), the bar graph screen for instrument numbers 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 high limit value, bar graph, scaling low limit value, PV

Bar graph color

Blue: Normal status

Red : If any alarm listed below is activated, the color of bar graph turns to red.

(Alarm 1, Alarm 2, Heater burnout alarm, Loop break alarm, Sensor burnout alarm, Overscale, Underscale)

After the alarm is released, the color of the bar graph turns from red 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 instrument numbers 0 to 39 appears.

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

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

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

(2) 1 channel display

One unit selected during channel name selection can be monitored.

If the JCx-33A is connected, the indicated button differs depending on OUT/OFF key function selection (selected by keypad).

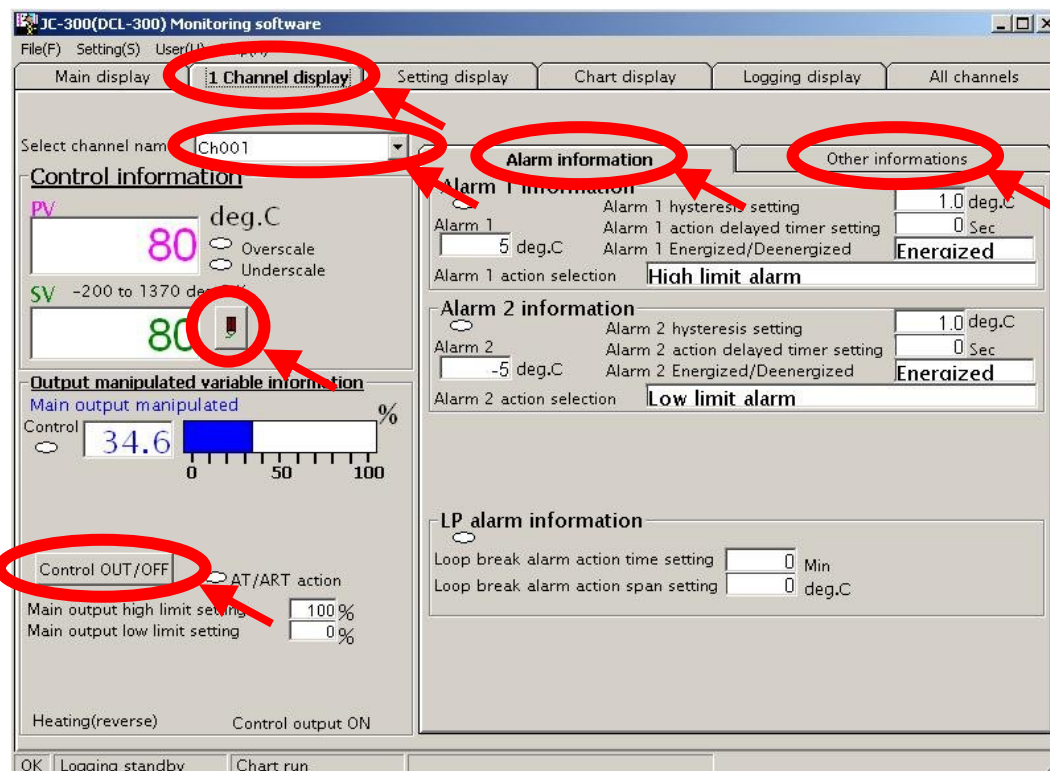
If OUT/OFF function is selected, the [Control OUT/OFF] button is indicated.

If Auto/Manual control function is selected, the [Auto/Manual] button is indicated.

Cooling output MV, Alarm 2 information, Heater burnout alarm and Loop break alarm are indicated only when those options are applied.

If the DCL-33A is connected, [Control OUT/OFF] and [Auto/Manual] button are not indicated since the DCL-33A does not have the OUT/OFF function.

Cooling output MV and Alarm 2 information are not indicated either since the DCL-33A does not have these optional specifications.



(Fig. 2.3.1-3)

Operation explanation

[Select channel name]

: Select a 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].

[Control OUT/OFF] button

: If this button is clicked during control performance, control output OFF function initiates and all outputs are turned OFF. If this button is clicked again, the control output OFF function is released and the controller returns to control performance status.

[Auto/Manual] button

: If this button is clicked during the automatic control, manual control starts. Set MV by clicking [+10.0], [+1.0], [+0.1], [-0.1], [-1.0] and [-10.0] button.

If this button is clicked during the manual control, automatic control starts.

[Alarm information] tab

: Indicates information on Alarm 1, Alarm 2, Heater burnout alarm, Loop break alarm, etc.

