

PCD-33A MONITORING SOFTWARE

SWM-PCD01M

INSTRUCTION MANUAL

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About this manual

This manual explains how to install and operate SWM-PCD01M, PCD-33A monitoring software.

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

Notice when using SWM-PCD01M

You must accept the following License Agreement before you use this product, PCD-33A monitoring software SWM-PCD01M.

1. Shinko Technos Co., Ltd. owns the copyright to this software.
2. It is against the law to copy the software on any medium without agreement.
No part of this manual may be reproduced or transmitted in any form or by any means without the prior written consent of Shinko Technos Co., Ltd.
3. One original copy of the software product is required for each single computer.
4. Shinko Technos Co., Ltd. is not liable for any damages incurred as a result of using this monitoring software and the manual, including any indirect damages.
5. Information in this document is subject to change without notice.

About CD-ROM

- In the CD-ROM, the following files are included.

The information on installation methods for the SWM-PCD01M, PCD-33A monitoring software is contained in the following file.

Install_E.txt/ Install_J.txt

The information on usage license and copyright for the SWM-PCD01M, PCD-33A monitoring software, is contained in the following file.

Readme_E.txt/Readme_J.txt

The following is the file for installing SWM-PCD01M, PCD-33A monitoring software.

SWM-PCD01M_Vxxx.msi [in Win2000 folder]

The following is the file for installing SWM-PCD01M, PCD-33A monitoring software.

If the software cannot be installed using the files mentioned above (SWM-PCD01M_Vxxx.msi), use this file.

setup.exe [in Win98 folder]

If the CD-ROM cannot be read, clean the CD-ROM drive lens with a commercial CD lens cleaner.

If CD itself is dirty, clean the CD with a soft cloth before using it.

If the CD-ROM cannot be read after it has been cleaned, the CD-ROM drive (on the personal computer) may be broken. Consult with the shop where you purchased the computer or its manufacturer.

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

1. Preparation before starting the monitoring software SWM-PCD01M

1.1 Operating environment

PCD-33A monitoring software "SWM-PCD01M" will run under the following system requirements.

- **Personal computer**

Personal computer running Windows

- RS-232C interface equipment
- 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, 1024 x 768 dots or more

Use "Small fonts".

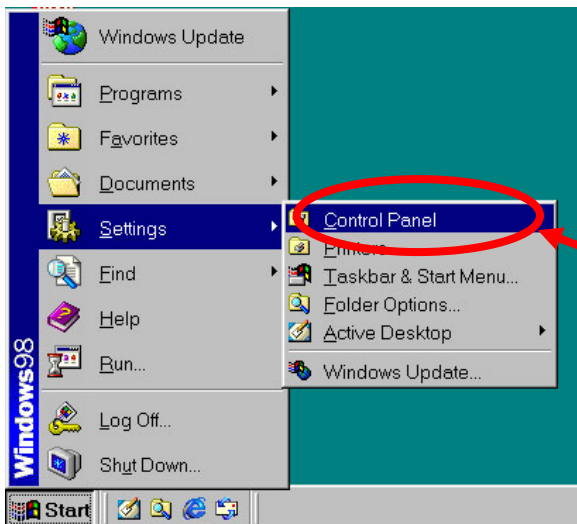
To set up the font, refer to pages 3 to 5.

- **How to set up the font size**

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

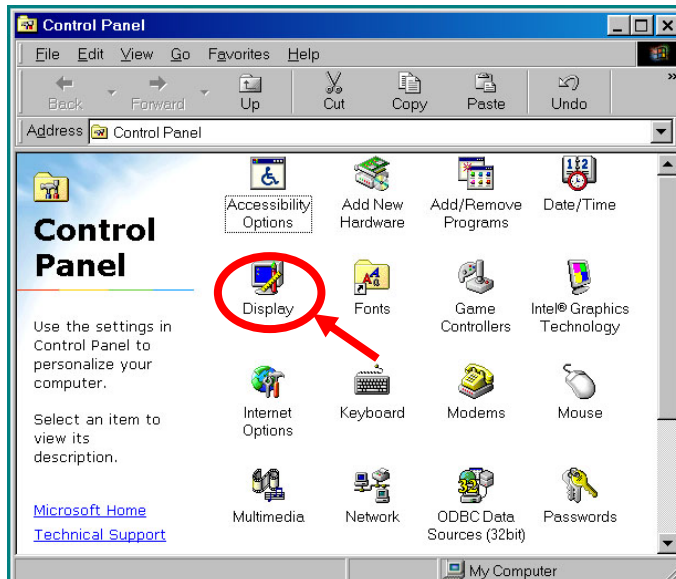
(1) Close all applications which are running.

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



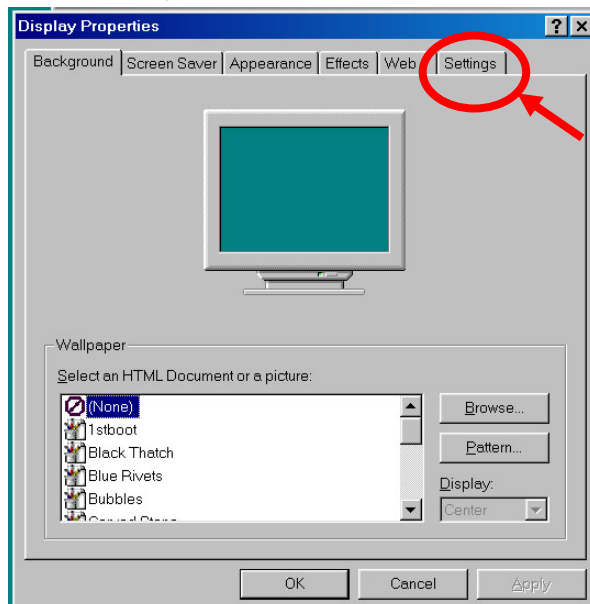
(Fig. 1.1-1)

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



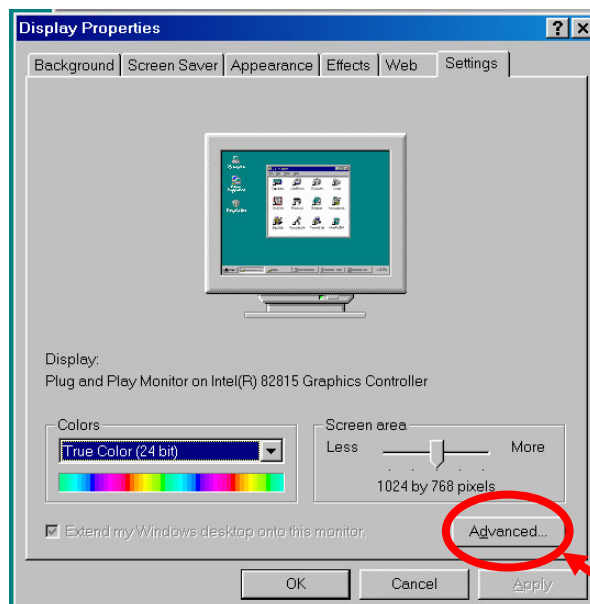
(Fig. 1.1-2)

(3) Click [Settings].



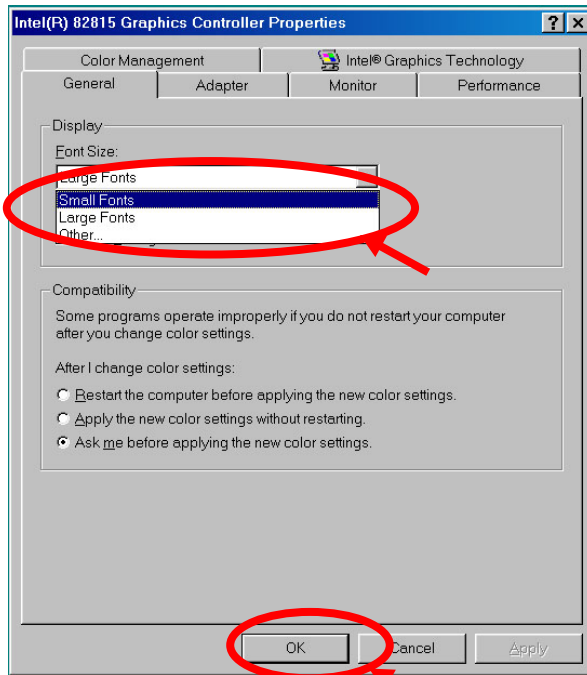
(Fig. 1.1-3)

(4) Click [Advanced].



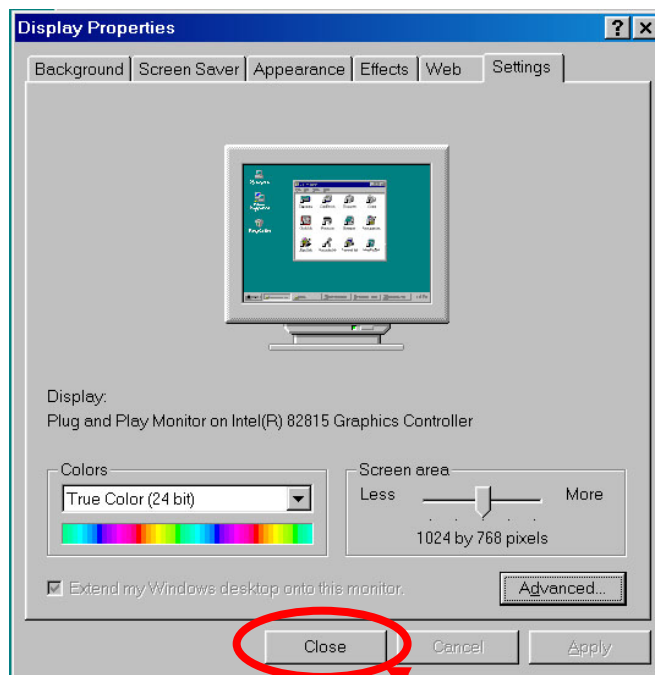
(Fig. 1.1-4)

(5) Select “Small Fonts” and click [OK].



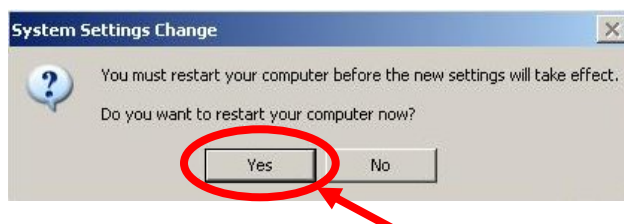
(Fig. 1.1-5)

(6) Click [Close].



(Fig. 1.1-6)

(7) Click [Yes].



(Fig. 1.1-7)

(8) After restarting the system, the font will be set to “Small fonts”.

1.2 Installation

Before installing, close all applications which are running.

Set the font to “Small fonts”. (See pages 3 to 5)

The installation of monitoring software “SWM-PCD01M” is described as follows.

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 : Hard disk

F drive : Hard disk

G drive : CD-ROM

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

The following is the file for installing SWM-PCD01M.

- **SWM-PCD01M_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-PCD01M.

- **setup.exe** [in Win98 folder]

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

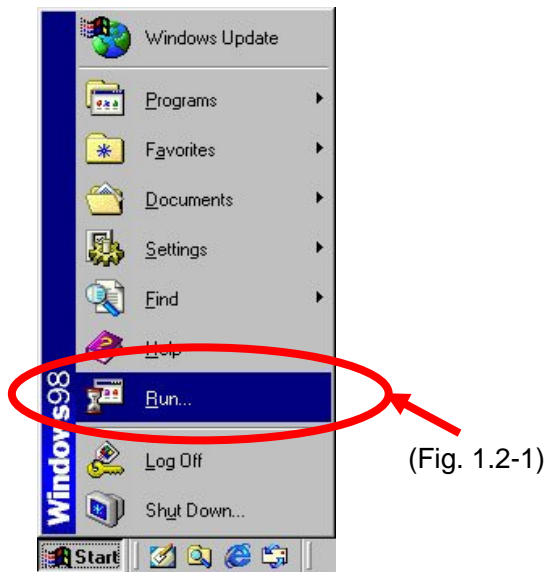
This file is also used when it is impossible to install SWM-PCD01M with the file.

SWM-PCD01M_Vxxx.msi.

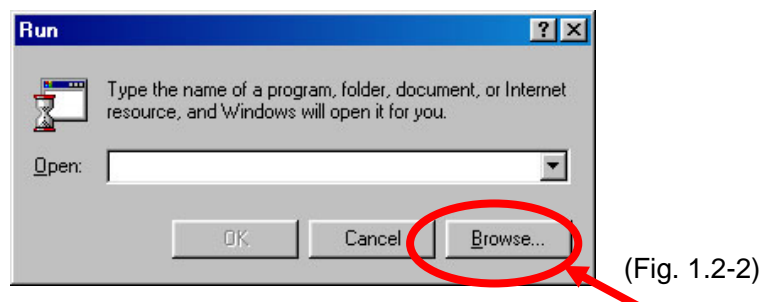
For installation, see pages 11 to 15.

When the computer is running Windows Me/2000/XP

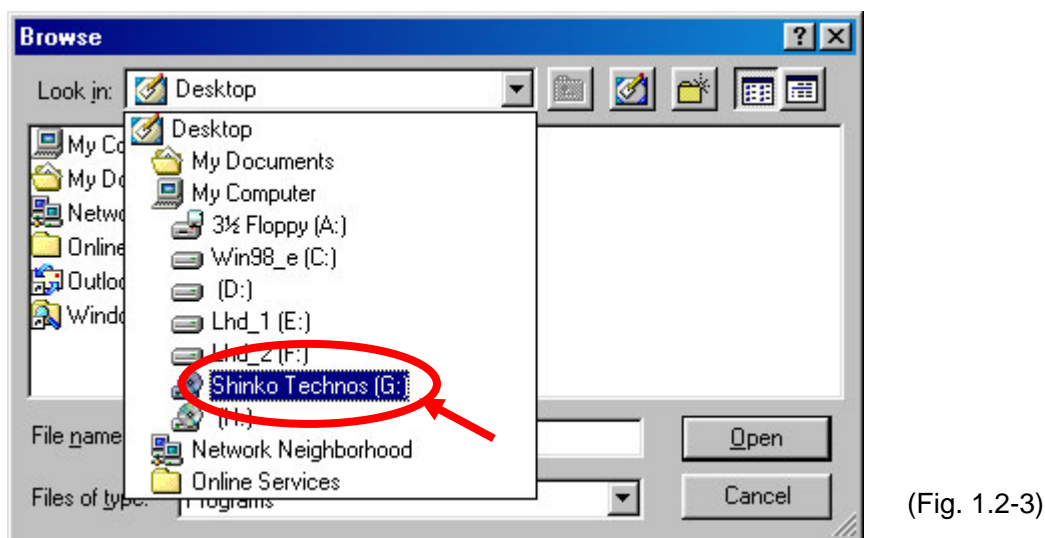
- (1) Put the CD-ROM in the CD-ROM drive.
- (2) Select [RUN...] on the start menu and click it.



- (3) Click [Browse...].



