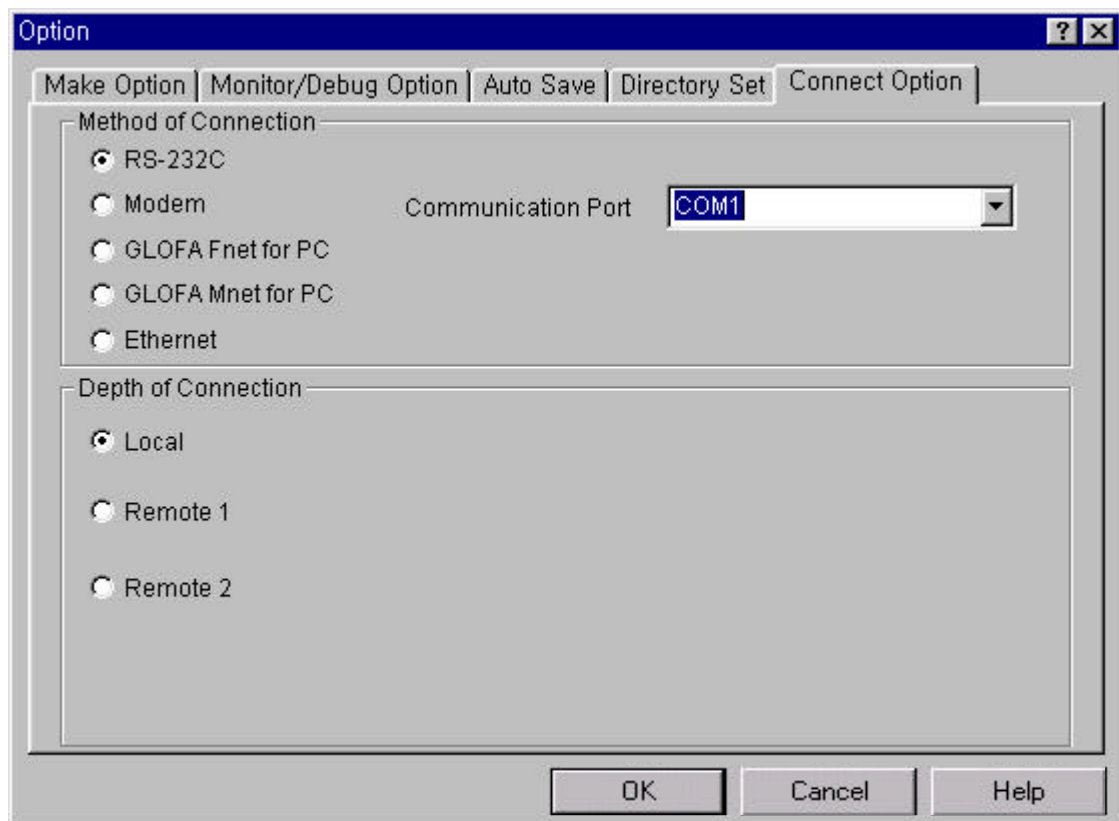


## Chapter 11. Option

### 11.1. Connect Option

You should set the communication port(COM1~4) to communicate with PLC.

- ◆ Select the **Project-Option-Connect Option** in menu.
- ◆ Default Connection is RS-232C interface.