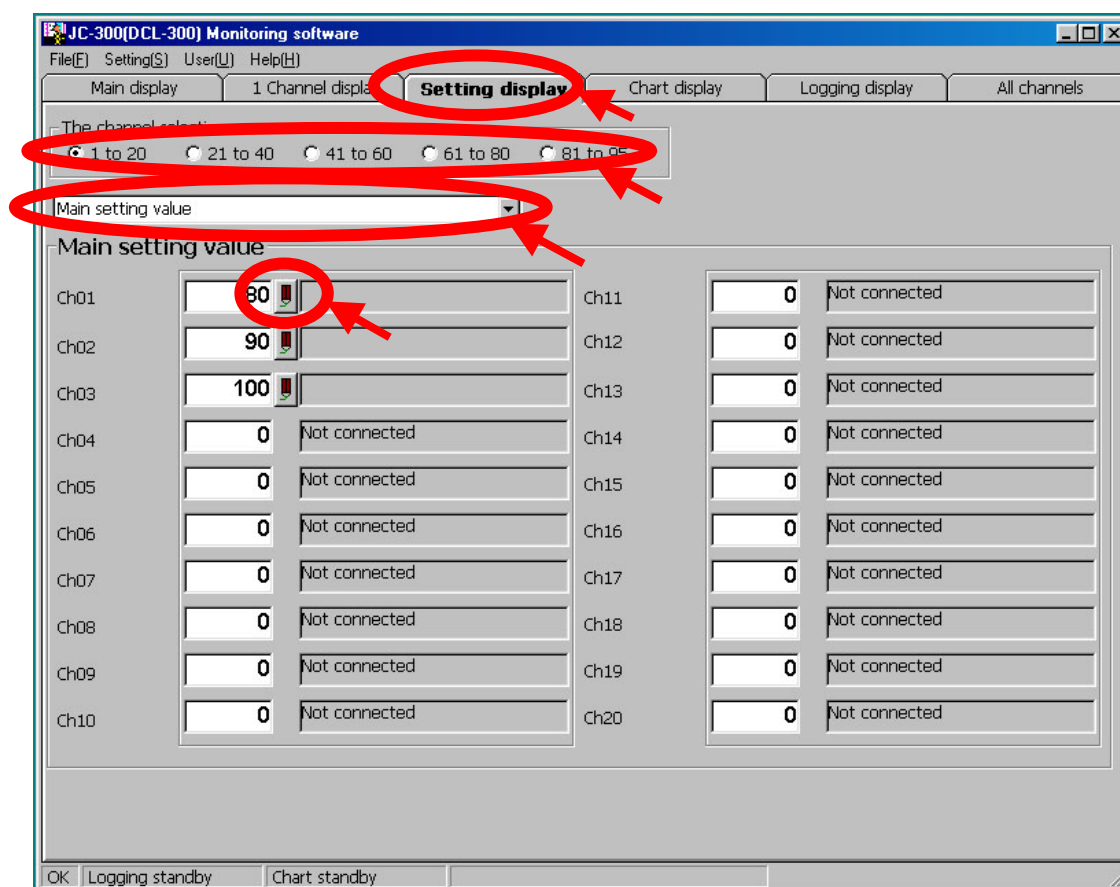
[Other information] tab

: 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 instrument number 0 to 19 are indicated.
- ☐ 21 to 40 : If ☐ is clicked (☐), the setting values of instrument number 20 to 39 are indicated.
- ☐ 41 to 60 : If ☐ is clicked (☐), the setting values of instrument number 40 to 59 are indicated.
- ☐ 61 to 80 : If ☐ is clicked (☐), the setting values of instrument number 60 to 79 are indicated.
- ☐ 81 to 95 : If ☐ is clicked (☐), the setting values of instrument number 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. Input or select the setting value and click [OK].

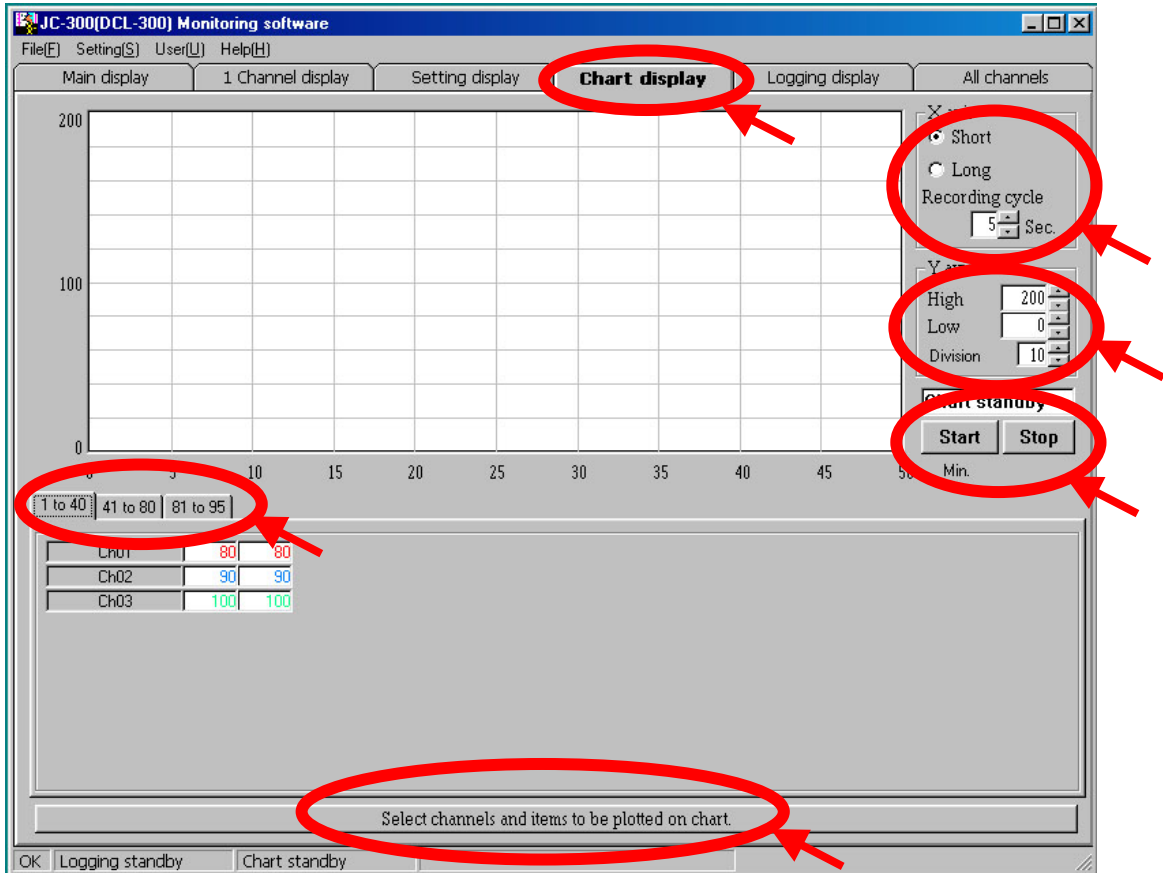
(4) Chart display

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.

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: Short (600)
Recording cycle: 5 sec. } 3000 seconds

↓
X axis indication: 0 to 50 minutes.

[Y axis]: Set the high limit and low 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.

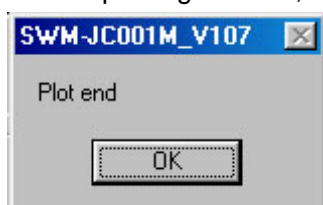
[1 to 40] tab : Data of instrument numbers 0 to 39 is indicated.

[41 to 80] tab : Data of instrument numbers 40 to 79 is indicated.

[81 to 95] tab : Data of instrument numbers 80 to 94 is indicated.

[Select channels and items to be plotted on chart] button: Clicking this button goes to the Chart plot condition setting display.

After chart plotting finishes, the following display appears.

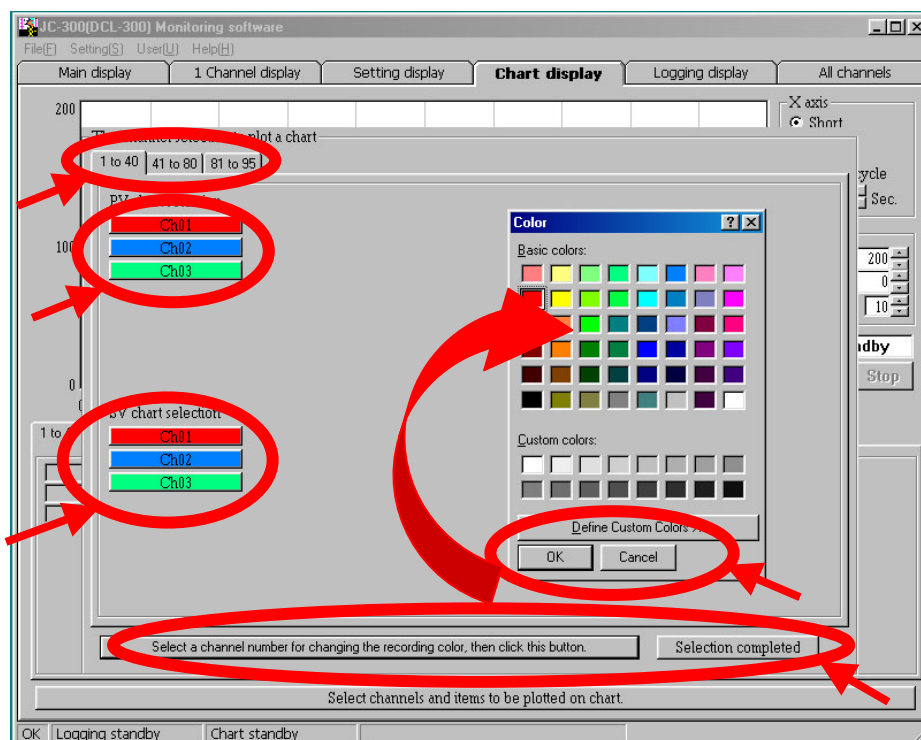


(Fig. 2.3.1-6)

(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 instrument numbers 0 to 39.

