

EB-50GU-A/EB-50GU-J - Compatible InterlockConfigTool Operation Manuals

CONTENIO	
1. Safety Precautions	1
2. Introduction	2
3. System Requirements	5
4. Installation and Uninstallation	6
4.1 Installation	6
4.2 Uninstallation	10
5. Operating Instructions	11
5.1 Exporting the Initial Settings of the EB-50	11
5.2 Starting Up the InterlockConfigTool	13
5.3 Operating Instructions for the Interlock Control List	14
5.3.1 Interlock Control List	15
5.4 Editing the Interlock Settings	16
5.4.1 List of Interlock Setting Items	19
5.4.2 Setting the Air Directions	21
5.4.3 Setting the Fan Speeds	22
5.5 Selecting Equipment Types	23
5.6 Confirming the Interlock Settings	25
5.7 Saving the Interlock Control Settings	26
5.8 Exporting the Initial Settings in a CSV File	27
5.9 Importing the Initial Settings into the EB-50	28
6. Error Message List	31

CONTENTS

Before using the InterlockConfigTool, please read this manual carefully to ensure proper operation.

Retain this manual for future reference.



1. Safety Precautions

- •Thoroughly read the following safety precautions prior to installation.
- •Observe these precautions carefully to ensure safety.



- •Make sure that the manual is passed on to the users.
- •The users should keep manual for future reference and refer to it as necessary. This manual should be made available to those who repair or relocate the units. Make sure that the manual is passed on to any future air conditioning system users.
- InterlockConfigTool must be installed by a technician who is familiar with Mitsubishi Electric products.

IMPORTANT

This controller is designed for exclusive use with the Building Management System by Mitsubishi Electric. The use of this controller for with other systems or for other purposes may cause malfunctions. To reduce the risk of malfunctions, do not use the product at hand in combination with other applications or software.

To prevent unauthorized access, always use a security device such as a VPN router when connecting to the Internet.

Important Notice to the Users (License Agreement)

This document serves as an agreement between the user of the application software and Mitsubishi Electric Corporation. By using this product, you agree to the following terms:

•Mitsubishi Electric Corporation and its associated dealers, under any circumstances, accept no liability for any direct, indirect, special, incidental, punitive, or any other damages or losses, even if the seller is notified of the possibility of such damages. We cannot accept liability for any third party claim.

•This document and the software shall not be made public without the consent of Mitsubishi Electric Corporation.

2. Introduction

EB-50GU-A/EB-50GU-J - Compatible InterlockConfigTool is <u>a tool you can use to verify or change EB-50's</u> Interlock control settings.s

EB-50GU-A and EB-50GU-J are collectively referred to as EB-50

- (1) InterlockConfigTool allows its users to verify or change the current Interlock control settings, using the EB-50's Initial Settings exported to an HDD or a USB memory.
- (2) The Interlock control settings can be exported in a CSV file. The exported CSV file can be opened in spreadsheet software, such as Microsoft[®] Excel.
- (3) The data exported from the InterlockConfigTool to an HDD or a USB memory drive can be imported into the EB-50.

Function	Explanation	Reference
Reading in the EB-50 settings	Allows the user to check or change the Interlock control settings by exporting the Initial Settings to an HDD or a USB memory from the EB-50 and importing them into the InterlockConfigTool.	5.1 5.2
Checking the Interlock control settings	Allows the user to check the Interlock control settings in a list format.	5.3 5.6
Changing the Interlock control settings	Allows the user to change the existing Interlock control settings.	5.3 5.4 5.5
Writing the data on the EB-50	Allows the user to export the edited data to an HDD or a USB memory. The data can be imported into the EB-50 without the need for data conversion.	5.9
Temporarily storing the settings	Allows the user to temporarily save the Interlock control settings.	5.7
CSV output	Allows the user to export the Interlock control settings in a CSV file.	5.8

Important

- Before using the InterlockConfigTool, perform the initial settings either via the Web Browser for the InterlockConfigTool to function properly.
- The InterlockConfigTool is compatible with versions 7.01 of the EB-50.
- · Do not import the data exported from "Design Tool" into the InterlockConfigTool.
- <u>Make sure the Interlock Control license for the EB-50 is valid.</u> The InterlockConfigTool cannot be used without a valid Interlock Control license.

Important

Before using the interlock control, you must agree to the following.