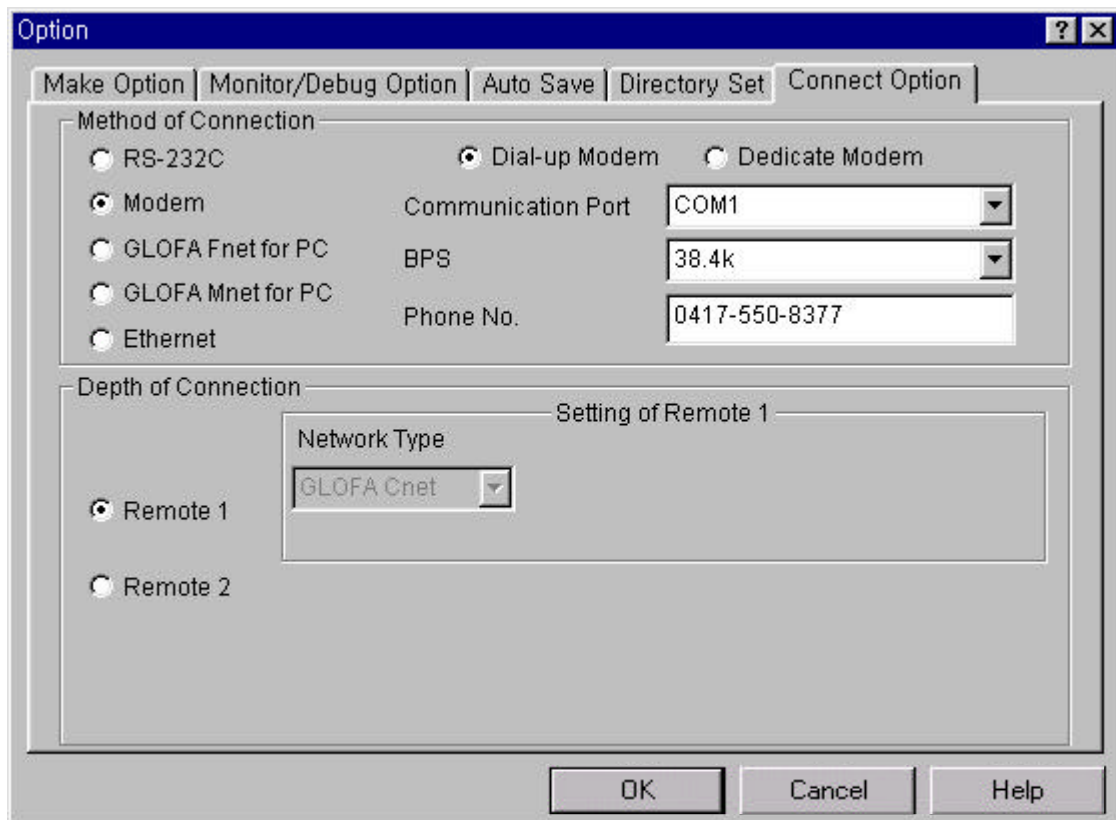


#### 11.1.1. Connection with a Series Communication

- ◆ Click **RS232-C** button in the Method of Connection list box.
- ◆ Click **OK** button after selecting the appropriate communication port.

## 11.1.1.2. Connection with Phone

- ◆ Select **Modem** button in the Method of Connection list box.



- ◆ Select **Communication Port** it has a modem in **Communication Port** list box.
- ◆ Select **BPS** which is supported by User' s modem in **BPS** list box
- ◆ Enter the phone number of opposite station in Phone No. box and click **OK** button.

### 11.1.1.3. Connection with GLOFA Fnet for PC

- ◆ Select GLOFA Fnet for PC .

The image shows a Windows-style dialog box titled "Option". It has five tabs: "Make Option", "Monitor/Debug Option", "Auto Save", "Directory Set", and "Connect Option". The "Connect Option" tab is selected. Inside the dialog, there are two main sections. The first section, "Method of Connection", contains five radio buttons: "RS-232C", "Modem", "GLOFA Fnet for PC" (which is selected), "GLOFA Mnet for PC", and "Ethernet". To the right of these radio buttons are two list boxes: "Port Address" with "0x200" selected and "Memory Address" with "0xC000" selected. The second section, "Depth of Connection", contains two radio buttons: "Remote 1" (selected) and "Remote 2". To the right of "Remote 1" is a "Network Type" list box with "GLOFA Fnet" selected. To the right of "Remote 2" is a "Station No." text box with "0" entered. At the bottom of the dialog are three buttons: "OK", "Cancel", and "Help".