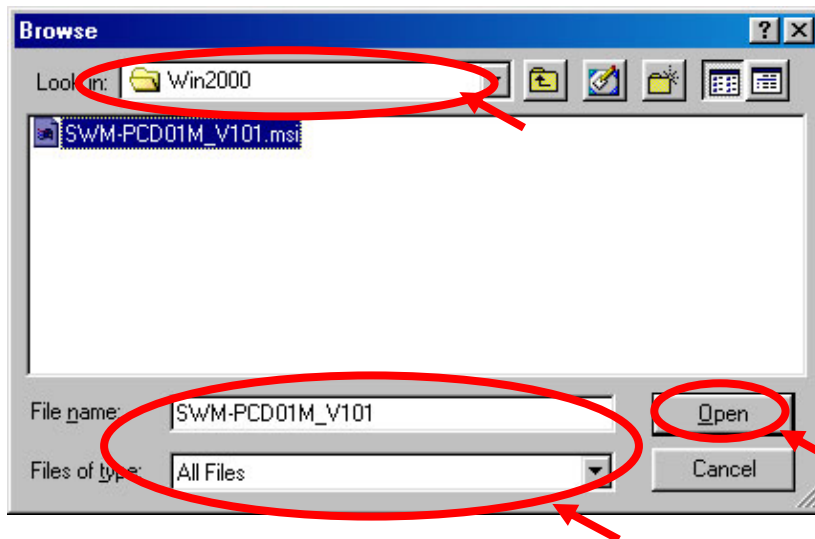
- (4) Select "Shinko Technos (G)" from the dialog box "Look in".



(5) Select "Win2000".

Select "All Files" from "Files of type".

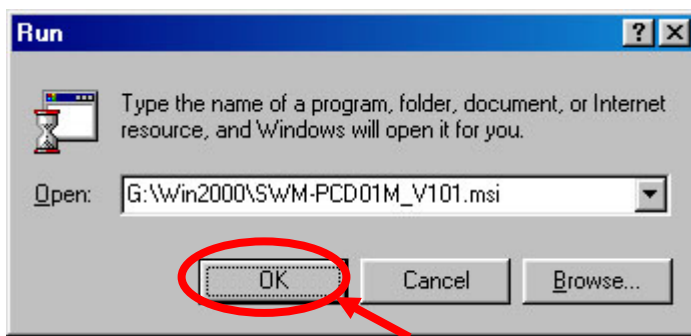
The file SWM-PCD01M_Vxxx.msi will appear, then select this file and click [Open].



(Fig. 1.2-4)

(6) Click [OK].

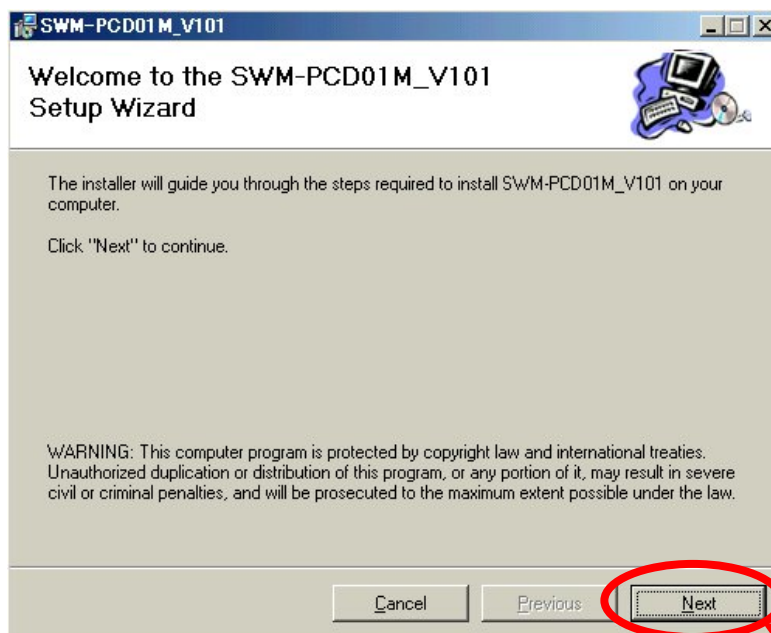
SWM-PCD01M_Vxxx setup wizard appears.



(Fig. 1.2-5)

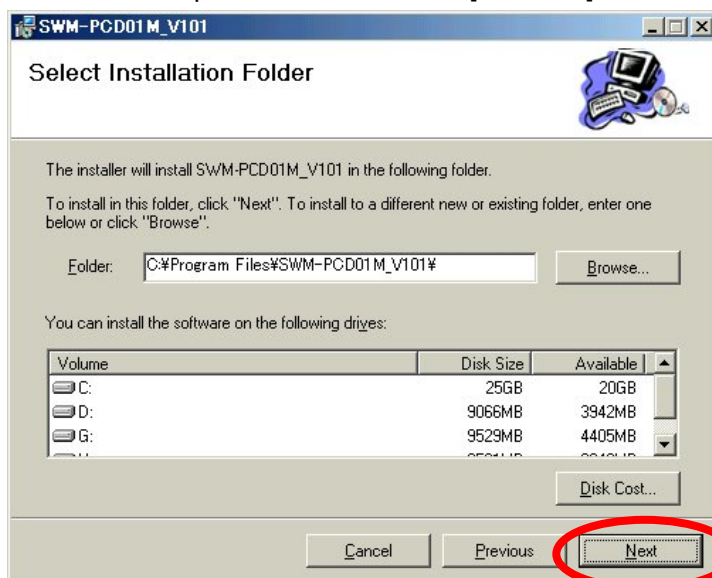
(7) Click [Next].

To cancel installation, click [Cancel].



(Fig. 1.2-6)

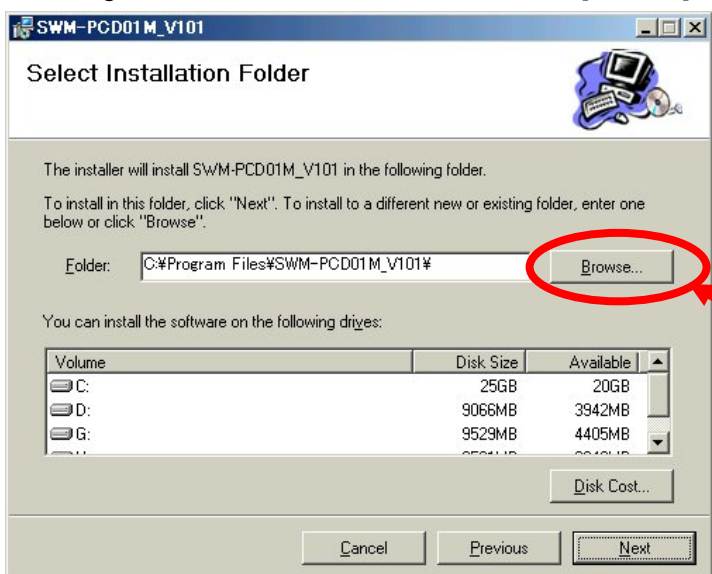
- (8) Confirm the name of the drive and folder (directory) for installation destination.
“C:\Program Files\SWM-PCD01M_Vxxx\” has been already designated for installation as default.
If this designation is OK, click [Next].
To cancel the installation, click [Cancel].
To return to the previous screen, click [Previous].



(Fig. 1.2-7)

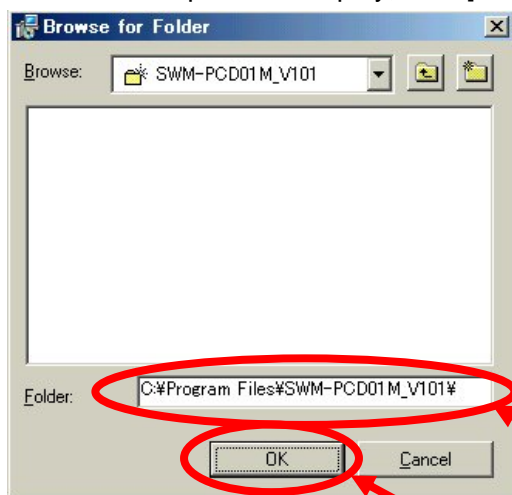
Screen to change the destination for installation

To change the destination for installation, click [Browse].



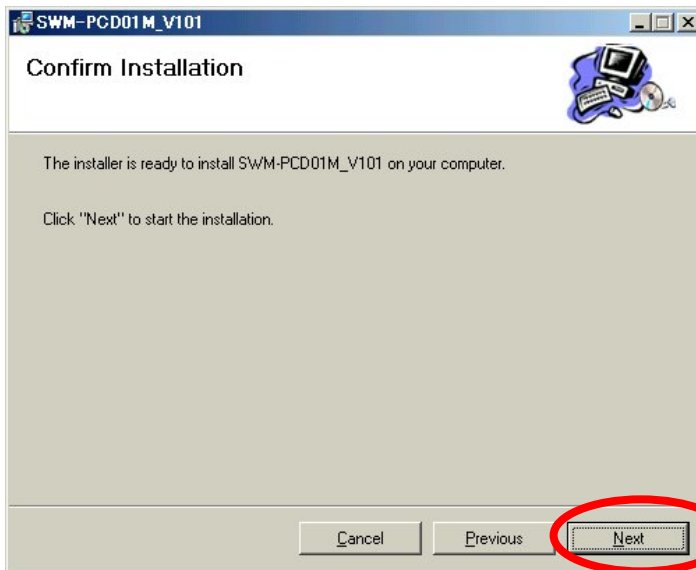
(Fig. 1.2-8)

Designate the name of drive and folder (directory) and click [OK].
To revert to the previous display, click [Cancel].



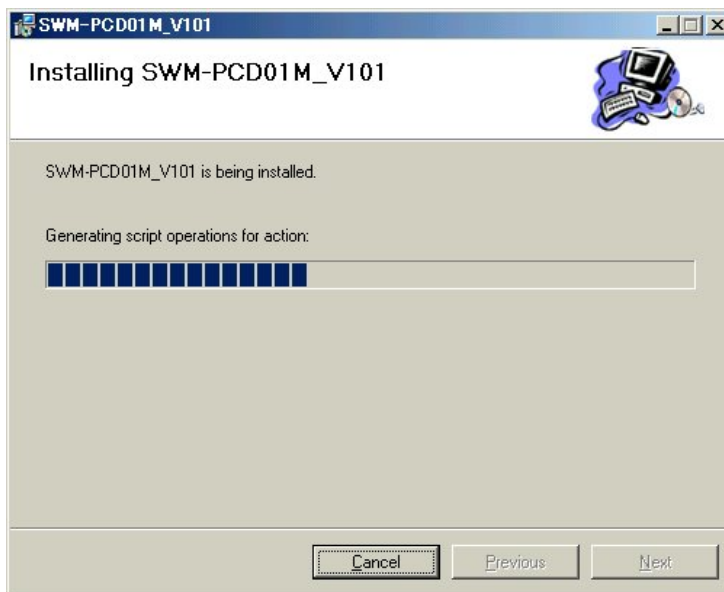
(Fig. 1.2-9)

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



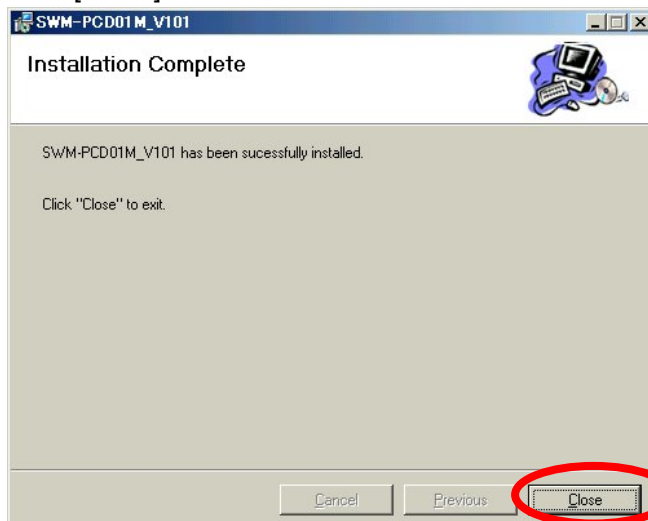
(Fig. 1.2-10)

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



(Fig. 1.2-11)

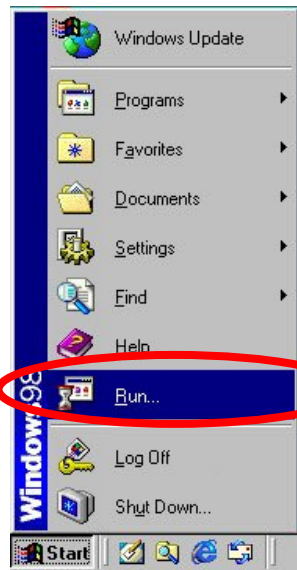
- (11) If the installation is complete, the following display appears.
Click [Close].



(Fig. 1.2-12)

When the computer is running Windows 98/NT4.0

- (1) Put the CD-ROM in the CD-ROM drive.
- (2) Select [Run...] and click it.



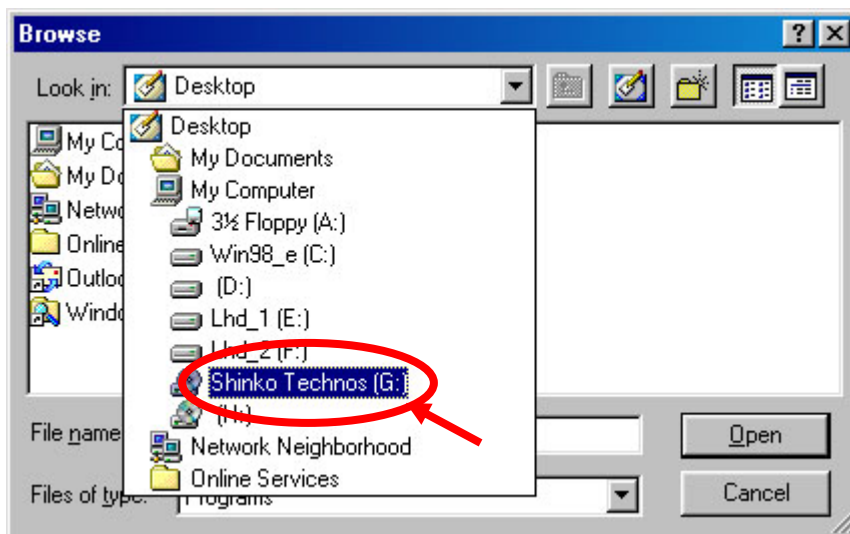
(Fig. 1.2-13)

- (3) Click [Browse...].



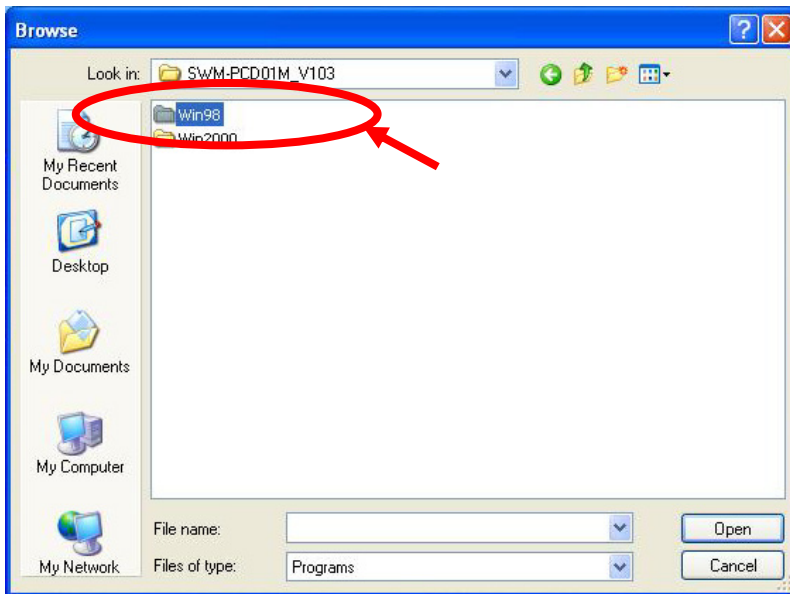
(Fig. 1.2-14)

- (4) Select "Shinko Technos (G:)" from the dialog box "Look in".