[41 to 80] tab : Sets chart plot condition for instrument numbers 40 to 79.

[81 to 95] tab : Sets chart plot condition for instrument numbers 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.

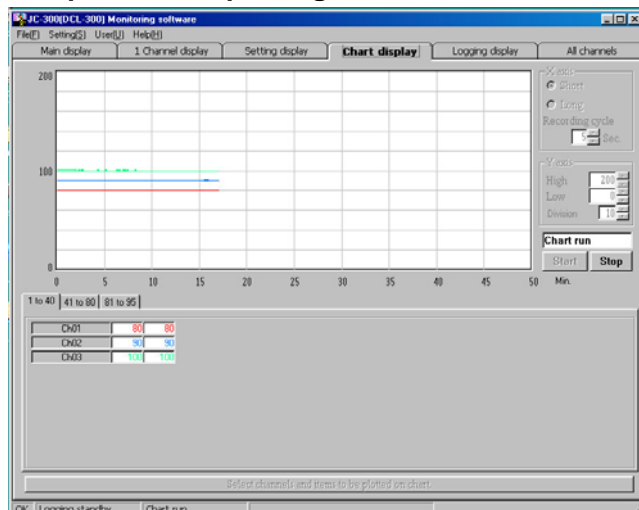
Color selection display

[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.

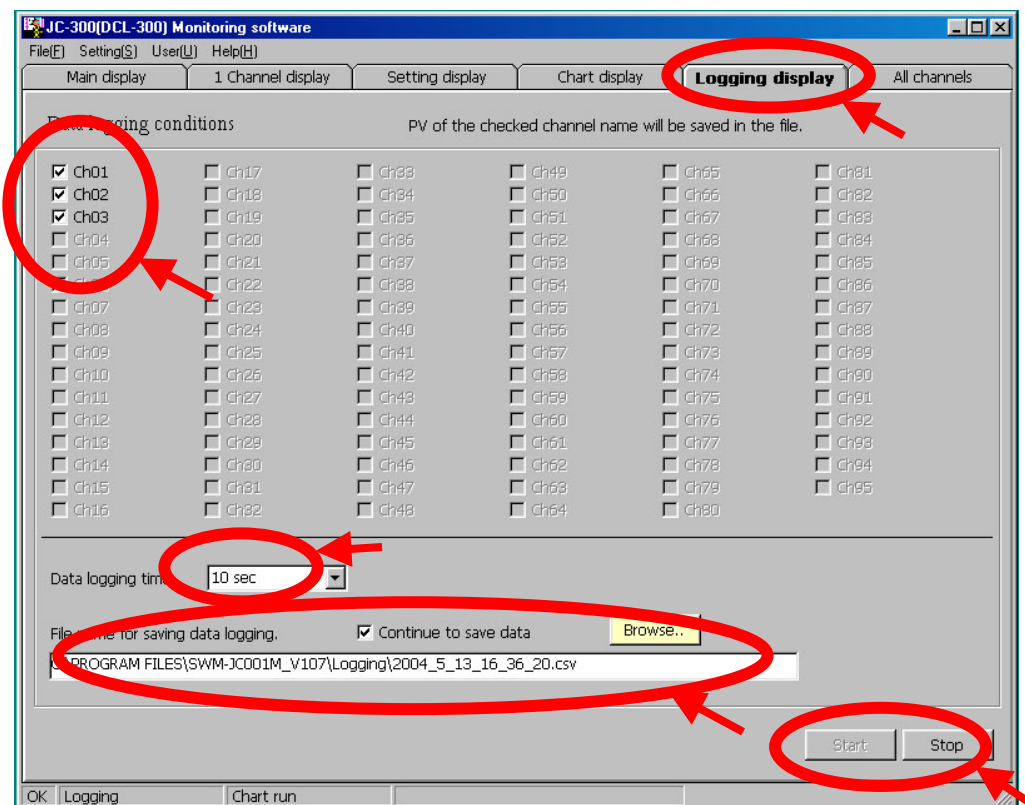
Unless data logging saving destination is specified, logging cannot be started.

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 95] 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

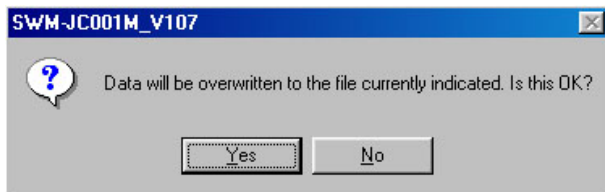
If the monitoring software is closed during data logging, logging starts automatically when the software starts. However, saving method in file is different depending on whether [Continue to save data] is checked or not.

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**

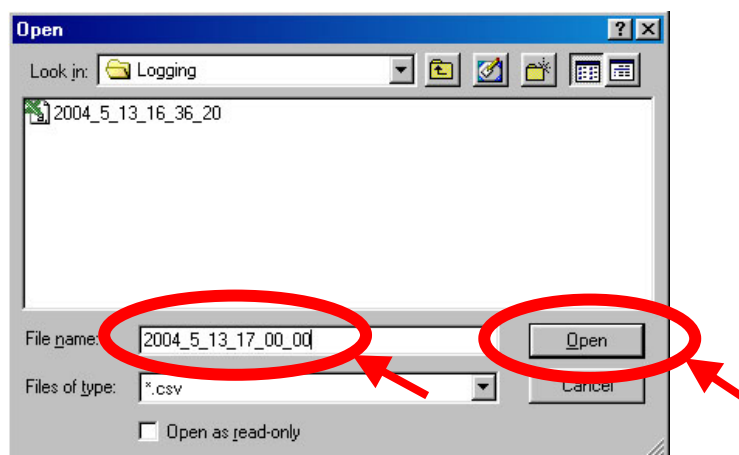
If the file is overwritten, all the previous data is cleared.
Designate a new file if you don't want to clear the data.