- ◆ Select an appropriate port address in **Port Address** list box.
- ◆ Select an appropriate memory address in **Memory Address** list box and click **OK** button.

### 11.1.1.4. Connection with GLOFA Mnet for PC

- ◆ Select GLOFA Mnet for PC.
- ◆ Select an appropriate port address in **Port Address** list box.
- ◆ Select an appropriate memory address in **Memory Address** list box and click OK button.

### 11.1.1.5. Connection with Ethernet

- ◆ Select **Ethernet**.

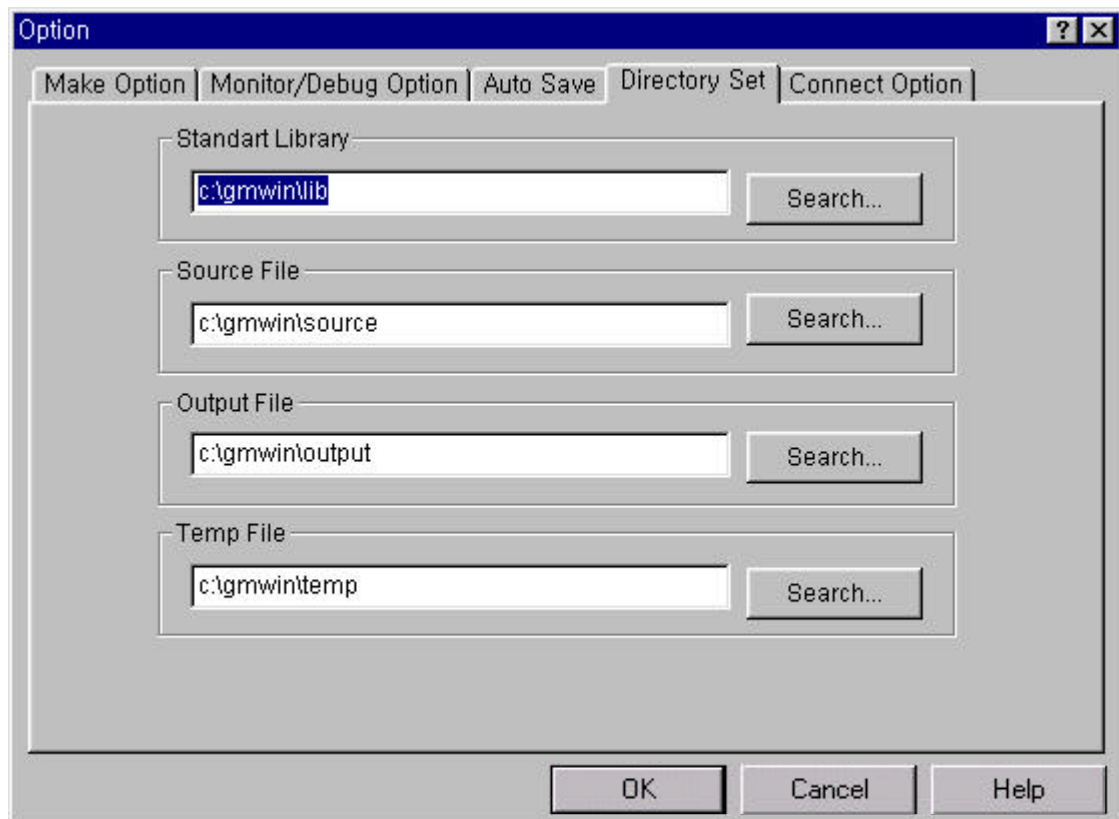
### 11.1.6. Computer Link Information

Item	Standard	
Serial Communication	RS-232C    1 Channel	Standard RS-232C specification
	RS-422/485   1 Channel	StandardRS-422/485 specification
User Defined    Protocol	A user makes Communication Frame with Frame Editor and downloads to a link module, then a user can control the communication protocol by F/B of user program.	
PLC Interface	Queue Access type by 32K universal RAM	
Communication Protocol	Exclusive Protocol	It supports the multi drop 1 on 1 type with Exclusive Protocol of LGIS
	GMWIN Protocol	It supports Remote PLC control with GMWIN Uses by GMWIN Protocol of GLOFA PLC.
	User Defined Protocol	Download with Frame Editor. (Set the RS232 and RS422 independently)
Data Type	7 or 8	Download after setting in the Editor(Set the RS232C and RS422 Independently)