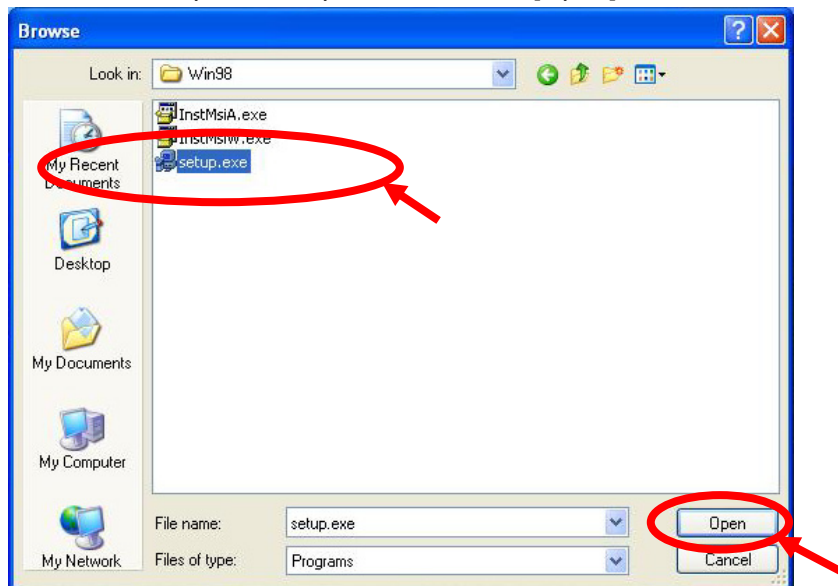
(Fig. 1.2-15)

(5) Select “SWM-PC001_Vxxx” - “Win98” folder.



(Fig. 1.2-16)

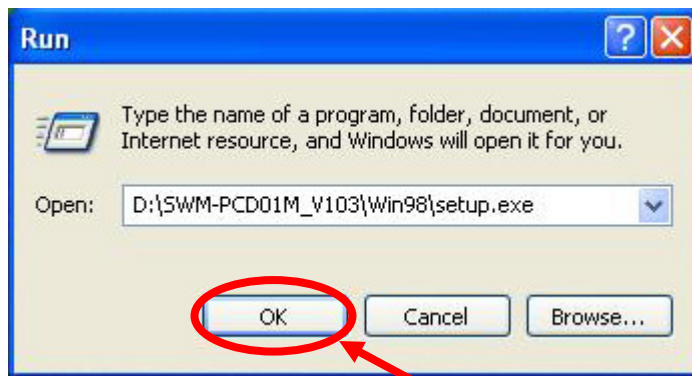
(6) Select the setup file “setup.exe”, and click [Open].



(Fig. 1.2-17)

(7) Click [OK].

SWM-PCD01M_Vxxx setup wizard appears.



(Fig. 1.2-18)

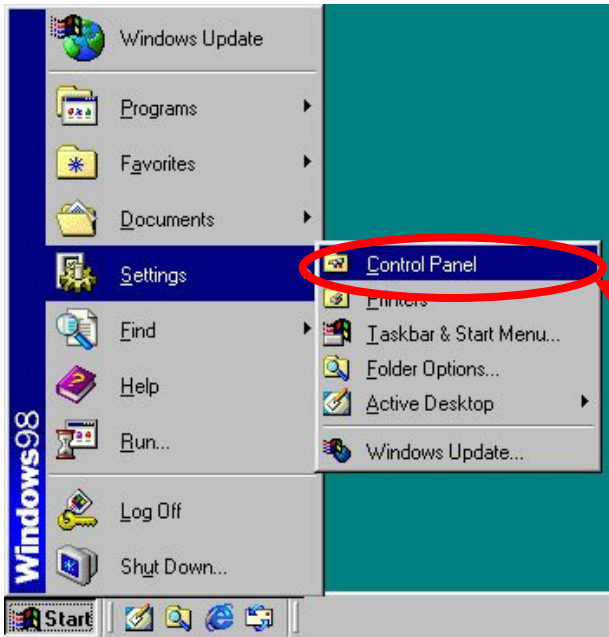
(8) For the installation method after step (7), it is the same as that of Windows Me/2000/XP.

Please refer to step (7) and after for Windows Me/2000/XP (pages 8 to 10).

1.3 Uninstalling the software

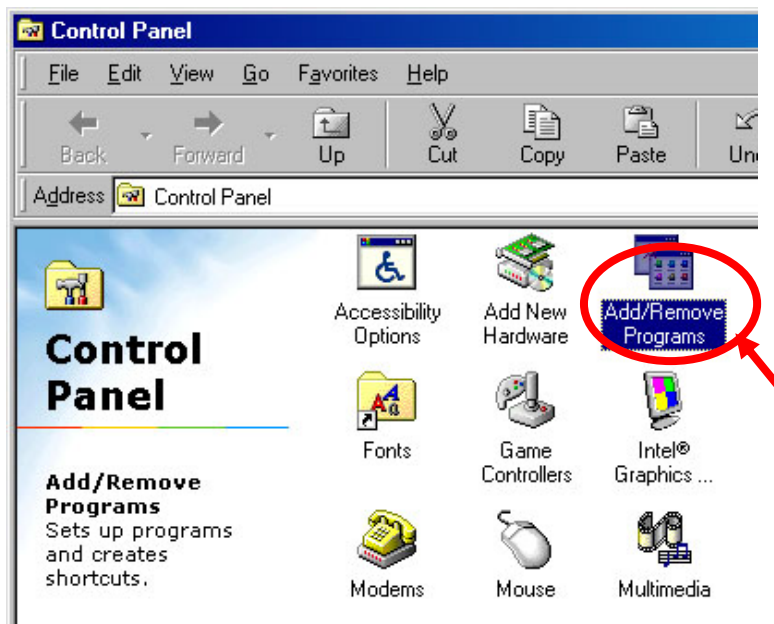
The procedures to uninstall the related files of the monitoring software “SWM-PCD01M” from the hard disk are described as follows.

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



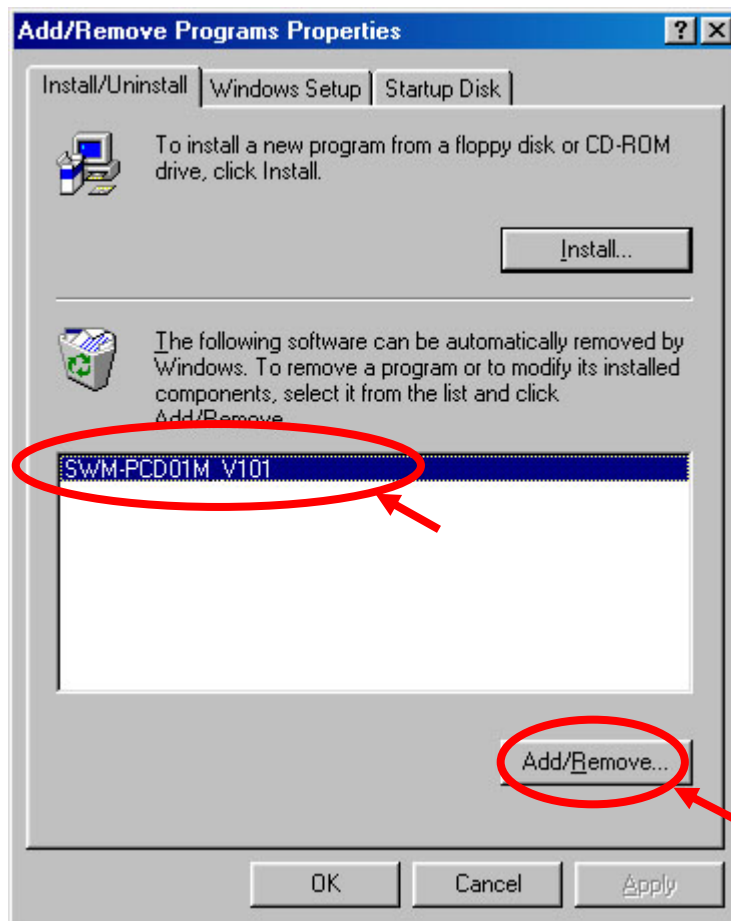
(Fig. 1.3-1)

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



(Fig. 1.3-2)

- (3) Click or select “SWM-PCD01M_Vxxx” in the application list, and click [Add/Remove].



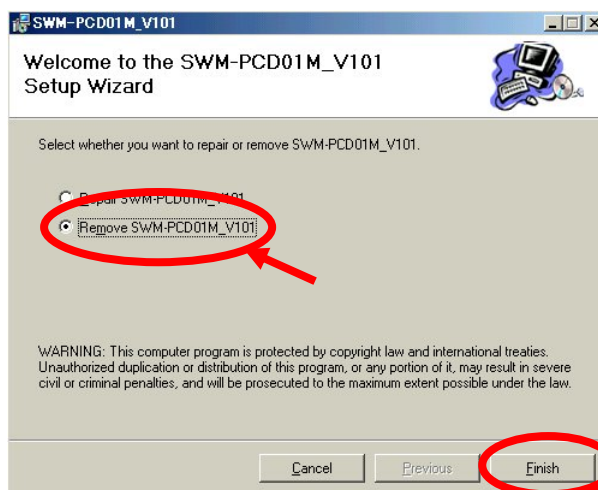
(Fig. 1.3-3)

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

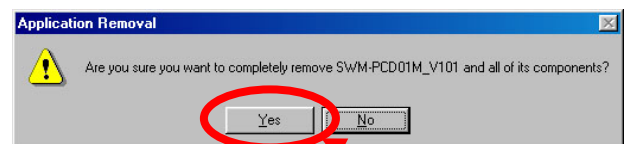
For Windows Me/2000/XP, select [Remove SWM-PCD01M_Vxxx] and click [Finish].

For Windows 98/NT4.0, click [Yes].

For Windows Me/2000/XP

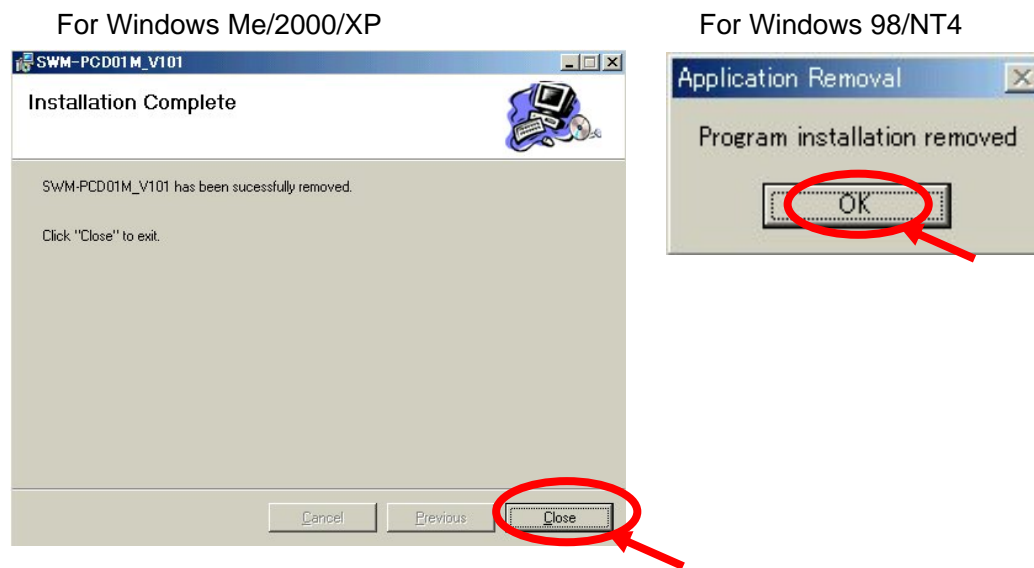


For Windows 98/NT4.0



(Fig. 1.3-4)

- (5) If uninstalling the software is completed normally, the following display will appear.
- For Windows Me/2000/XP, click [Close].
- For Windows 98/NT4.0, click [OK].



(Fig. 1.3-5)

2. Starting and terminating the monitoring software

2.1 Wiring to a personal computer

Notice

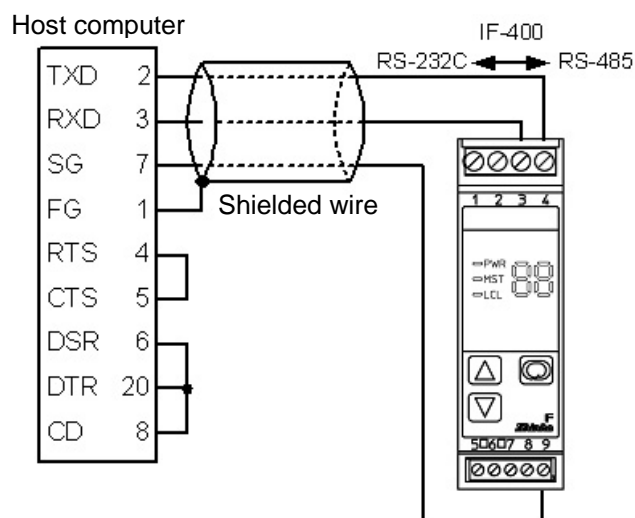
Before starting the Monitoring software, check the following points, referring to “Auxiliary function setting mode 1” in “6.2 Operation” in the Instruction Manual for PCD-33A.

- (1) The instrument numbers must begin from “0” in numerical order. If not, the software cannot start.
(e.g.) When connecting three PCD-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).

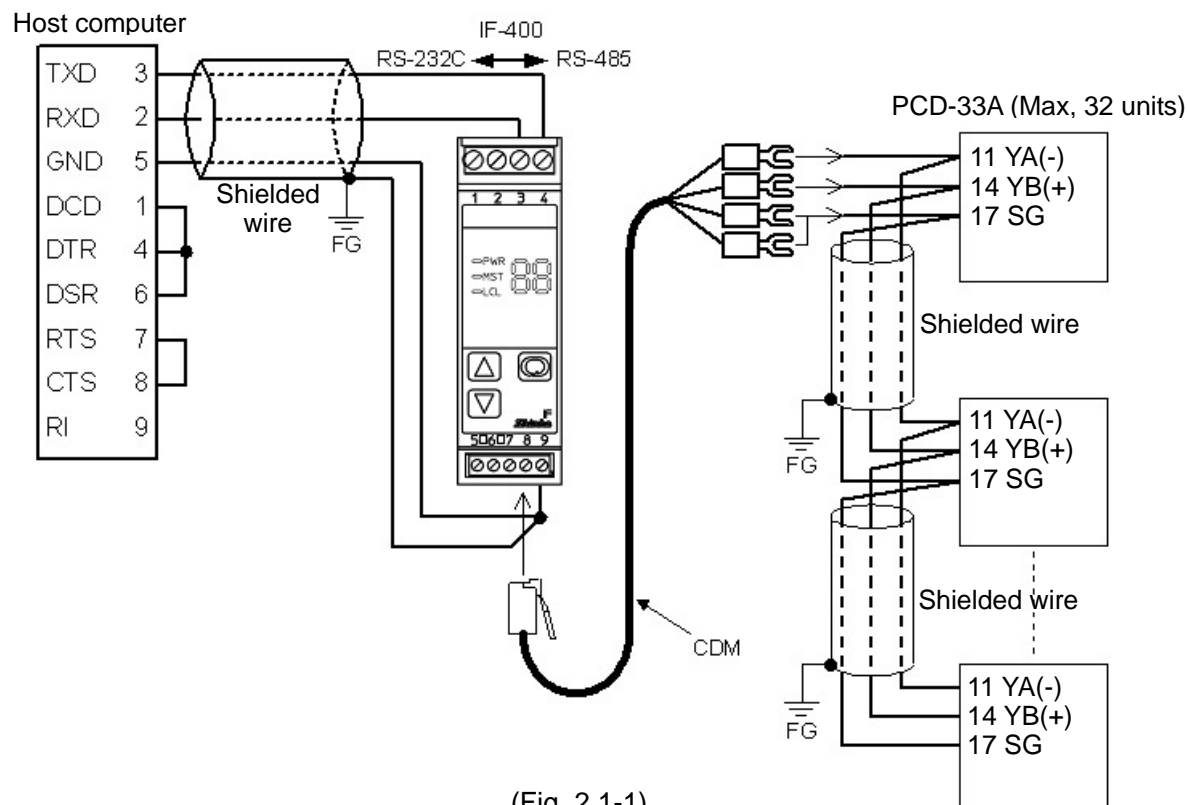
● Wiring example

When the IF-400 is used as a communication converter, a maximum of 32 units of the PCD-33A can be connected.