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



(Fig. 2.3.1-11)

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



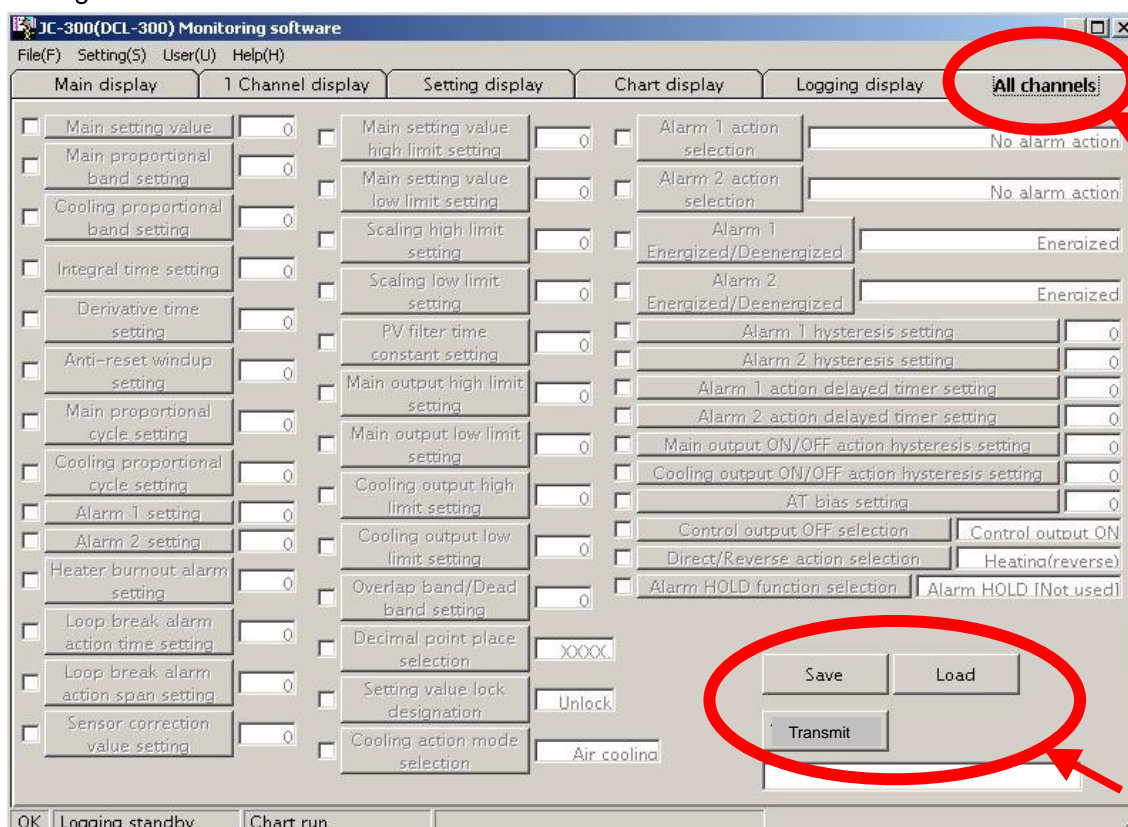
(Fig. 2.3.1-12)

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 from a file.



(Fig. 2.3.1-13)

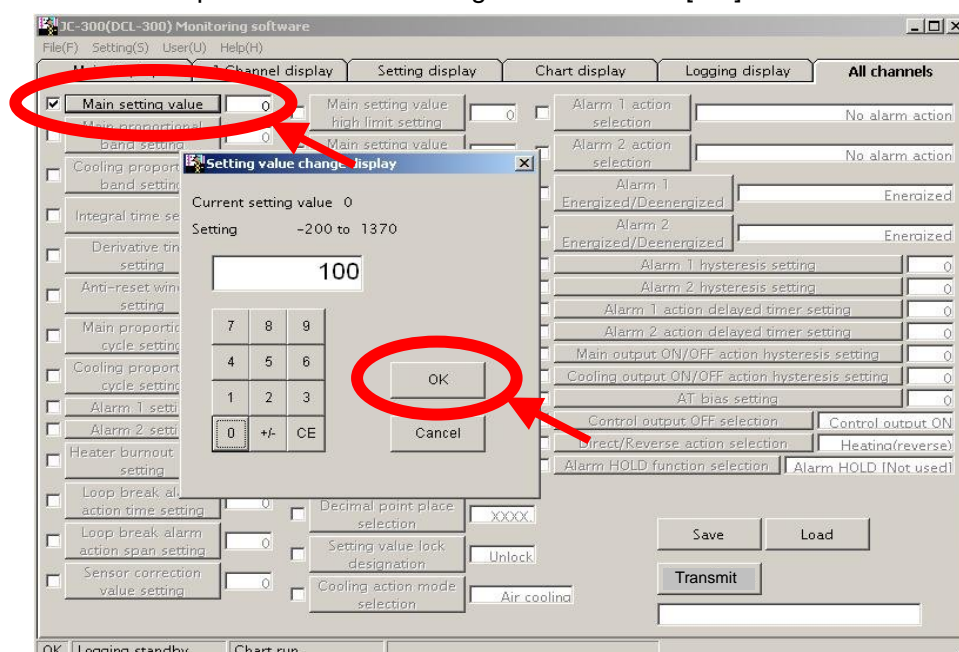
Operation explanation

☐ Each setting/selection item : Check the box ☐ to select the item for transmission.

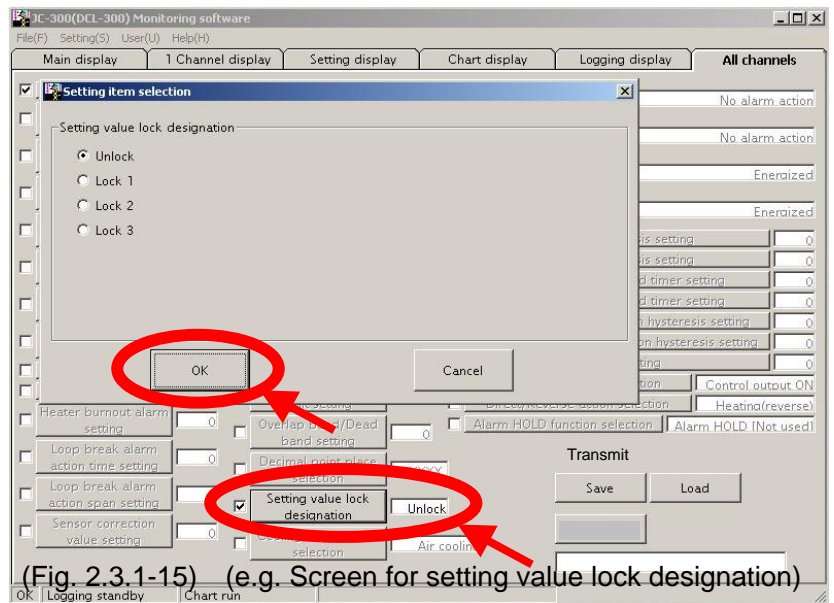
By checking the box, each setting/selection item will take effect and the value can be set or selected.