	1 or 2	
	1	
	Even/Odd	
Channel Selection	Select Independent Channel/Dependent Channel in Editor	
Synchronization Type	Supplement Synchronization Type	
Transmission Speed(BPS)	You can select among the 300/600/1200/2400/4800/9600/19200/38400	
Modem Communication	RS-232C Channel connection available	
System Configuration	1:1, 1:N, N:M configuration available (N + M    32)	
Transmission Range	RS-232C : Maximum 15M (Extension by Modem is available)	
	RS-422 : Maximum 500M	
Diagnosis	Loop-Back Test Mode	Test1/Test2 Mode
	Operating status is displayed by 16 LED Display in the Run	

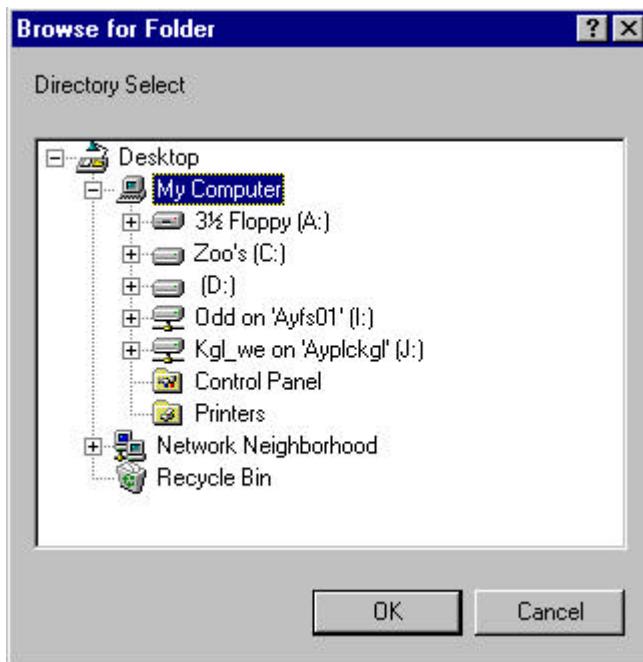
### 11.2. Set the directory of GMWIN

You can set 4 kinds default directories and use it in GMWIN .

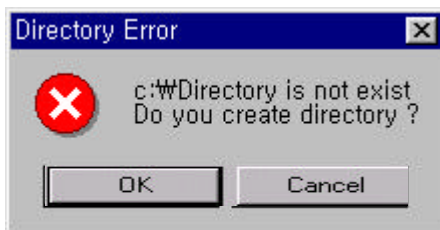
- (1) Standard Library Directory: Libraries for GMWIN are located in this directory, and User Defined Libraries also do.
  - (2) Source File Directory: In Source File Directory, GMWIN saves source program files of program, function, function block and etc.
  - (3) Output File Directory: Object files are saved in this directory, which are created when source file is compiled.
  - (4) Temporary File Directory: GMWIN saves temporary file in this directory during the execution.
- ◆ Select the **Project-Option-Directory Set** in menu.