- 1. <u>Before making the settings for the Interlock Control Functions, thoroughly read the</u> section "Web browser for Initial Settings" in the EB-50 Operation Manual.
- 2. This feature must not be used for disaster prevention or security purposes unless a backup device is provided in case of failure of this feature. (Not designed to be used in situations that are life-threatening)
- 3. No functions must be added that allow the malfunctioning unit to run by defeating the safety features, such as an external ON/OFF switch or a short-circuit.
- 4. Those settings for the function that are not supported by the interlocked units must not be made. All the settings must be made within the specified range.
 - (Failure to observe these precautions may result in malfunctions and failures.)
- 5. Perform a test run for interlock control, and confirm the correct settings and normal operation.
- 6. The system must be configured in the way that integrates the operation of the interlocked fire and emergency control systems.
- 7. The followings are the condition examples that should NOT be set.
 - <Inappropriate condition examples repeating ON and OFF eternally> Ex1: Turn off Group1 when Group1 is turned on.
 - Ex2: Turn on Group1 when Group1 is turned off.

These settings may damage the units by repeating ON and OFF.

Sample system configuration for the InterlockConfigTool



Important

- <u>After data is exported to an HDD or an USB memory, edited with InterlockConfigTool, and imported back into the EB-50, do not make any settings changes (e.g., group settings) on the EB-50. If any changes are made before the exported data is imported back, the EB-50 will not function properly.
 Only import the edited initial Settings data into the EB 50 from which the original data was
 </u>
- <u>Only import the edited Initial Settings data into the EB-50 from which the original data was</u> <u>exported to the InterlockConfigTool. If the edited data is used to overwrite the data on other</u> <u>EB-50, all data including group information will be overwritten.</u>

3. System Requirements

To use the EB-50GU-A/EB-50GU-J-compatible InterlockConfigTool, the following system requirements must be met.

	Specifications		
PC	PC/AT-compatible		
08	Microsoft [®] Windows Vista [®] Business 32-bit Service Pack 2 Microsoft [®] Windows [®] 7 Professional 32- or 64-bit Service Pack 1 Microsoft [®] Windows [®] 8 Professional 32- or 64-bit		
03	.NET Framework 2.0 or later is required. (Windows [®] 8 may not have .NET Framework 2.0 installed as a standard application.)		
CPU	1 GHz or faster recommended (32bit(x86) or 64bit(x64))		
RAM	Windows Vista®1 GB or moreWindows® 7/81 GB or more		
USB Port	Minimum 1 port		
Monitor Resolution	1024×768 or higher		
Spreadsheet Software	Microsoft [®] Excel 2003/2007/2010/2013		

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4. Installation and Uninstallation

4.1 Installation

Installing the InterlockConfigTool

Important

Windows 8 may not have .NET Framework 2.0 installed as a standard application, and <u>installation</u> of .NET Framework 2.0 requires an Internet connection.

If the computer on which the InterlockConfigTool will be installed does not have an active Internet connection, have the .NET Framework 2.0 installation file ready by following the instructions detailed under [Installation Procedures: .NET Framework 2.0].

• Before installing the InterlockConfigTool, make sure the computer meets the system requirements specified under section 3. System Requirements.

[Installation Procedures: InterlockConfigTool]

- (1) Save all work in progress, and quit all applications. Refer to the relevant software manuals for how to save the data or quit the programs.
- (2) Insert the Setup CD into the computer drive, and run Setup.msi.
- (3) On Windows 8, a popup message may appear as shown in the figure at right. If this message appears, click "No," to exit the window. Install .NET Framework 2.0 by following the instructions on page 8 under [Installation procedures: .NET Framework 2.0], and install the InterlockConfigTool.
- (4) Click "Next" on the InterlockConfigTool installation screen.



(5) Specify the installation destination folder. To use the default destination folder, click "Next."

(6) Click "Next" on the next screen to start the installation process. Wait until installation is complete.



(7) The window shown at right will appear upon completion of the installation. Click "Close" to exit the installation application.

InterlockConfigToolEB	i0	
Installation Comp	lete	
InterlockConfigToolEB50 has	been successfully installed.	
Click "Close" to exit.		
Please use Windows Update	to check for any critical updates to the	e .NET Framework.
	Cancel	< Back Close

[Installation Procedures: .NET Framework 2.0].

- Follow the procedures below to install [.NET Framework 2.0] on Windows 8.
- (1) Open "Control Panel".
- (2) Click "Programs and Features" in "Control Panel".



(3) Click "Turn Windows features on or off".



(4) Check the checkbox next to ".NET Framework 3.5 (includes .NET 2.0 and 3.0)", and then click "OK".