Each setting/selection button : By clicking this button, the ten-key window or selection screen appears.

Input or select the setting value and click [OK].

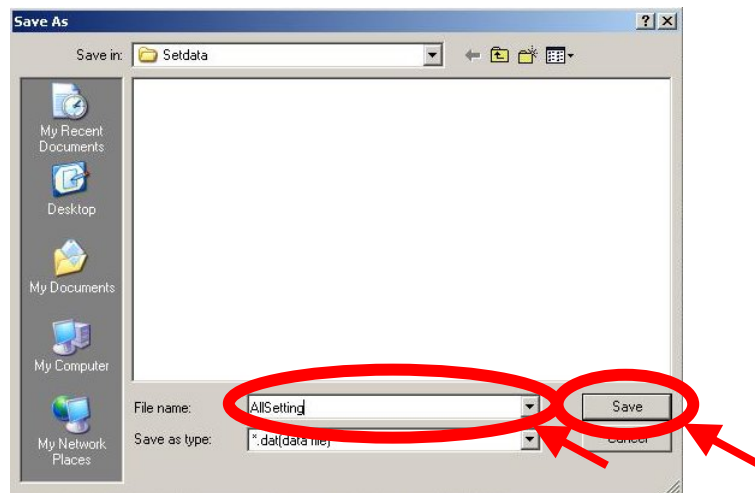


(Fig. 2.3.1-14) (e.g. Ten-key window for setting Main setting value)



[Save] button

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



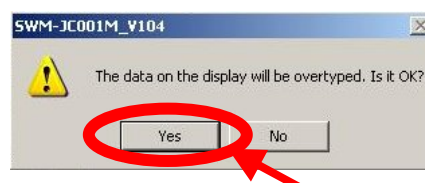
(Fig. 2.3.1-16)

Enter a file name and click [Save] button.

The data on the screen will be saved in a file from the “Setdata” folder in the installation folder.

[Load] button

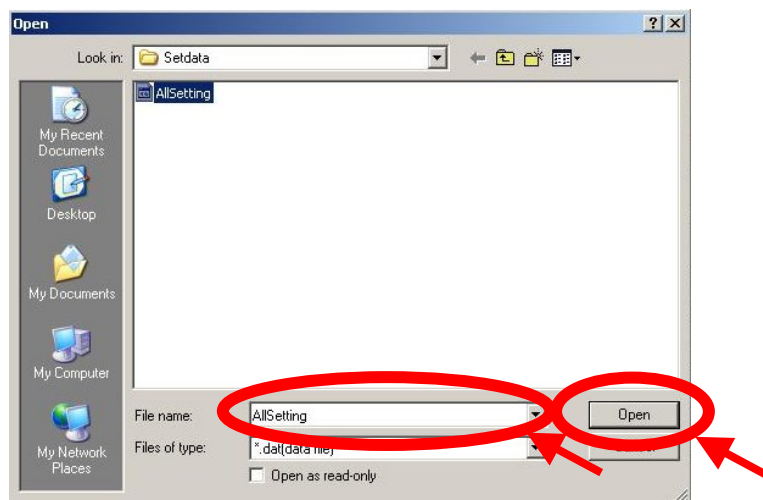
: If this button (Fig. 2.3.1-13) is clicked, a dialogue box [The data on the display will be overtyped. Is it OK?] will appear.



(Fig. 2.3.1-17)

Clicking the [Yes] button opens the dialog box.

Clicking the [No] button closes the above screen.

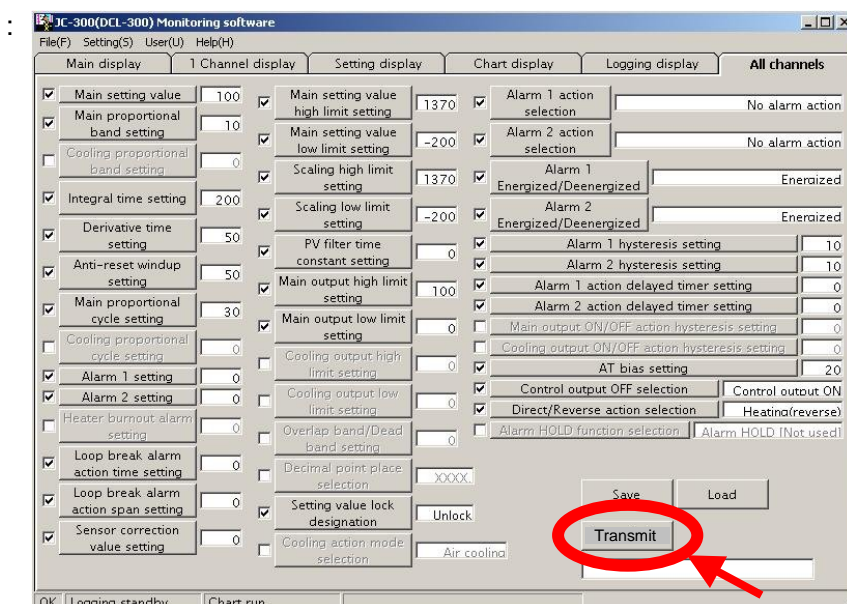


(Fig. 2.3.1-18)

Select a file and click [Open].

The data is read from the file and the screen indication is updated.

[Transmit] button



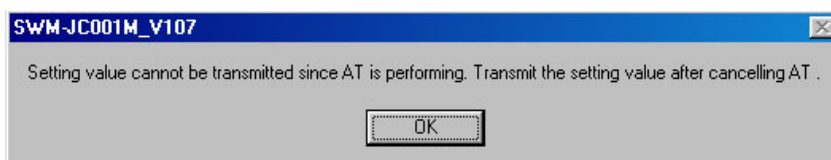
(Fig. 2.3.1-19)

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. Even if the items are checked, they are not transmitted to the units which are performing AT (auto-tuning), and the following display appears.



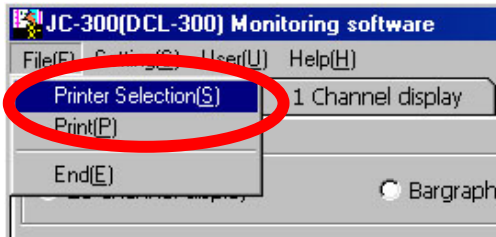
(Fig. 2.3.1-21)

2.3.2 Menu bar operation

(1) Printer selection

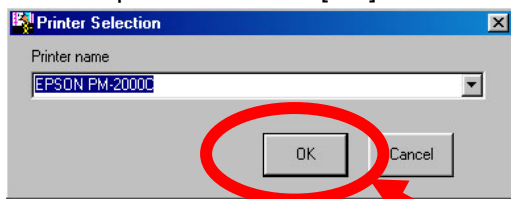
The printer for printing can be selected.

- 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].