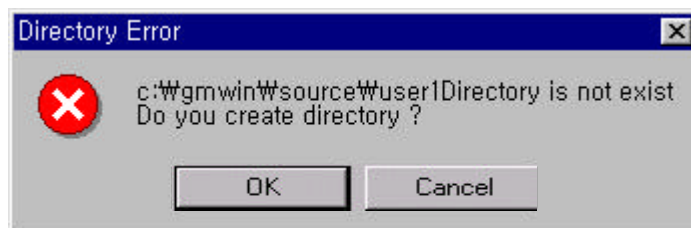
- ◆ Input a directory it contains Standard Library (STDLIB.?FU, STDLIB.?FB) in **Standard Library** box or input a searched directory it contains Standard Library after searching with click **Search...** button.



- ◆ If you finish the setup of the directory, click **OK** button.
- ◆ If the directory that you select for the standard library does not exist, the following error message box appears.



- ◆ Enter the directory to save source file in the **Source File** input text box, and click **OK** button.
- ◆ If the entered directory does not exist, the following error message box is displayed. If you want to create the entered directory, click **OK** button. Otherwise click **Cancel** button.

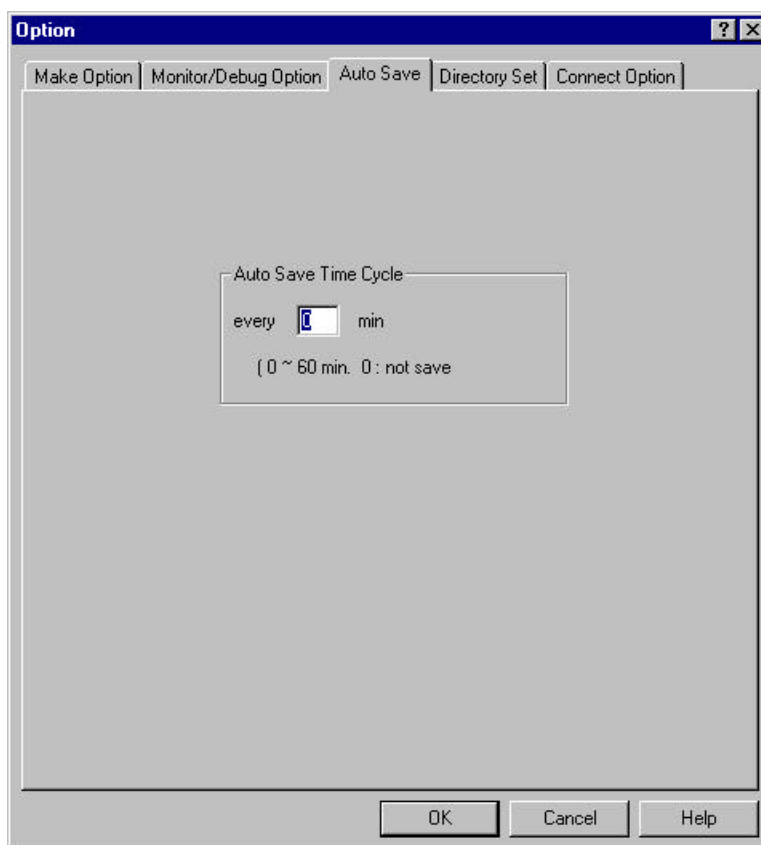


- ◆ The input method of **Output** file/**Temporary** file is the same as input method of source file.

### 11.3. Auto Save

This function is to set the time interval for Auto saving.

Automatically saved file is saved with ".ASV" file in the current directory. The file is automatically deleted when the program window is closed. Therefore if a program cannot be saved by "Program Error" before program is not saved, you can recover some program by loading auto saved file.