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To turn check b	a feature on, select its check box. To turn a feature off, cle ox. A filled box means that only part of the feature is turne	ear its ed on.
- (I)	.NET Framework 3.5 (includes .NET 2.0 and 3.0)	^
	.NET Framework 4.5 Advanced Services	
-	Internet Explorer 10	
•	Internet Information Services	
	Internet Information Services Hostable Web Core	
* 🗸	Media Features	
± 🔲	Microsoft Message Queue (MSMQ) Server	
± •	Print and Document Services	
-	Remote Differential Compression API Support	
	RIP Listener	
•	Simple Network Management Protocol (SNMP)	
	Simple TCPIP services (i.e. echo. daytime etc)	*
	ОКС	ancel

(5) Click "Download files from Windows Update". File download will automatically start.



Important

Internet access is required to download files.

4.2 Uninstallation

Follow the steps below to uninstall the InterlockConfigTool.

[Uninstallation Procedures: Windows 8]

[Uninstallation Procedures: Windows 7]

and then click "Uninstall."

(1) Launch "Programs and Features" in "Control Panel."

(1) Launch "Programs and Features" in "Control Panel."

(2) Click "InterlockConfigToolEB50" on the list,

(2) Click "InterlockConfigToolEB50" on the list, and then click "Uninstall."

8	Programs and Features		×
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	Mitsubishi Electric Corp. Product version Size	1.0.0 3.43 MB	

Control Panel Home View installed updates Tum Windows features on or	Uninstall or change a program To uninstall a program, select it from the li	st and then click Uninstall, Change, or Re	pair.
cm	Organize - Uninstall Change Repair		··· •
	Name	Publisher	Installed

[Uninstallation Procedures: Windows Vista]

- (1) Launch "Programs and Features" in "Control Panel."
- (2) Click "InterlockConfigToolEB50" on the list, and then click "Uninstall."



5. Operating Instructions

5.1 Exporting the Initial Settings of the EB-50

How to export the Initial Settings from the EB-50 to be used with the InterlockConfigTool will be explained below.

Important

Before using the InterlockConfigTool, make sure the Interlock Control license for the EB-50 is valid.

The InterlockConfigTool cannot be used without a valid Interlock Control license.

* Refer to the EB-50 Operation Manual for how to check the validity status of the Interlock Control license.

<u>After data is exported to an HDD or a USB memory, edited with InterlockConfigTool, and imported back into the EB-50, do not make any settings changes (e.g., group settings) on the EB-50. If any changes are made before the exported data is imported back, the EB-50 will not function properly.</u>

[Operating Procedures]

Note

- If the Interlock Control is already in use on the EB-50, skip steps (1) and (2) below.
- (1) Click "Function 3" then "Interlock control" from the menu on the EB-50's Initial Setting Web browser to open the Interlock control settings screen.
- (2) Click "Execute" at the left top area then "Save settings" at the right bottom area.



(3) Click "Utility" then "Back up/import setting data" from the menu on the EB-50's Initial Setting Web browser to open the Back up/import settings screen.

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Data import so	Surce :				Browse	J
				Import sett	ings data	
				Copyright(C) 2004-2013 M	ITSUBISHI ELECTRIC CORPORA	TION All Rights Res

(4) To back up the data, click [Back up settings data]. The settings data will be created and the Window's standard file download dialog will appear. After that, this data can be exported to an HDD or a USB memory.

Note: It will take a few minutes to create the settings data. Note: The name of the settings data will be "SettingData.dat".



5.2 Starting Up the InterlockConfigTool

[Operating Procedures]

(1) If using USB memory with the EB-50's Initial Settings data, before launching the InterlockConfigTool, insert the USB memory into the USB port on the computer.

Note

· Back up the data on the USB memory drive on to a computer before using the InterlockConfigTool.



(3) A progress bar will appear to indicate the progress of data transfer. Upon completion of Initial Settings data transfer, the Interlock control list will appear.

na Diacas wait	
i	ing. Please wait.

5.3 Operating Instructions for the Interlock Control List

The current interlock settings can be verified on the Interlock control list. By selecting a specific row, its detailed settings can be viewed and/or changed, using the menu bar at the left top or the buttons on the right side of the screen. To verify or change the settings, click the desired row. Refer to section 5.3.1 "Interlock control list" for further details.