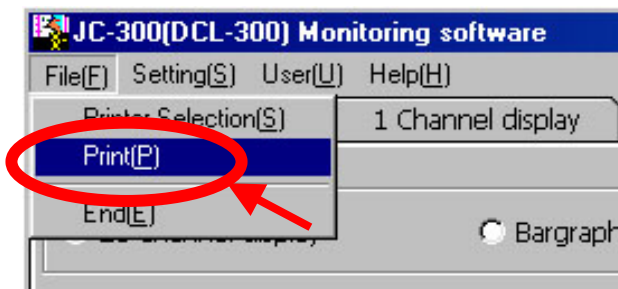


(Fig. 2.3.2-2)

(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.

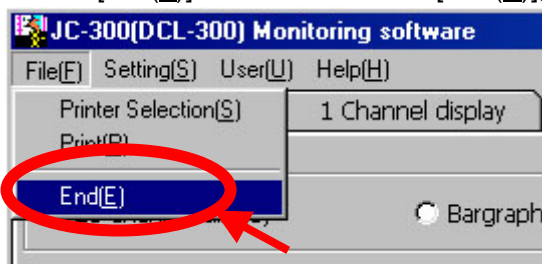


(Fig. 2.3.2-3)

(3) Terminating the monitoring software

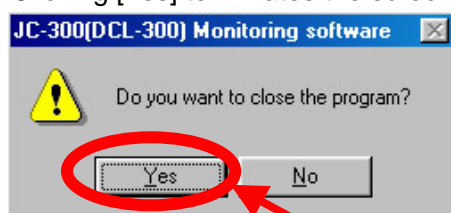
Terminate the monitoring software as follows.

- ① Select [File(E)] 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.



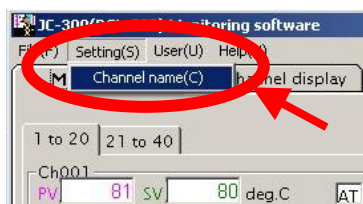
(Fig. 2.3.2-5)

(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.

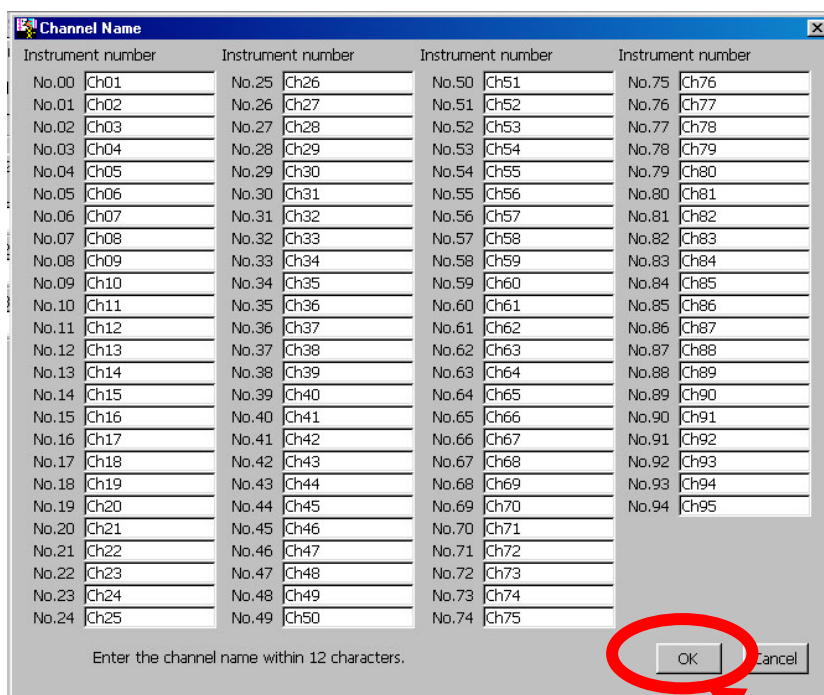
- ① Select [Setting(S)] on the menu bar – [Channel name(C)] and click.



(Fig. 2.3.2-6)

- ② Channel name registration screen appears.

Enter a channel name and click [OK].

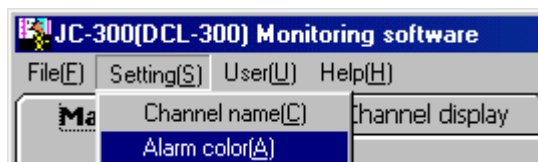


(Fig. 2.3.2-7)

(5) Alarm color setting

The color for Alarm 1, Alarm 2 and Combined alarms (Alarm 1 and Alarm 2 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)

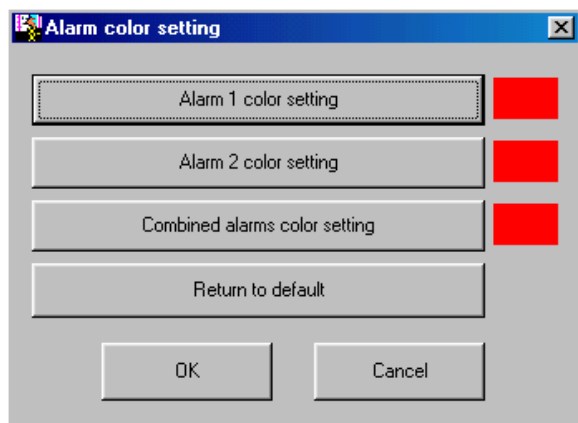
Click the button to be changed. Color screen will appear.

Set a color, and click the [OK]. The screen will revert to the Alarm color setting screen.

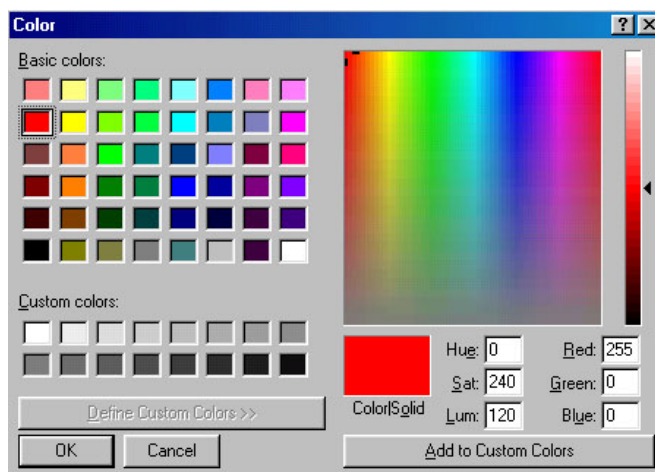
By clicking the [OK] on the Alarm color setting screen, the color of alarm indicators on the monitoring software will turn to the set color.

Clicking the [Cancel] button cancels the color setting.