[When using D-sub 25-pin connector]



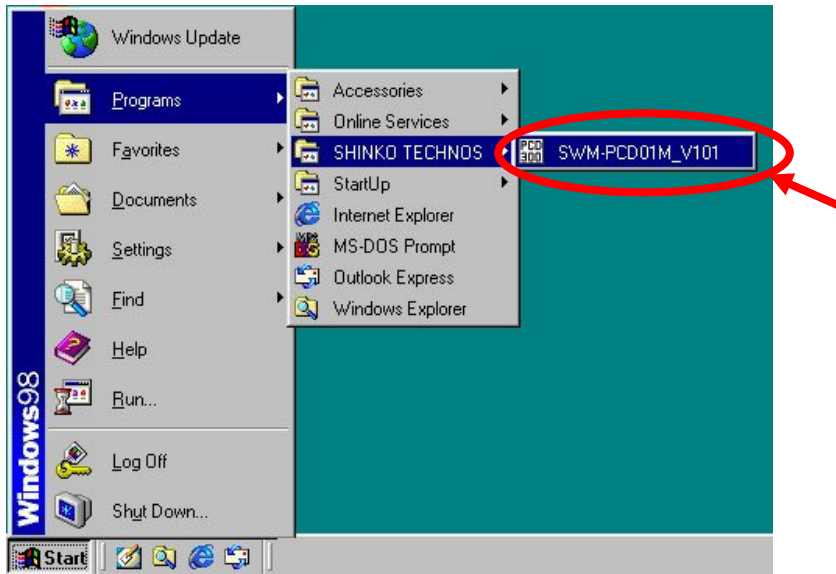
[When using D-sub 9-pin connector]



(Fig. 2.1-1)

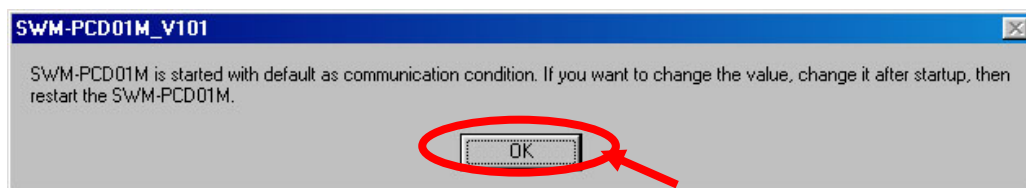
2.2 Starting the monitoring software

- (1) Select [Programs] on the Start menu – [SHINKO TECHNOS]–[SWM-PCD01M_Vxxx], and click.



(Fig. 2.2-1)

- (2) When the monitoring software starts after installation, the following screen will appear.
This screen will not appear next time it starts again or if the communication conditions (p.37) are changed. Go to step (3).
Click [OK].



(Fig. 2.2-2)

(3) The monitoring software will start after reading the PCD-33A data.

When Setting value reading [Yes] is selected, data reading time of one PCD-33A unit with each communication speed is shown below.

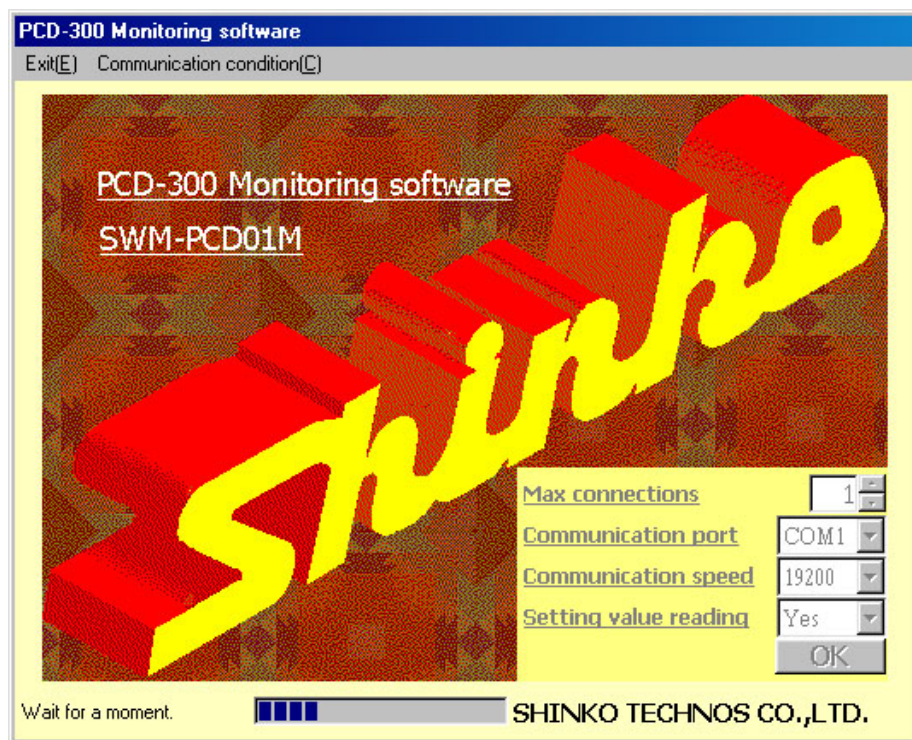
The more PCD-33As that are connected, the longer it takes to start the software.

| | |
|---------------------|------------------------------|
| Communication speed | 19200bps: Approx. 27 seconds |
| | 9600bps: Approx. 32 seconds |
| | 4800bps: Approx. 40 seconds |
| | 2400bps: Approx. 1 minute |

If Setting value reading [No] is selected, the monitoring software will start within several seconds regardless of the communication speed.

After the monitoring software starts, minimum requisite items (pattern number, step number, PV, SV, MV, unit status) have been read. This data can be used for monitoring.

For setting items other than the above, default values have been set.



(Fig. 2.2-3)

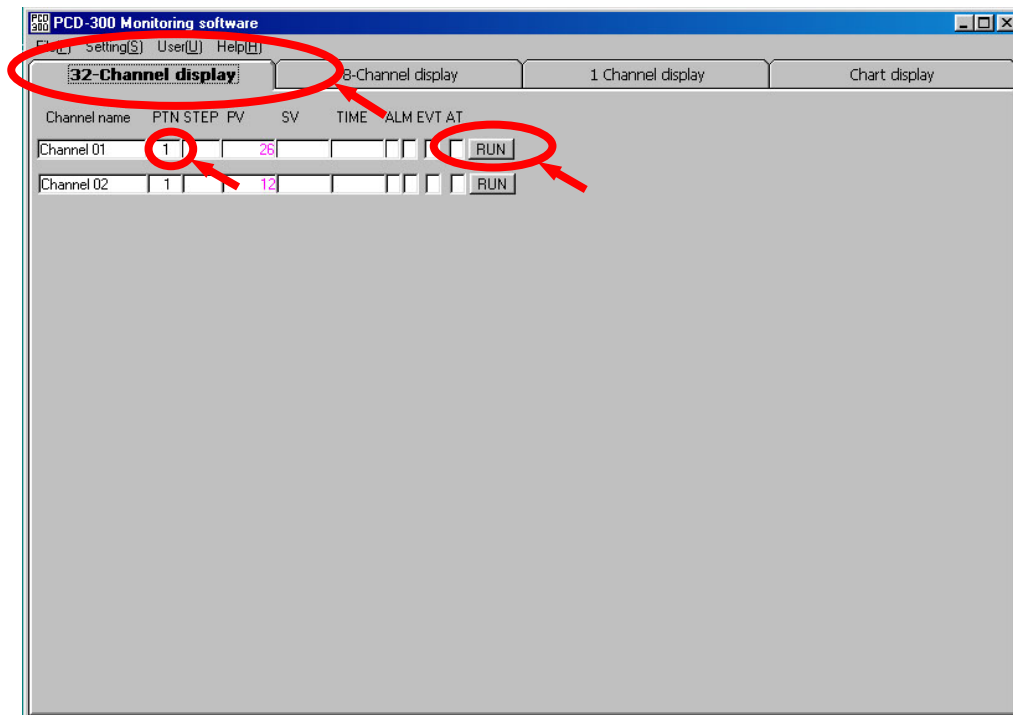
2.3 Screens and operation of the monitoring software

2.3.1 Screen switching

The screen can be changed by clicking the tab.

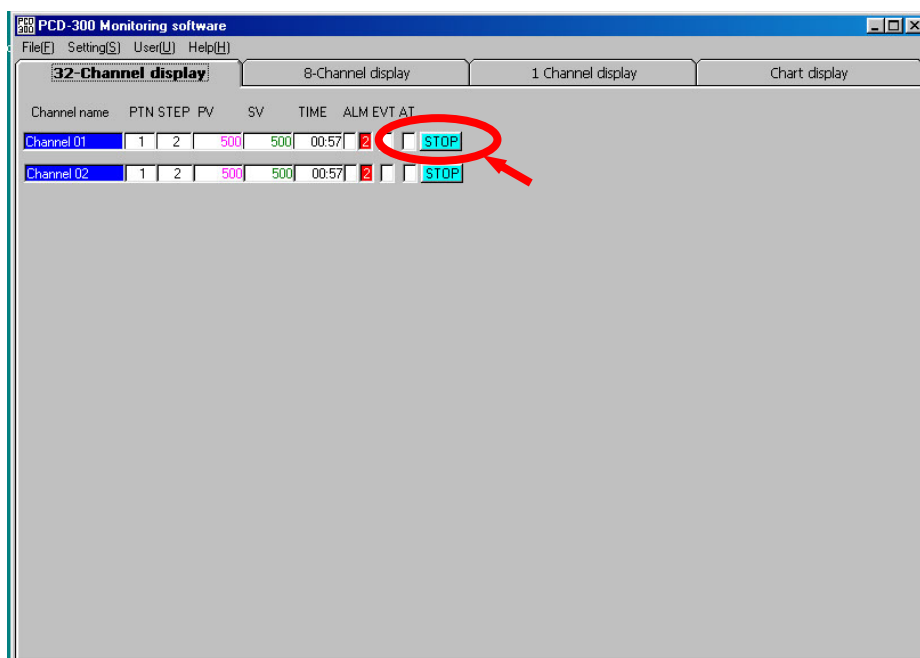
(1) Multi-channel screen (32-channel screen)

A maximum of 32 units can be monitored. Only the connected units are indicated.



(Fig. 2.3-1)

Screen during control run



(Fig. 2.3-2)

Operation explanation

[PTN] box : By double-clicking this box in the Standby mode, ten-key board is indicated.

Input a program pattern number to be run and click [OK].

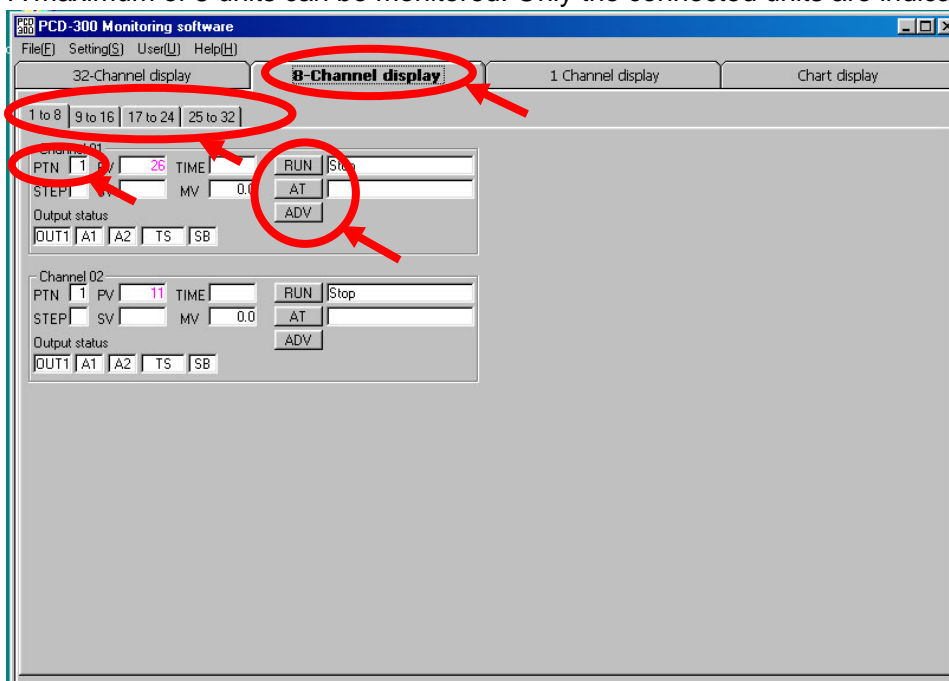
Program pattern number cannot be changed whilst program is operational.

[RUN/STOP] button: By clicking this button in the Standby mode, Program control run mode can be selected.

By clicking this button in the Program control run mode, the mode reverts to the Standby mode.

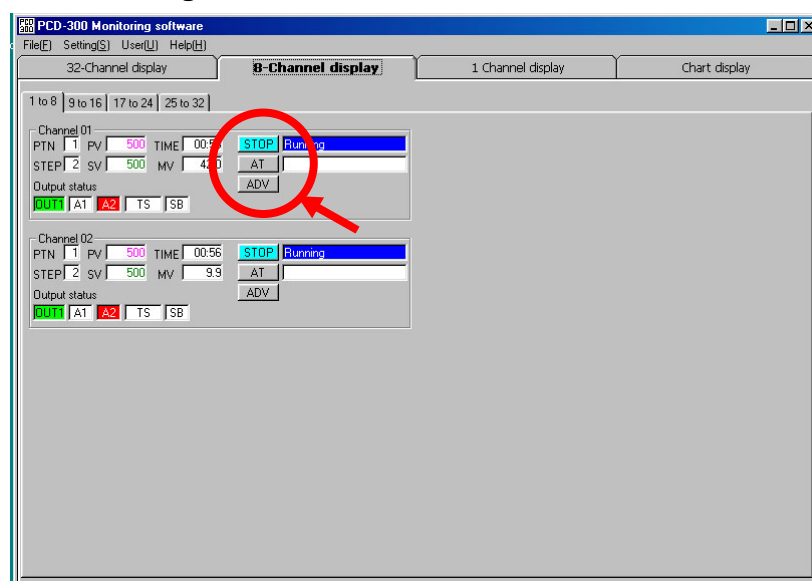
(2) Multi-channel screen (8-channel screen)

A maximum of 8 units can be monitored. Only the connected units are indicated.



(Fig. 2.3-3)

Screen during control run



(Fig. 2.3-4)

Operation explanation

[1 to 8], [9 to 16], [17 to 24], [25 to 32] tab: By clicking these tabs, the screen changes in blocks of 8 units.

[PTN] box : By double-clicking this box in the Standby mode, 10-key board is indicated.
Input a program pattern number to be run and click [OK].
Program pattern number cannot be changed whilst program is operational.