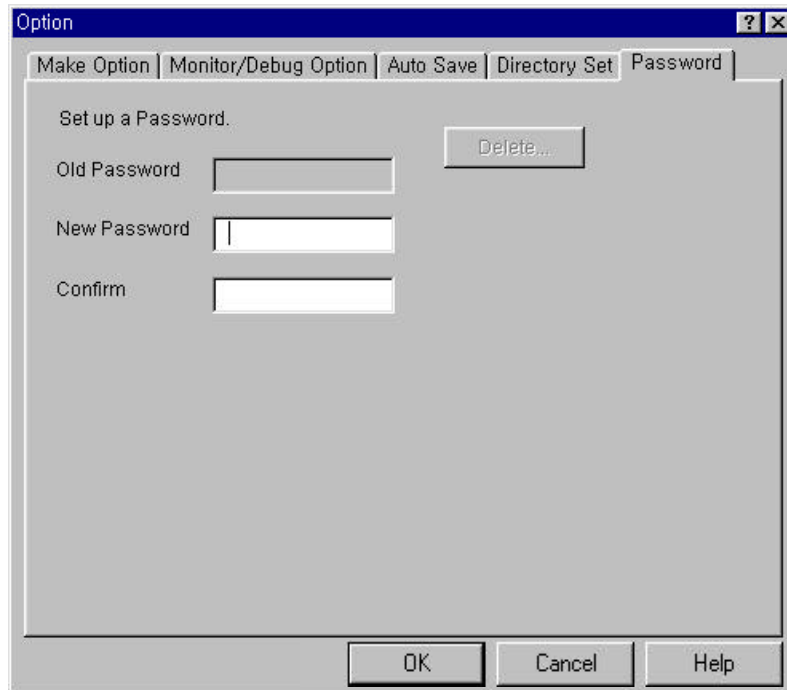


- ◆ Select **the Project-Option-Auto Save** in menu.
- ◆ Enter the time interval for auto saving.(1 to 60 minutes is available, and if you enter ' 0' , auto save function is disabled.)
- ◆ Click **OK** button.

## 11.4. Set a Password

This function is to set a password in PLC.

- ◆ Select the Project-Option-Password in menu.(It is available only in Online mode)



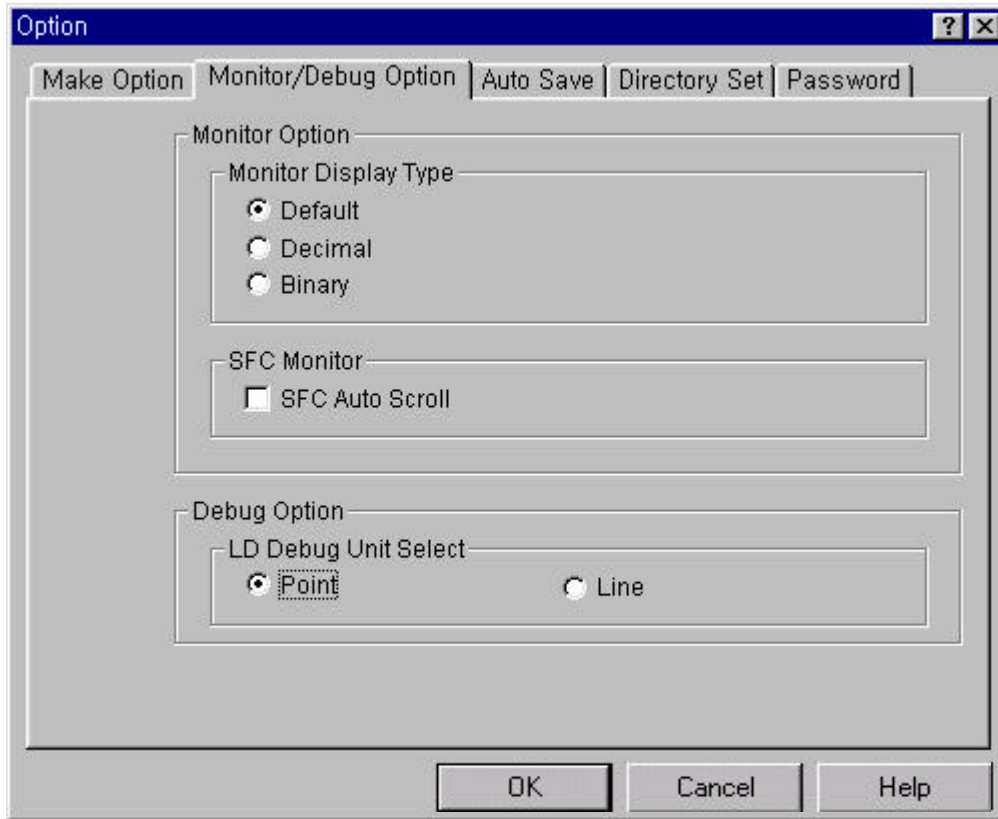
- ◆ Select the **Password** Tab, and enter the old password, new password and confirm the password.
- ◆ Click **OK** button.
- ◆ To cancel the password setting.
- ◆ Click Delete button .