Combined alarms (Alarm 1 and Alarm 2 are activated simultaneously) color setting is only effective on the screen of Fig. 2.3.1-2. (Page 21)



(Fig. 2.3.2-9)

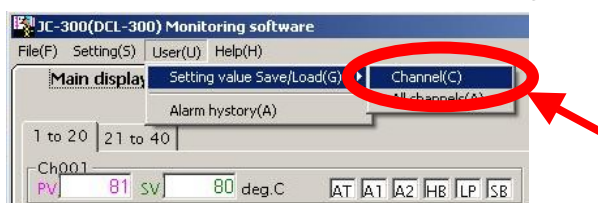


(Fig. 2.3.2-10)

(6) Setting value Save/Load per channel

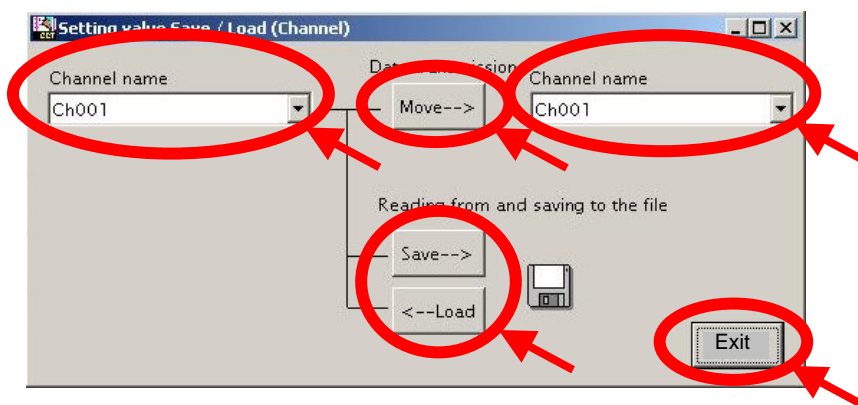
The setting values on the screen can be saved in a file or loaded from files per channel. Data transmission between channels can be carried out.

- 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

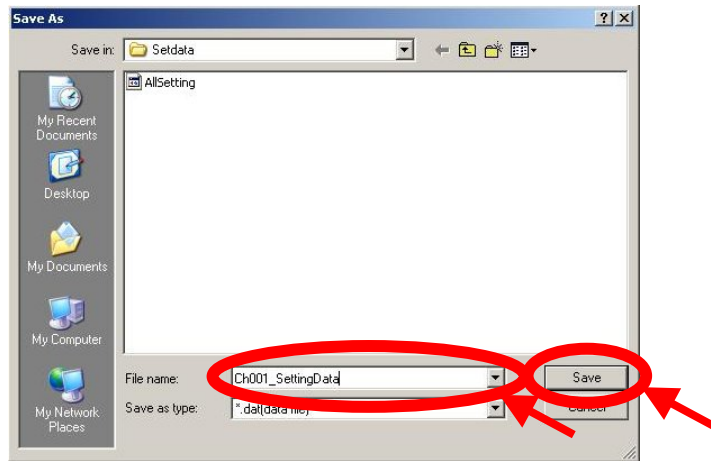
Channel name : Select a channel name to save or to load.

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.

However, data transmission between JCx-33A and DCL-33A cannot be carried out since setting items are different from each other.

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

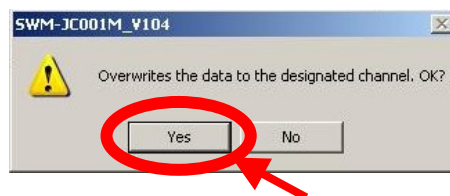


(Fig. 2.3.2-13)

Input 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.

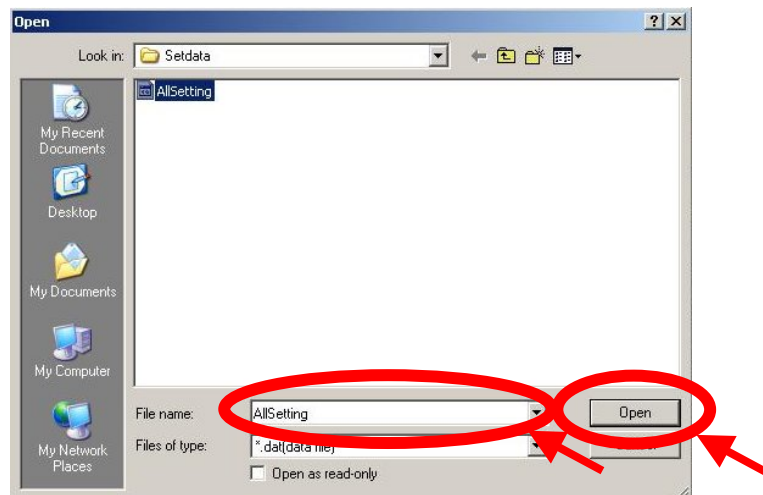
[<--Load] button : If this button is clicked, a dialogue box "Overwrites the data to the designated channel. OK?" appears.



(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].

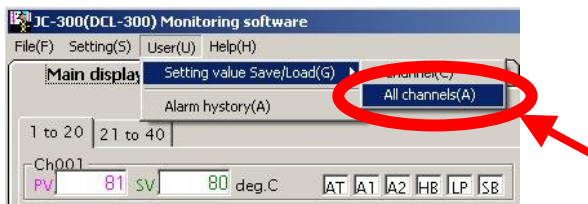
The data is loaded (read) from the file and the setting value of the selected channel is updated.

[Exit] button : Clicking this button (Fig.2.3.2-9) closes the screen of Setting value Save/Load per channel.

(7) Setting value Save/Load for all channels

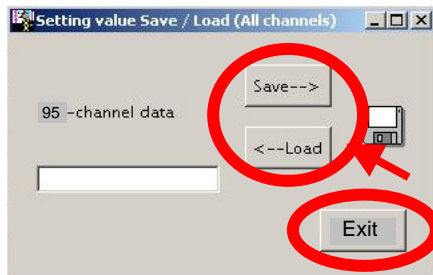
The setting values of all channels can be saved in a file and loaded (read) from a file.

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



(Fig. 2.3.2-16)

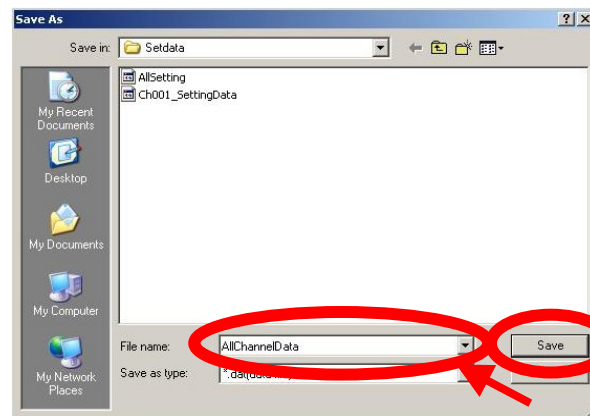
- ② Setting value Save/Load for all channels screen appears.



(Fig. 2.3.2-17)

Operation explanation

[Save-->] button : Clicking this button opens a dialogue box [Save As].