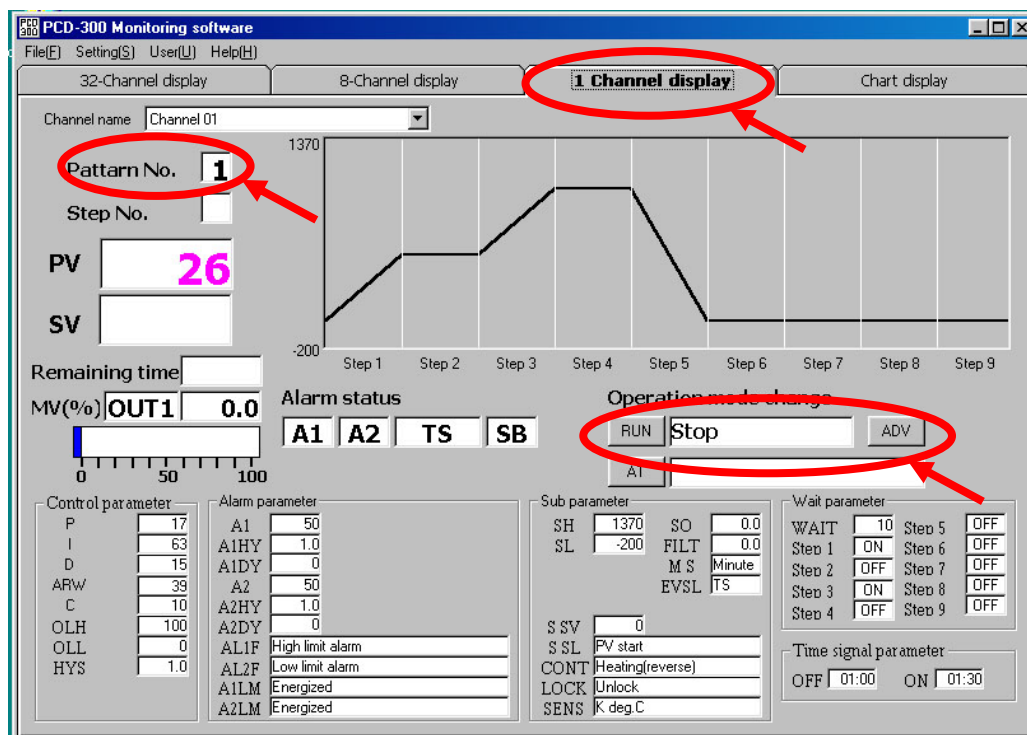
[RUN/STOP] button: By clicking this button in the Standby mode, Program control run mode is selected.
By clicking this button in the Program control run mode, the mode reverts to the Standby mode.

[AT] button : By clicking this button in the Program control run mode or Fixed value control run mode, AT (auto-tuning) Perform/Cancel can be switched.

[ADV] button : By clicking this button in the Program control run mode, the running step stops and proceeds to the next step.

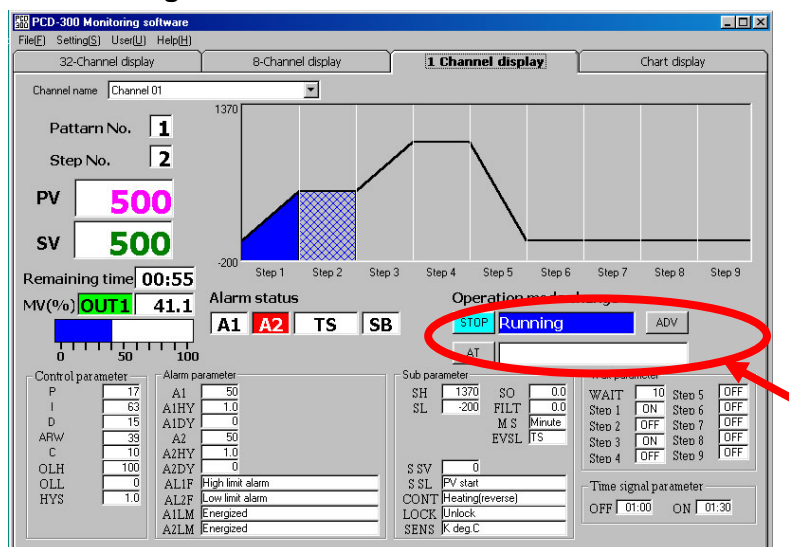
(3) 1 channel screen

One unit selected during the channel name selection can be monitored.



(Fig. 2.3-5)

Screen during control run



(Fig. 2.3-6)

Operation explanation

[Pattern No.] box : By double-clicking this box in the Standby mode, 10-key board is indicated.

Input a program pattern number to be run and click [OK].
Program pattern number cannot be changed whilst program is operational.

[RUN/STOP] button: By clicking this button in the Standby mode, Program control run mode is selected.

The step that the program control is performing is indicated with blue cross-hatching.

The step that program control has completed is indicated by solid blue.

By clicking this button in the Program control run mode, the mode reverts to the Standby mode.

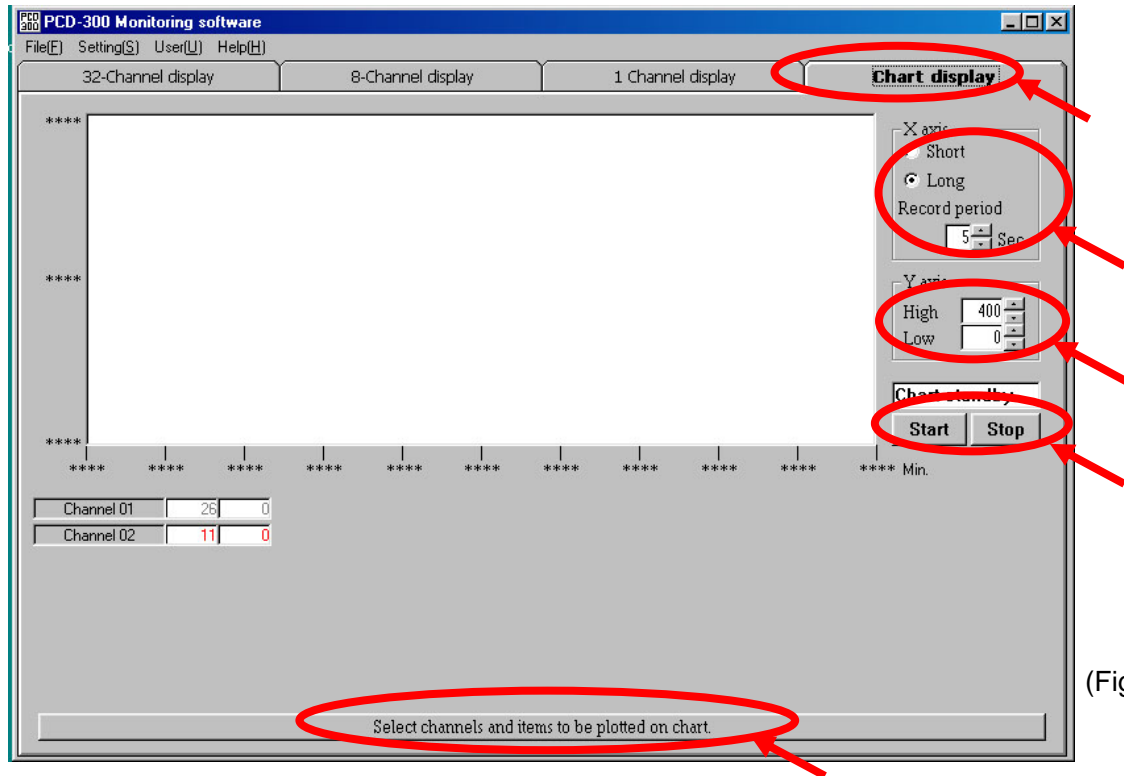
[AT] button : By clicking this button in the Program control run mode or Fixed value control run mode, AT (auto-tuning) Perform/Cancel can be switched.

[ADV] button : By clicking this button in the Program control run mode, the running step stops and proceeds to the next step.

(4) Chart screen

The charts of the connected units are indicated.

If the monitoring software is closed during chart indication, the chart indication automatically starts from the beginning next time the monitoring software starts.



(Fig. 2.3-7)

Operation explanation

[X axis] setting item : Set the number of samples and record cycle (1 to 60 seconds).
(e.g.) If record cycle is 5 seconds and the number of samples is 600,
X axis maximum scale becomes 3000 seconds (5 x 600).
Therefore, X axis indication shows 0 to 50 minutes.

[Y axis]] setting item : Input chart indication high and low limit values.

[Start] button : Clicking this button initiates chart indication.

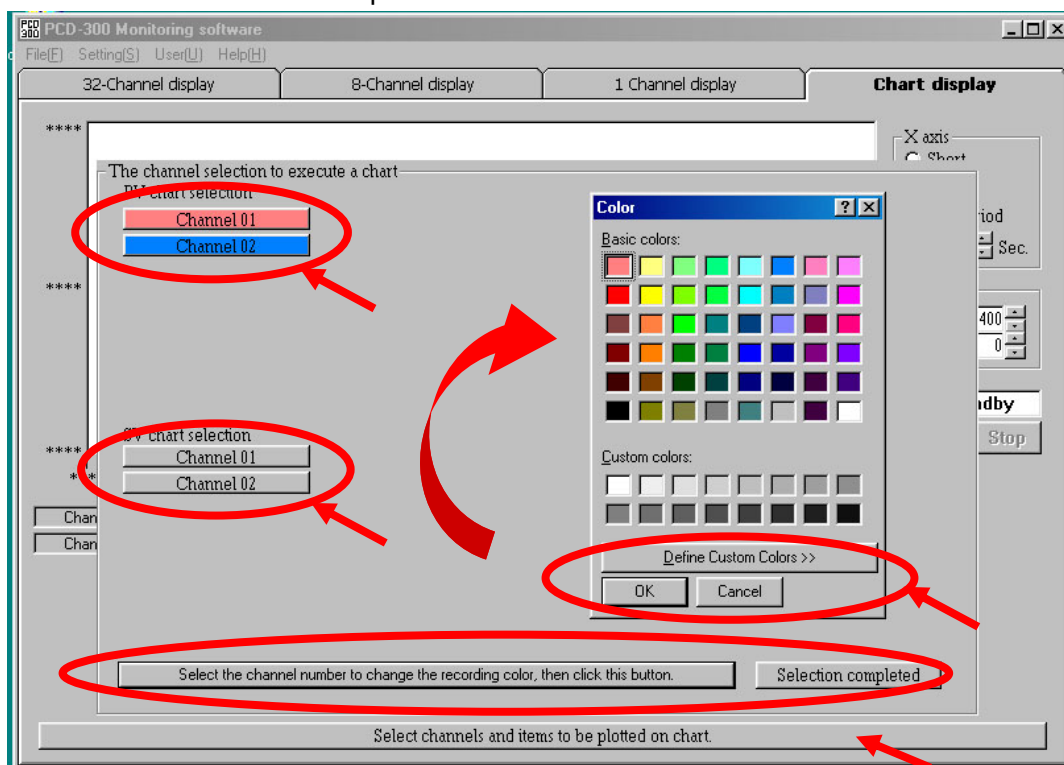
[Stop] button : Clicking this button stops chart indication.

[Select channels and items to be plotted on chart] button:

By clicking this button, the screen switches to the chart plot condition setting screen.

(5) Chart plot condition setting screen

Select a channel and item to plot a chart.



(Fig.2.3-8)

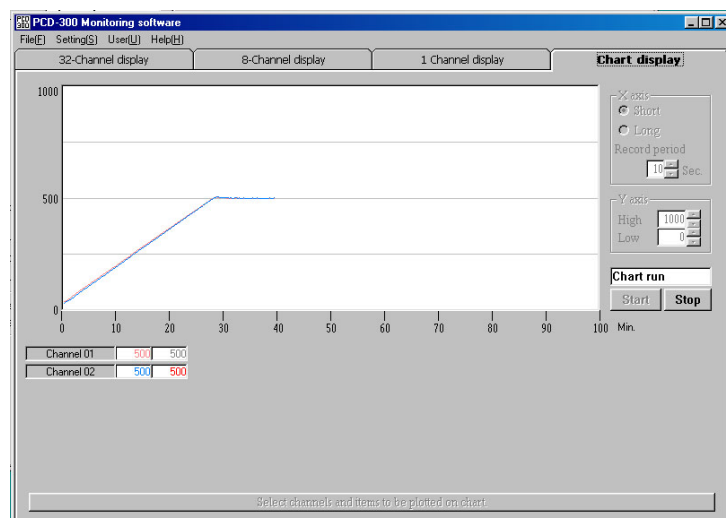
Operation explanation

- [Channel number] button : Select an channel (unit) number to indicate PV or SV with the chart.
- [Select the channel number to change the recording color, then click this button] button : Clicking this button indicates the color setting screen.
- [Selection completed] button : By clicking this button, chart plot condition setting ends and reverts to the Chart screen.

Color setting screen

- [Define Custom Colors] button: By clicking this button, users' own color can be set and added.
- [OK] button : Clicking this button sets the color, then closes the screen.
- [Cancel] button : Clicking this button closes the screen without setting the color.

Screen during chart indication



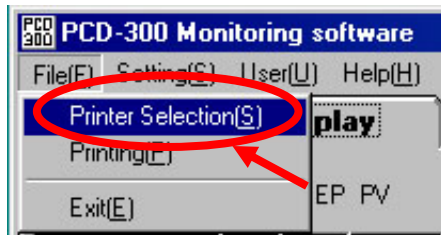
(Fig. 2.3-9)

2.3.2 Menu bar operation

(1) Printer selection

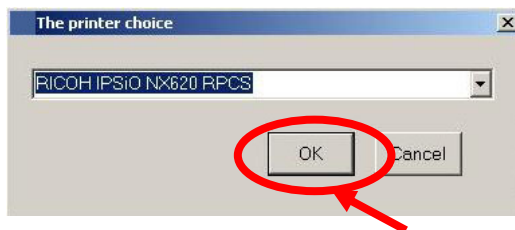
Select a printer for printing as shown below.

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



(Fig. 2.3-10)

- ② The Printer choice screen appears. Select a printer and click [OK].

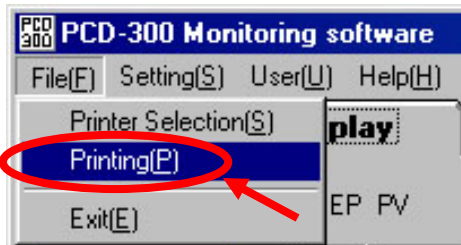


(Fig. 2.3-11)

(2) Printing

Print screens of the Monitoring software as shown below.

- ① Select [File (F)] on the menu bar – [Printing (P)], and click.
The Monitoring software screen will be printed.

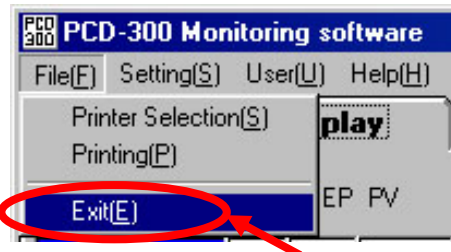


(Fig. 2.3-12)

(3) Terminating the Monitoring software

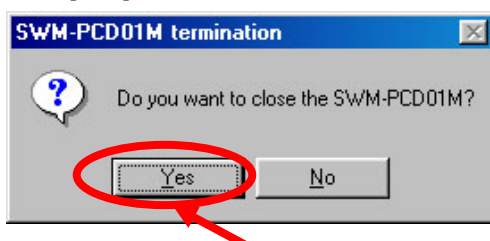
Terminate the Monitoring software as follows.