### 11.5. Monitor/Debug Option

To set the whole options for monitoring.

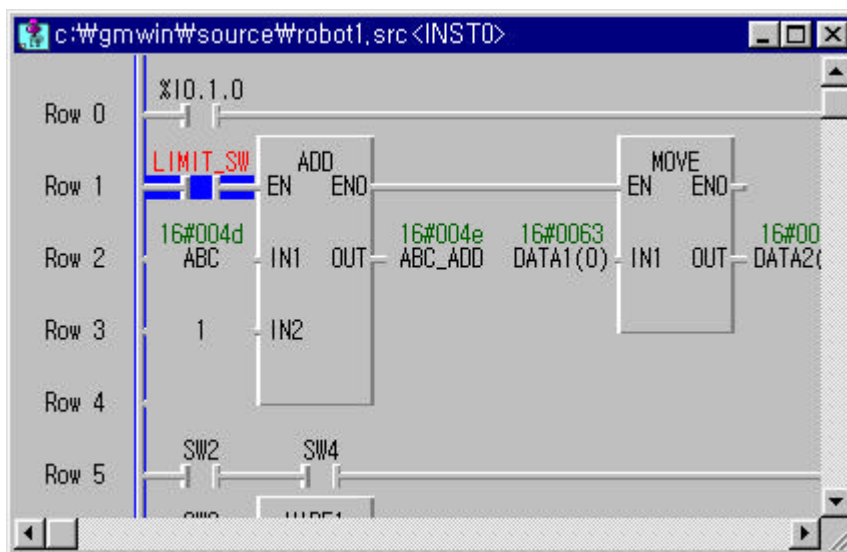
- ◆ Select the **Project-Option-Monitor/Debug Option** in menu.



In monitoring mode, it allows you to change the display type of monitoring variable.

- ◆ Select the Project-Option-Monitor/Debug Option in menu.
- ◆ Select the desired display type in the Monitor Display Type, click **OK** button

Example) If you select the Default in Monitor Display Type, The value of variable monitoring is displayed as hexa type like "16#\*".



- (1) SFC Auto Scroll Option
  - ◆ If you check the **SFC Auto Scroll**, it scrolls automatically with monitoring position.
- (2) Debug Option
  - ◆ When you debug LD, you can select the **Point** or **Line** in **Debug Option** menu.

## 11.6. Make Option

It allows you to select **compile type**, to select **output file** and to set the **size of %M** area in Make option.

- ◆ Select the **Project-Option-Make Option** in menu.



### Compile Type Select Option

- ◆ **Compile Type Select** allows you to set the method of compile for the source program.
- ◆ If you select the **Compile All** in the **Compile Type Select**, GMWIN compiles again from the first line regardless editing a source program.
- ◆ If you select the **Part Compile** in the **Compile Type Select**, GMWIN compiles the updated part.
- ◆ You can select making upload program for the output file in **Output File Select**.
- ◆ You can select the size and retain of %M in the %M Area Size Set.
- ◆ You can select %M area to be cleared at the turning point of **STOP** Mode in the **M Area clearing cet at Stop**.