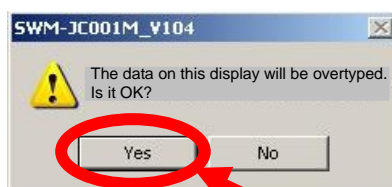


(Fig. 2.3.2-18)

Enter a file name, and click [Save].

The setting values of all channels are saved in the file of "Setdata" folder of installation destination.

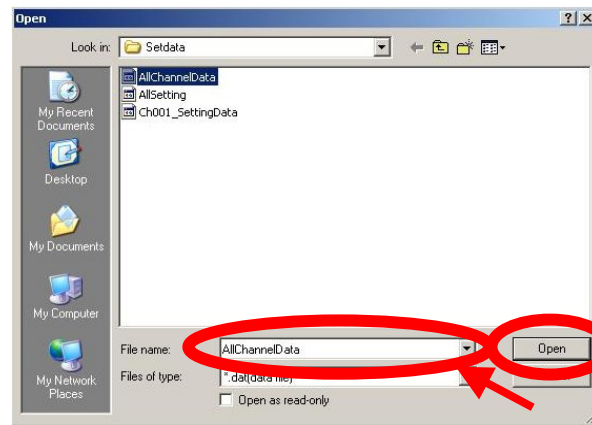
[<--Load] button : If this button is clicked, a dialog box "The data on this display will be overtyped. Is it OK?" appears.



(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 the [Open].

The data is loaded (read) from the file and the setting values of all channels are updated.

[Exit] button : Clicking this button (Fig.2.3.2-14) closes Setting value Save/Load for all channels screen.

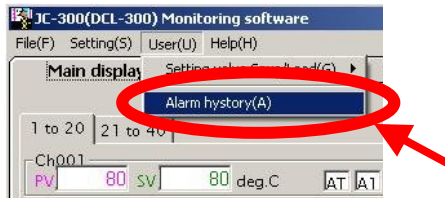
(8) Alarm history display

During monitoring, if Alarm 1 (A1), Alarm 2 (A2), Heater burnout alarm, Overscale, Underscale 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 “hys” extension.

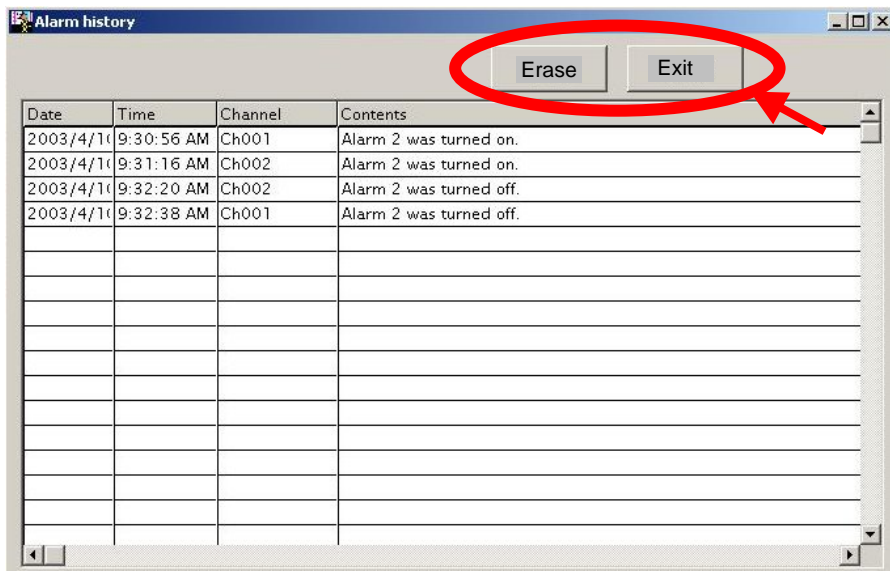
The file is automatically named by date and time when the monitoring software starts.

- 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

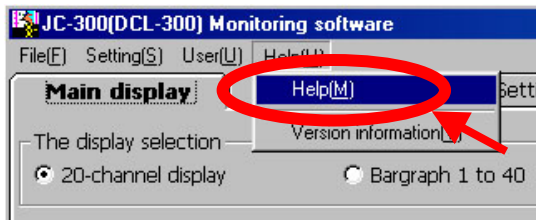
[Erase] button : Clicking this button clears the history data on the screen.

[Exit] button : Clicking this button closes the Alarm history display.

(9) Help display

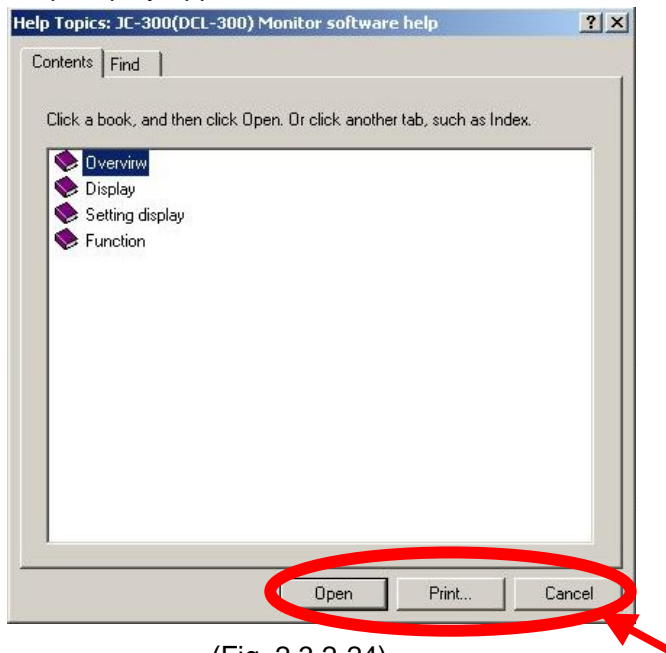
Each screen and operation method are explained.

- 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.

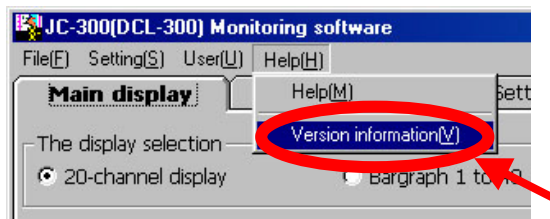
If the book icon is selected, all contents in the book are printed.

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

(10) Version information display

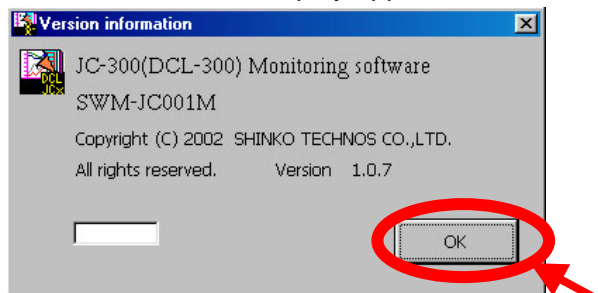
Version information on the monitoring software is described.

- 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.

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