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



(Fig. 2.3-13)

- ② SWM-PCD01M termination screen appears. Click [Yes].

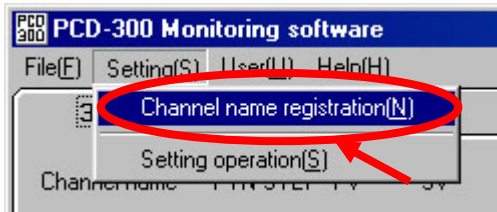


(Fig. 2.3-14)

(4) Channel (unit) name registration

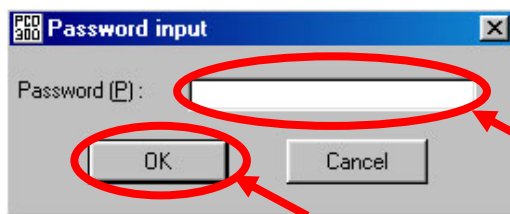
Register a channel (unit) name to be indicated on the screen as follows.
The registered channel (unit) name is indicated on the screen and selection list.

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



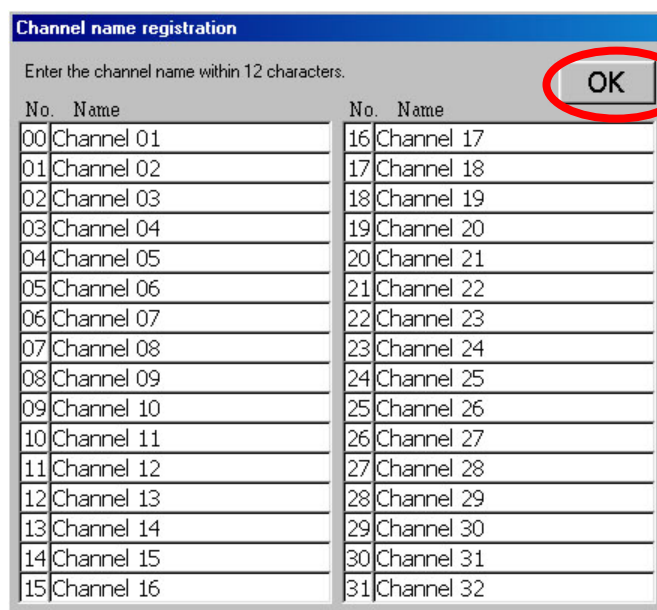
(Fig. 2.3-15)

- ② The password input screen appears.
Enter the password registered at the Password registration and click [OK]. (See p.36)



(Fig. 2.3-16)

- ③ The channel name registration screen appears.
Enter a channel name and click [OK].

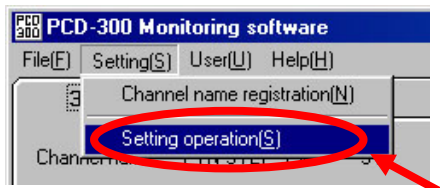


(Fig. 2.3-17)

(5) Setting operation

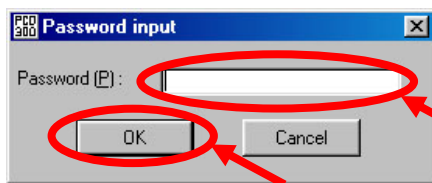
Conduct various settings as shown below.

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



(Fig. 2.3-18)

- ② The password input screen appears.
Input the password registered at the Password registration and click [OK]. (See p.36)



(Fig. 2.3-19)

- ③ A separate setting screen appears.
If Setting value reading [Yes] is selected when the Monitoring software is started, the read values are indicated, and if setting value reading [No] is selected, the default values are indicated.

Screen switching

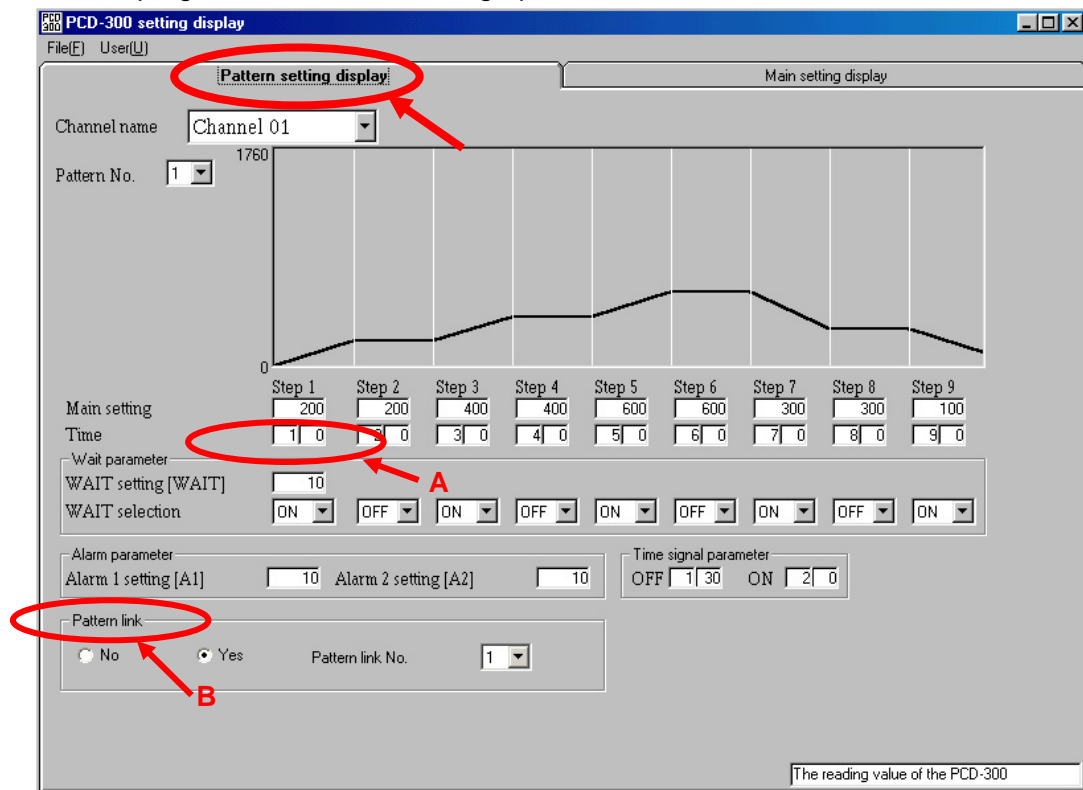
Click the tab to switch screens.

● Pattern setting screen

Sets all setting values for 1 pattern such as step data, wait parameters, alarm parameters and time signal parameters, Pattern link Yes/No, Pattern link number.

Pattern link function cannot be set from the PCD-33A (This function can be set only via the Monitoring software.).

The set program is indicated with a graph.




(Fig. 2.3-20)

Operation explanation

Select a channel (unit) name, pattern number from the list respectively.

To set values, double-click on the items to be set, then ten-key board appears.

If the right side of the Time setting is set to “-1” (the Minute side when “Hour:Minute” is selected, and the Second side when “Minute:Second” is selected during step time unit selection), the control turns to the Fixed value control, and [- - -] will be indicated (A in Fig. 2.3-20).

Input the setting values and click [OK].
To select an item, click the  button.

Select Pattern link Yes/No (B in Fig. 2.3-20).

If Pattern link “No” is selected: It is impossible to link patterns (Pattern link No. cannot be selected).

If Pattern link “Yes” is selected: Select Pattern link number.

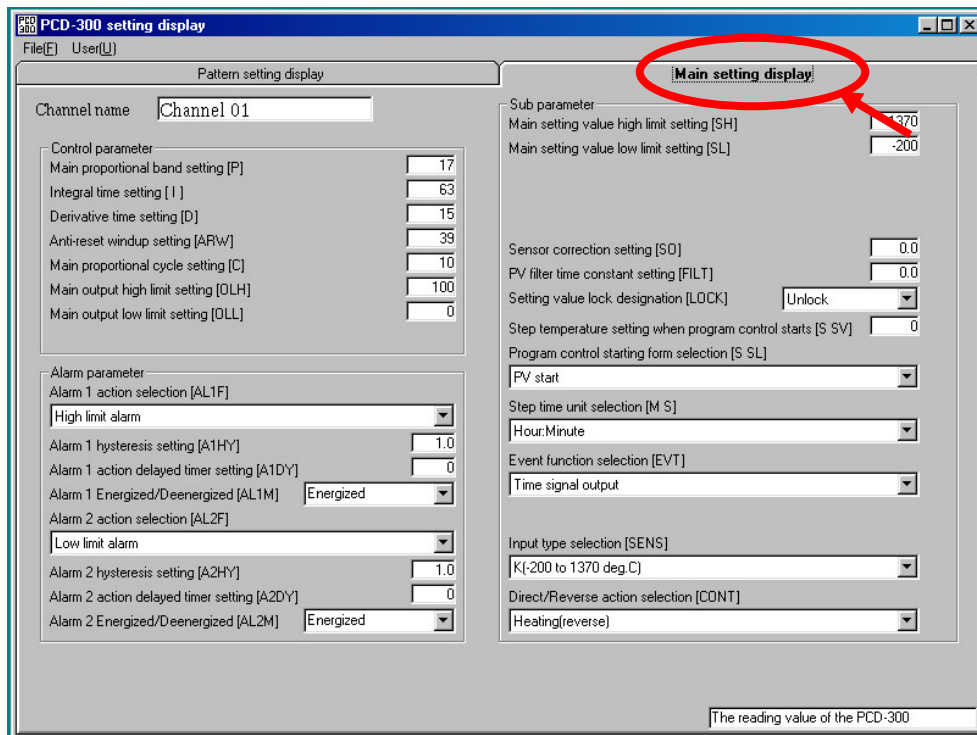
After the pattern on the display is complete,
the next selected pattern number will be executed.

In (Fig. 2.3-20), if Pattern 1 is complete, Pattern 2 will be performed.

The setting values will be transmitted to the PCD-33A.

● Main setting screen

Set values for control parameter, Alarm parameter, Sub parameter on the screen below.




(Fig. 2.3-21)

Operation explanation

To set values, double-click on the items to be set, then ten-key board appears.

Input the setting values and click [OK].

To select the items, click the  button.

The setting values will be transmitted to the PCD-33A.

Setting screen menu bar operation

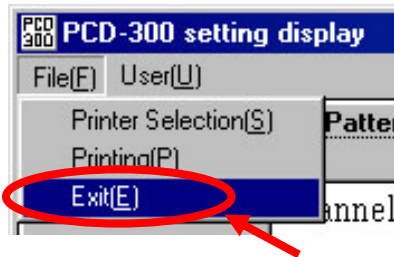
(a) **Printer selection:** The same as the monitoring display (See p.24)

(b) **Printing:** The same as the monitoring display (See p.24)

(c) Terminating the setting screen

Terminate the setting display as follows.

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



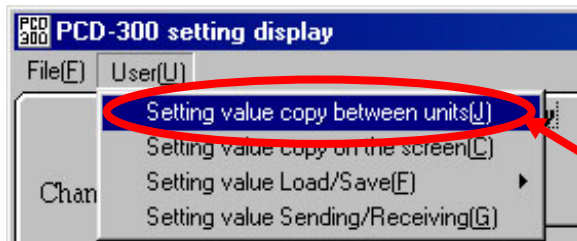
(Fig. 2.3-22)

- ② The setting display will be closed.

(d) Setting value copy between PCD-33A units

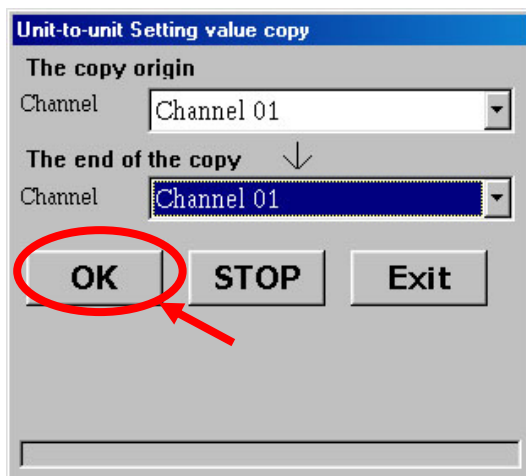
The setting value copy between PCD-33A units is performed as follows.

- ① Select [User (U)] on the menu bar – [Setting value copy between units (J)], and click.



(Fig. 2.3-23)

- ② The Unit to unit setting value copy screen appears.
Select the copy origin and the copy destination, then click [OK].
Copy between units starts.
As all setting values are copied, this takes approx. 1 minute 30 seconds.



(Fig. 2.3-24)

Operation explanation

[OK] button : Copying between units starts by clicking this button.

[STOP] button : Copying between units stops by clicking this button.

[Exit] button : Copying between units is cancelled by clicking this button.

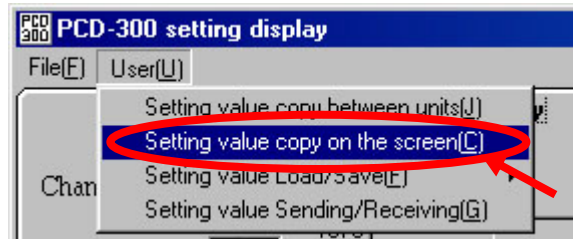
(e) Setting value copy on the screen

Setting values can be copied only on the screen.

To transmit setting values to the PCD-33A, execute **Setting value Sending/Receiving**.

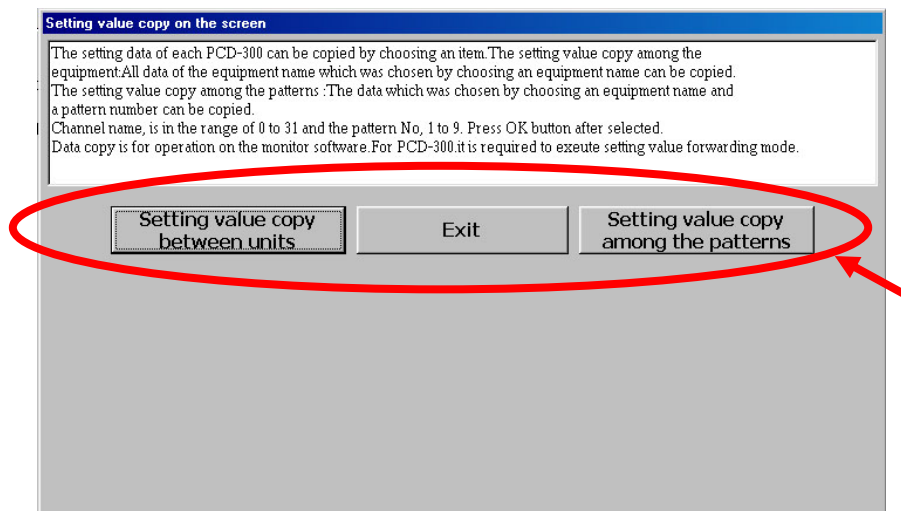
(See p.32)

- ① Select [User (U)] on the menu bar – [Setting value copy on the screen (C)], and click.



(Fig. 2.3-25)

- ② A screen titled [Setting value copy on the screen] appears. Copying between channels (units) and between patterns can be carried out.

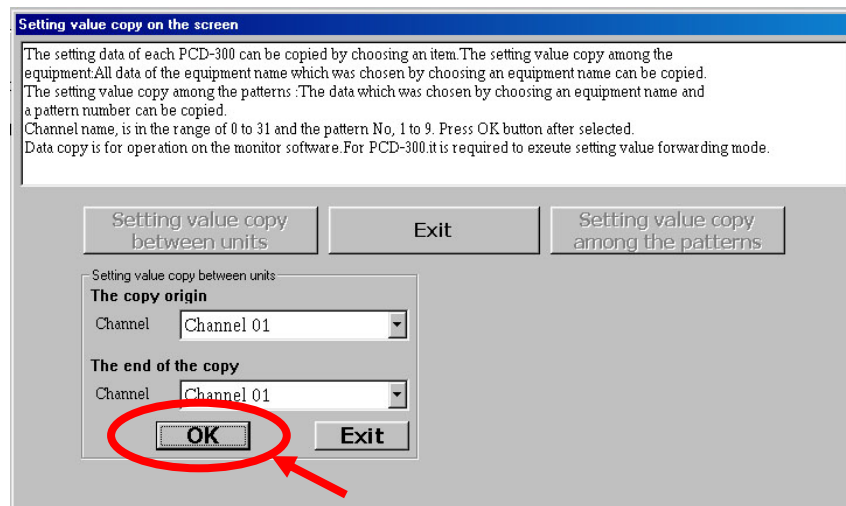


(Fig. 2.3-26)

Operation explanation

[Exit] button: Clicking this button cancels setting value copy on the screen.

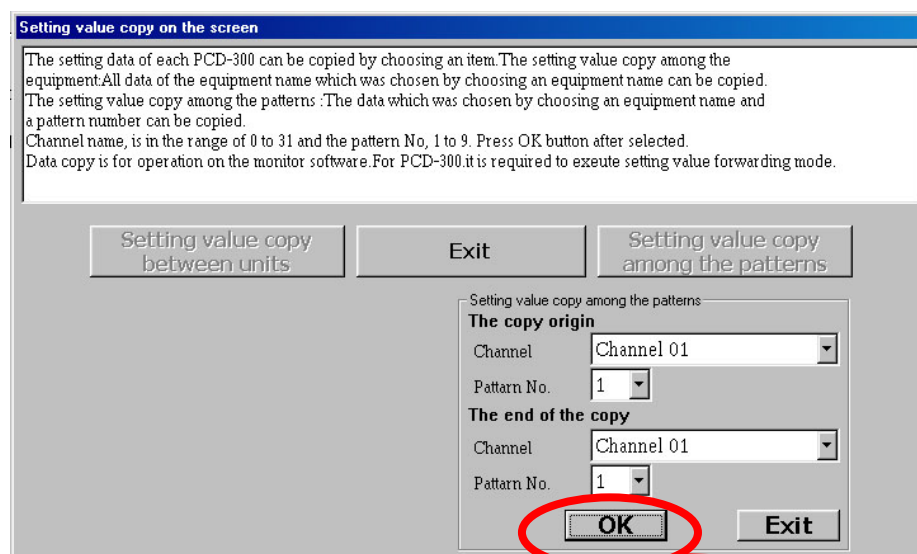
[Setting value copy between units] button: Clicking this button opens Setting value copy between units screen. Select the copy origin and copy destination, then click [OK]. Copying starts only on the screen.



(Fig. 2.3-27)

[Setting value copy among the patterns] button:

Clicking this button opens Setting value copy between patterns screen. Select the copy origin and copy destination, then click [OK]. Copying starts only on the screen.



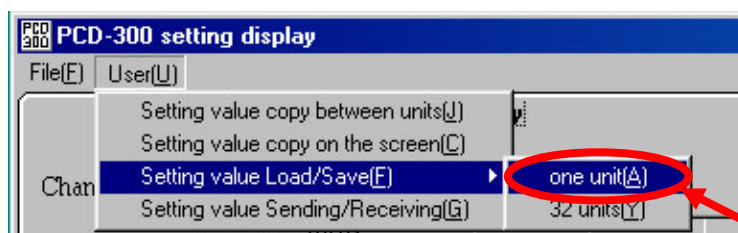
(Fig. 2.3-28)

(f) Setting value Load/Save (per unit)

The setting values on the screen can be saved in a file or loaded (read) from files per unit.

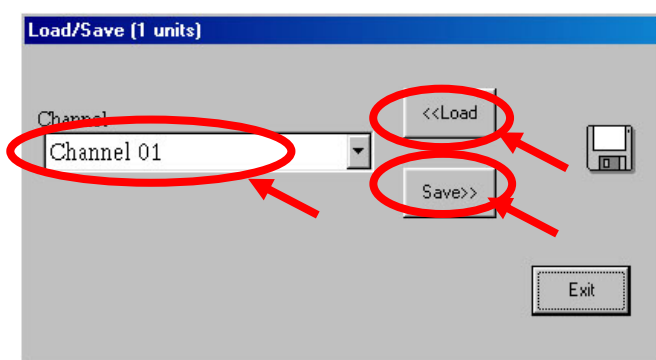
To transmit the setting values to the PCD-33A, execute Setting value Sending/Receiving. (See p.32)

- ① Select [User(U)] on the menu bar – [Setting value Load/Save(F)] – [One unit (A)] and click.



(Fig. 2.3-29)

- ② Load/Save (1 unit) screen appears.



(Fig. 2.3-30)

Operation explanation

Channel box : Select a channel name to save or load the data.

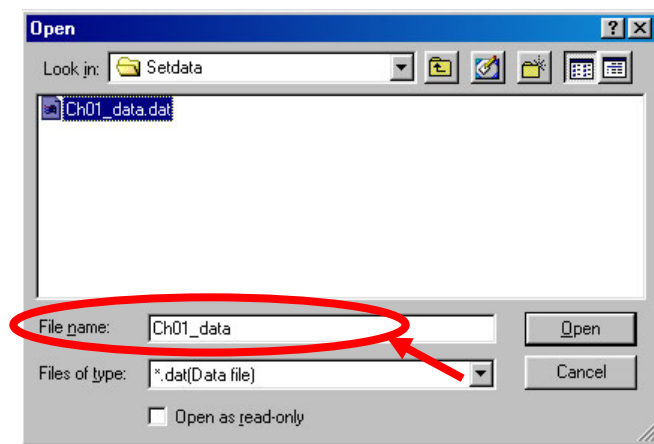
[<<Load] button : Clicking this button opens File name selection screen.
Select a file name and click [Open].

The data saved in the selected file is loaded to the selected channel Data on the screen.

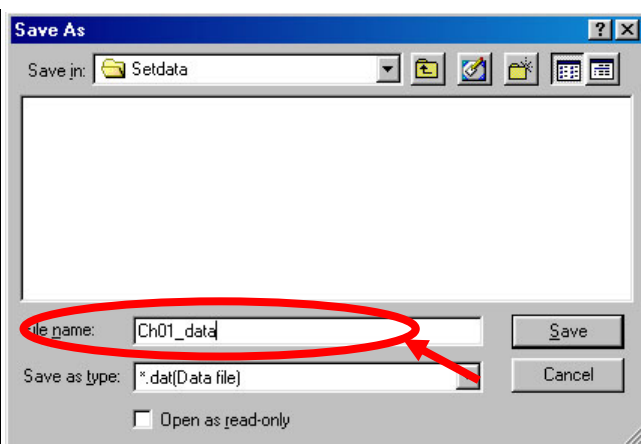
[Save>>] button : Clicking this button opens File name selection screen.
Select or input a file name and click [Open].

The selected channel data is saved in the selected file on the screen.

[Exit] button : Clicking this button terminates Setting value Load/Save.



(Fig. 2.3-31-1)



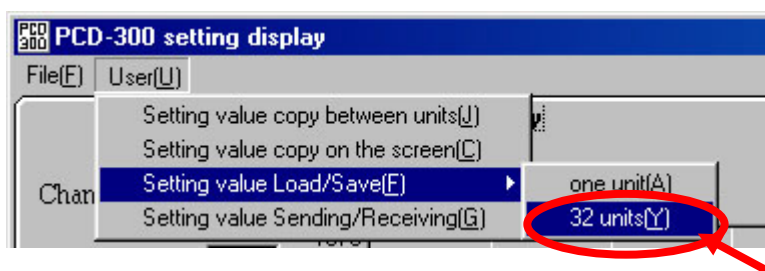
(Fig. 2.3-31-2)

(g) Setting value Load/Save (every 32 units)

The setting values can be saved in a file or loaded from files on the screen in the block of 32 units.

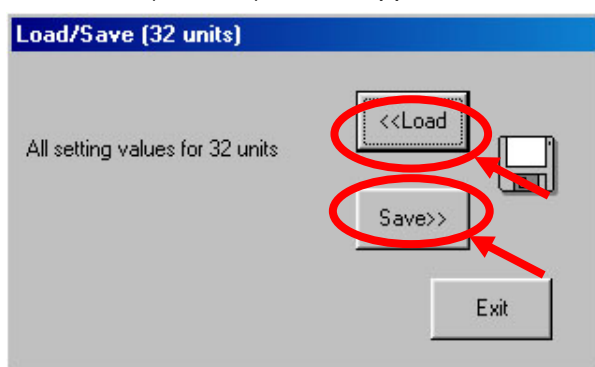
To transmit the setting values to the PCD-33A, execute Setting value Sending/Receiving. (See p.32)

- ① Select [User(U)] on the menu bar – [Setting value Load/Save(F)] – [32 units (Y)], and click.



(Fig. 2.3-32)

- ② Load/Save (32 units) screen appears.



(Fig. 2.3-33)

Operation explanation

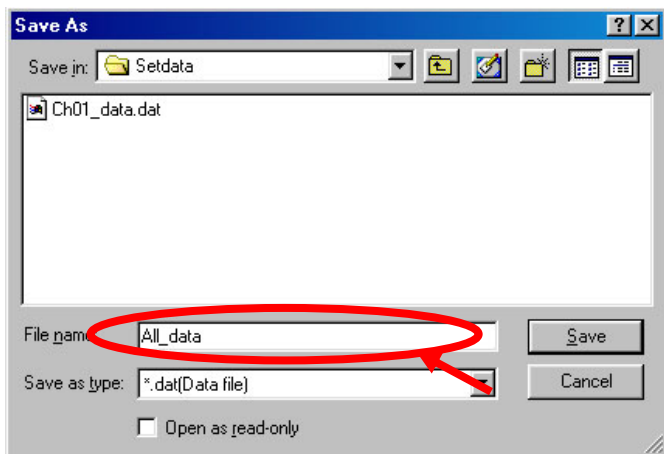
[<<Load] button : Clicking this button opens File name selection screen.
Select a file name and click [Open].

The data for 32 units saved in the selected file is loaded to the data on the screen.

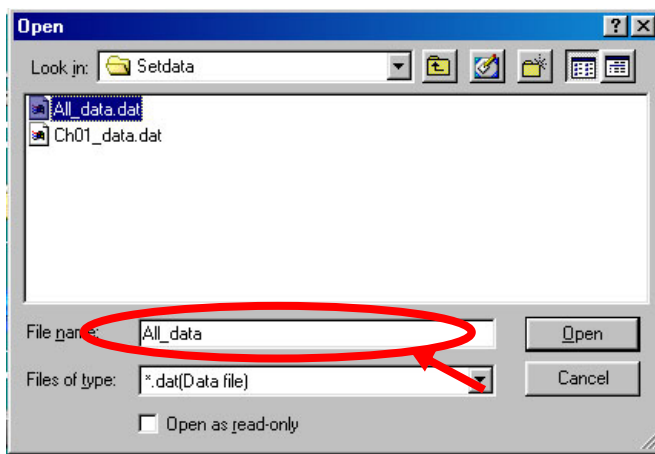
[Save>>] button : Clicking this button opens File name selection screen.
Select or input a file name and click [Open].

The data for 32 units is saved in the selected file on the screen.

[Exit] button : Clicking this button terminates Setting value Load/Save.



(Fig. 2.3-34-1)

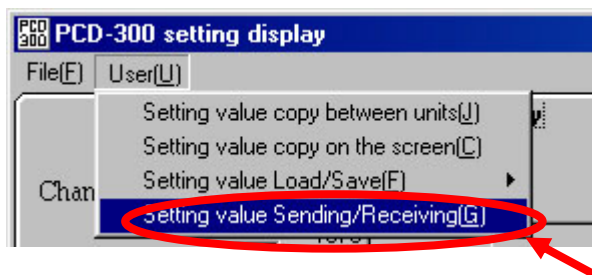


(Fig. 2.3-34-2)

(h) Setting value Sending/Receiving

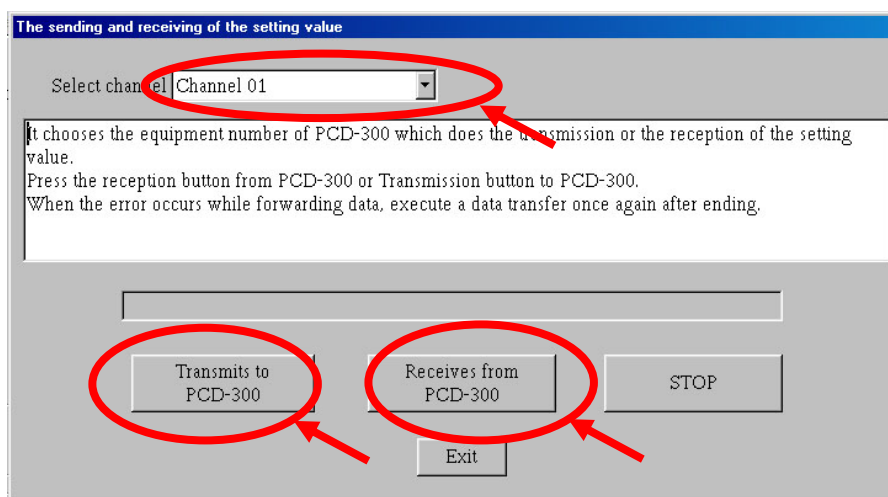
All setting values can be sent to the PCD-33A and received from the PCD-33A on the screen.

- ① Select [User (U)] on the menu bar – [Setting value Sending/Receiving (G)], and click.



(Fig. 2.3-35)

- ② Setting value Sending/Receiving screen appears.



(Fig. 2.3-36)

Operation explanation

Select Channel: Select a channel (unit) name to send or receive the setting value.

[Transmits to PCD-33A] button: By clicking this button, the setting value is sent to the selected channel (PCD-33A) on the screen.

[Receives from PCD-33A] button: By clicking this button, the setting value of the selected channel (PCD-33A) can be received and be read on the screen.

[STOP] button : Clicking this button stops Setting value Sending/Receiving.

[Exit] button : Clicking this button terminates Setting value Sending/Receiving.

(6) Data logging

Logs PV and SV for 32 units, and saves in a file.

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

File name selection

It is impossible to start data logging if the file name is not selected.

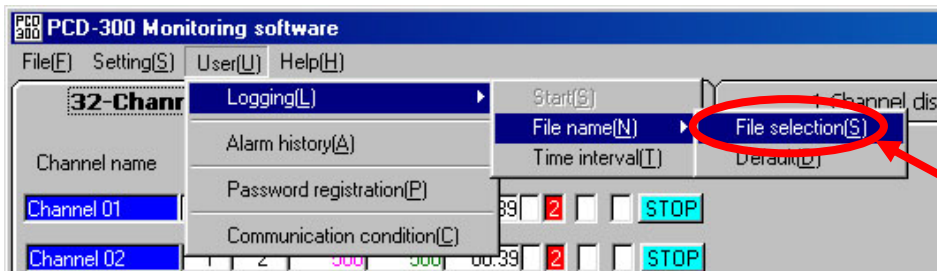
There are 2 ways to name a file as follows.

- The file can be freely named.
- Default: A file name is automatically determined from the date and time when data logging is started.

| | |
|-----------------|--|
| yymmdd_hhmm.csv | yy : Lower 2 digits of the year (2003: 03) |
| | mm : Month (January: 01) |
| | dd : Day (the 1st : 01) |
| | hh : Hour (8 a.m.: 08, 8 p.m.: 20) |
| | mm : Minute (1 minute: 01) |

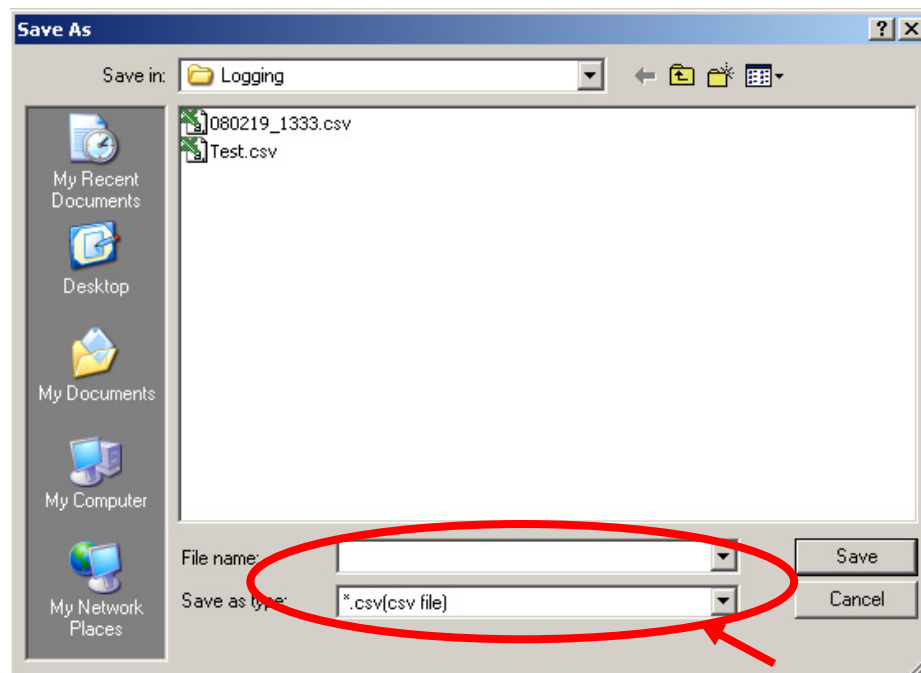
If monitoring software is closed during data logging, the data logging automatically starts next time monitoring software is started.

- ① Select [User (U)] – [Logging (L)] – [File name (N)] – [File selection (S)], and click.



(Fig. 2.3-37)

- ② The file name selection screen appears.
Input a file name and click [Save].

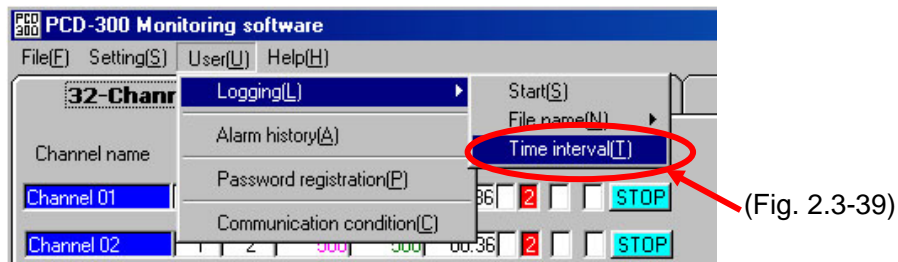


(Fig. 2.3-38)

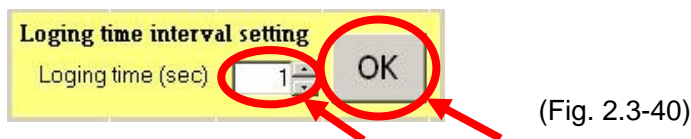
Data logging cycle setting

Set a data logging cycle (time interval) as follows.

- ① Select [User (U)] on the menu bar – [Logging (L)] – [Time interval (T)], and click.



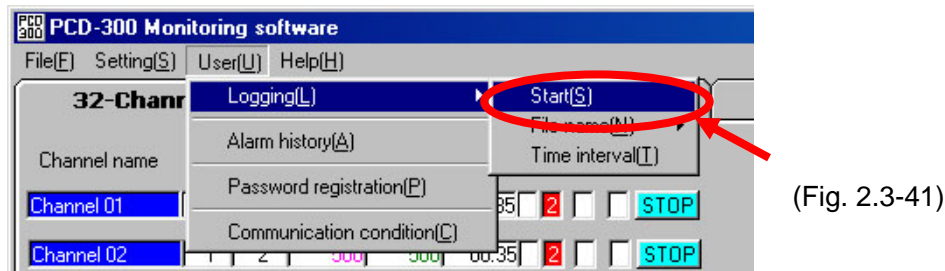
- ② Logging time interval setting screen appears.
Set a logging cycle. Setting range: 1 to 1800 seconds.



Data logging start

Data logging starts as follows.

- ① Select [User (U)] – [Logging (L)] - [Start (S)] and click.

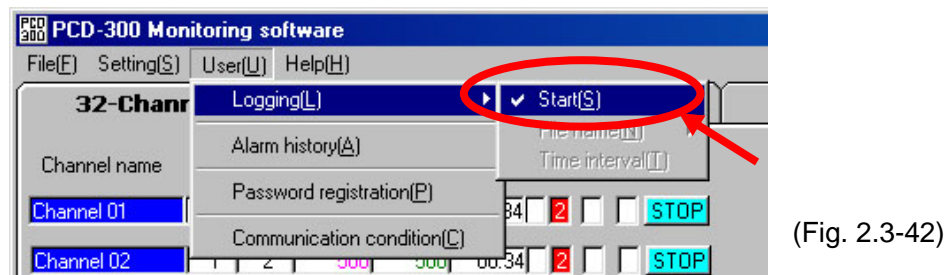


- ② Data logging is initiated.

Data logging termination

Data logging is terminated as follows.

- ① During data logging, select [User (U)] - [Logging (L)] - [Start (S)], and click.



- ② Data logging is terminated.

(7) Alarm history screen

During monitoring the following PCD-33A items are indicated:

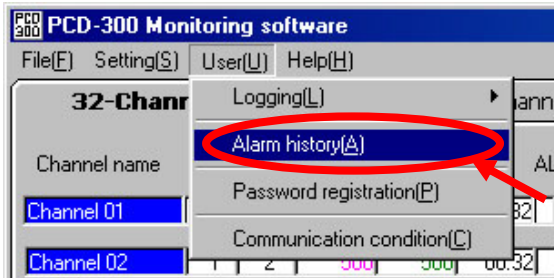
Alarm 1 (A1), Alarm 2 (A2), Overscale, Underscale, Channel (unit) name and Time when time signal occurred and was restored.

This information will be saved in the history folder with the following file name.

The file name is automatically set by the date and time when the monitoring software is started.

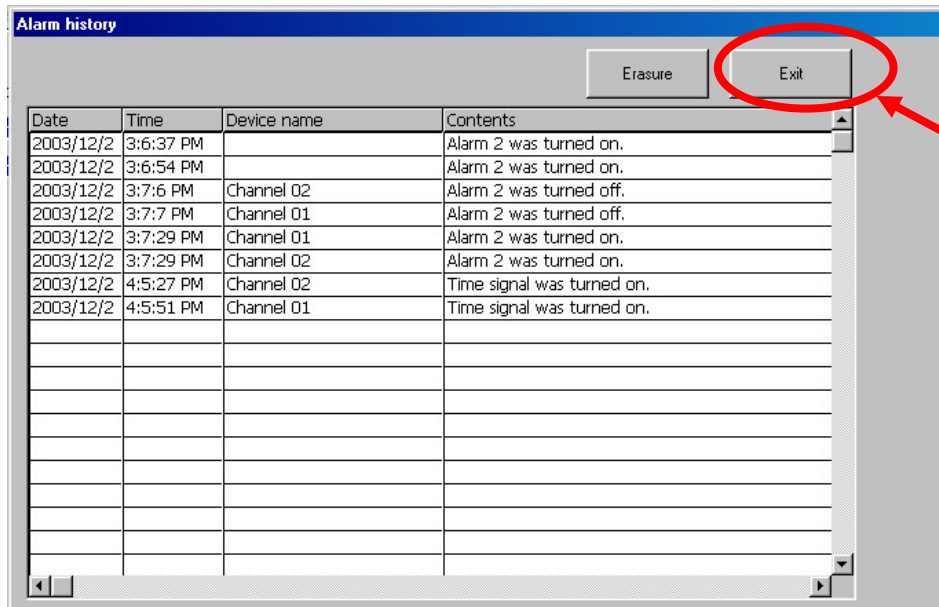
His_yyyy_mm_dd_hh_mm.txt yyyy: Year
mm : Month (January: 1)
dd : Day (the 1st : 1)
hh : Hour (8 a.m.: 8, 8 p.m.: 20)
mm : Minute (1 minute: 1)

- ① Select [User (U)] - [Alarm history (A)], and click.



(Fig. 2.3-43)

- ② Alarm history screen appears.



(Fig. 2.3-44)

Operation explanation

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

[Exit] button : Clicking this button closes the alarm history screen.

(8) Password registration

To use this software, the password must be registered so that nobody other than the operator can change setting values.

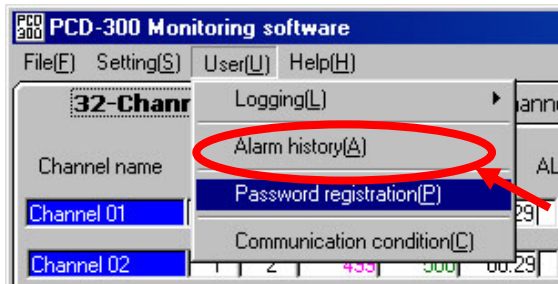
The following are limited by the password.

- When registering a channel (unit) name
- When proceeding to the setting screen

No default value has been set.

Click [OK] button, then each screen will be selected.

- ① Select [User (U)] on the menu bar – [Password registration (P)], and click.



(Fig. 2.3-45)

- ② Password registration screen appears.
Enter the current password, and click [OK].
Default value has not been set, so click [OK].



(Fig. 2.3-46)

- ③ New password input box is indicated.
Enter a new password and click [OK].



(Fig. 2.3-47)

Once the password is altered, no screen can be selected if the altered password is not entered.

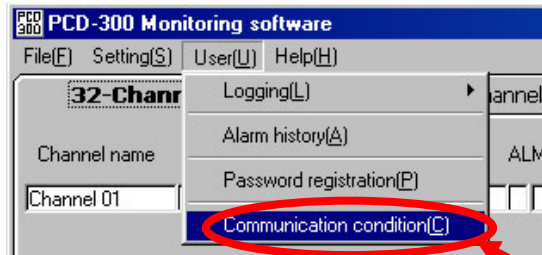
Be careful not to forget it.

If the password is forgotten, inquire at our agency or to us.

(9) Communication condition setting

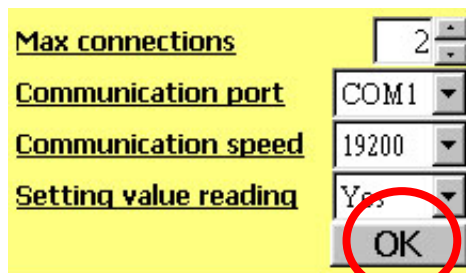
Set the number of connected units, communication port, communication speed, Setting value reading Yes/No when the monitoring software starts as shown below.

- ① Select [User (U)] on the menu bar – [Communication condition (C)], and click.



(Fig. 2.3-48)

- ② Communication condition setting screen appears.
Set the communication conditions and click [OK].



(Fig. 2.3-49)

Operation explanation

- Max. connections : Sets the number of PCD-33A units connected.
- Communication port : Select a communication port number (COM1 to COM8).
- Communication speed : Select a speed according to that of the PCD-33A.
- Setting value reading : If Setting value reading "Yes" is selected, data reading time of one PCD-33A unit with each communication speed is shown below.

The more PCD-33As that are connected, the longer it takes to start the software.

| | | |
|---------------------|-----------|--------------------|
| Communication speed | 19200bps: | Approx. 27 seconds |
| | 9600bps: | Approx. 32 seconds |
| | 4800bps: | Approx. 40 seconds |
| | 2400bps: | Approx. 1 minute |

If the Setting value reading [No] is selected, the monitoring software will start within several seconds regardless of the communication speed.

After the monitoring software starts, requisite minimum items (pattern number, step number, PV, SV, MV, unit status) have been read.

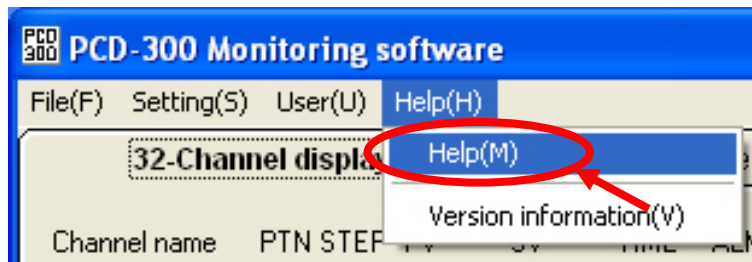
This data can be used for monitoring.

For setting items other than the above, default values have been set.

(10) Help screen

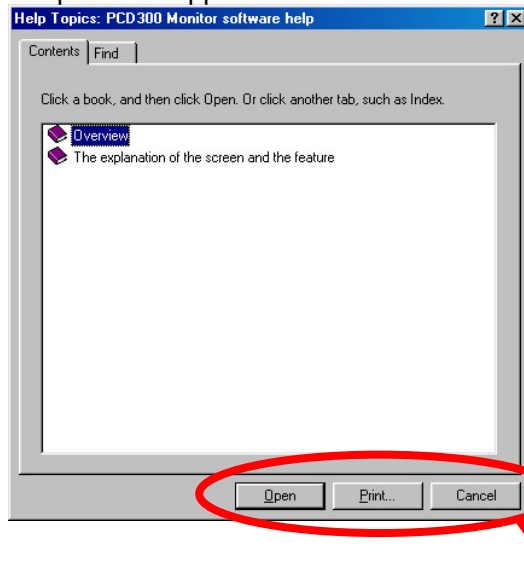
Each screen and operation method are explained.

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



(Fig. 2.3-50)

- ② Help screen appears.



(Fig. 2.3-51)

Operation explanation

[Open] button : Clicking this button opens the contents of Help selected.

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.

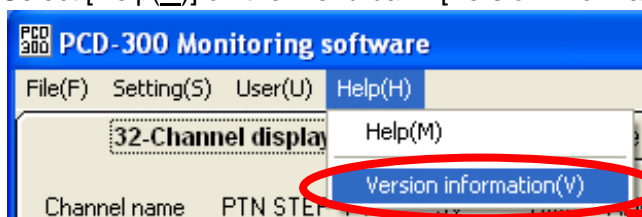
If the book icon is selected, all contents in the book are printed.

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

(11) Version information screen

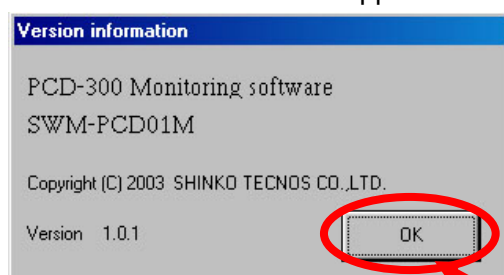
Version information on the monitoring software is described.

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



(Fig. 2.3-52)

- ② Version information screen appears.



(Fig. 2.3-53)

Operation explanation

[OK] button: Clicking this button closes the Version information screen.

***** Inquiry *****

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

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

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