Note

 Up to four names of the Input units and Output units will be displayed on the Interlock control list. If five or more pieces of equipments are registered, the number of equipments will appear, instead of their individual names (e.g., "Group (5)" or "Address (8)"). In that case, the names of the equipments can be viewed on the Confirmation screen. Refer to section 5.6 "Confirming the Interlock Settings" for details about the Confirmation screen.

5.3.1 Interlock Control List

Function		Explanation
File	Open *1	Opens the temporarily saved Interlock control settings file.
	Close *1	Closes the Interlock control settings being edited.
	Save	Saves the Interlock control settings being edited.
	CSV output	Exports the Interlock control settings being edited in a CSV file.
		Refer to section 5.8 "Exporting the Initial Settings in a CSV file" for details.
	Import *1	Imports the Initial Settings exported from the EB-50.
		Refer to 5.2 "Starting Up the InterlockConfigTool" for details.
	Export	Creates the Initial Settings data file to be imported to the EB-50.
		Refer to section 5.9 "Importing the Initial Settings into the EB-50" for details.
	End *1	Exits the InterlockConfigTool.
Edit	Сору	Copies the interlock settings of the selected row.
	Deste	(Shoricul: [Ciri]+[C])
	Paste	Pastes the copied interiock settings to the selected row.
	Incert	(choiced: [ctri] [V])
	moert	(Shortcut: [Ctrl]+[I])
	Delete	Deletes the selected row
	201010	(Shortcut: [Delete])
	Delete all	Deletes all interlock settings.
Config	Confirm	Displays the interlock settings of the selected row.
		(Double click the selected row, or press the "F7" key to perform the same
		action.)
		Refer to 5.6 "Confirming the Interlock Settings" for details.
	New	Creates new interlock settings.
		(Shortcut: [Ctrl]+[N])
		Refer to section 5.4 "Editing the Interlock Settings" for details.
	Config	Configures the settings for the selected row.
		(Shortcut: [F8])
		Refer to section 5.4 "Editing the Interlock Settings" for details.
	All Enable	Enables (black square) all interlock settings.
	All Disable	Disables (white square) all interlock settings.
Option	Temp. Display	Switches between Celsius and Fahrenheit display.
	CSV delimiter	Selects the type of delimiters to be used in the CSV file.
Enable/Disable	e button	Enables (black square) or disables (white square) the interlock settings.

Important

• Before performing actions marked with "*1," save the data, using the "Save" or the "Export" button.

Important

• Using "Temp. Display" under "Option," the temperature display can be switched between Celsius and Fahrenheit.

The initial settings are as follows:

Celsius or Fahrenheit depending on the setting on the EB-50

5.4 Editing the Interlock Settings

The interlock settings for the selected rows can be edited, or a new set of interlock settings can be created as explained below.

Refer to the section [Operating Procedures 1: Creating new interlock settings] for how to create new interlock settings.

Refer to the section [Operating Procedures 2: Editing the existing interlock settings] for how to edit the existing settings.

Refer to section 5.4.1 "List of Interlock Setting Items" for the detailed interlock settings.

Note

• It is recommended that the Interlock settings file be output in the CSV file for later viewing.

[Operating Procedures 1: Creating new interlock settings]

(1) Click "New" on the right side of the Interlock control list or select "New" from the Menu.



 Set the "Input State" conditions appropriate for given types of equipments. If non-supported functions are assigned, the equipments may not function properly.

Fan

- (5) Select Input Units by clicking "Select Units" at the left bottom of the screen. Refer to section 5.5 "Selecting Equipment Types" for details.
- Select Units Group1-11C-001 Group1-24C-002 Output Unit Type * Free Output Points Group ON/OFF --Mode C Fan Speed Air Dire T Prohibit Operation (ON/OFF) Prohibit Operation Prohibit Operation (Set Temp.) (Mode) Screen that appears when Output Unit Type is Group ON/OFF ON Screen that appears when Output Unit Type is Free Output Points

(6) Select the Output Unit Type.

Note

• The "Interlock Operation" and the "Output Unit Selection" buttons will be available for selection when Output Unit Type is selected.

Important

- Before changing the Output Unit Type, delete all selected Output Units.
- (7) Set the Interlock Operation settings. The number of items to be set depends on the Output Unit Type selected. When the Output Unit Type is Group, make the setting for at least one action.

Note

- "Set Temp." can be set only after the "Mode" has been specified.
- Not all items are available in all modes (e.g., Air Direction).
- Make the "Interlock Operation" settings appropriate for given types of equipments. If non-supported functions are assigned, the equipments may not function properly.

When "Free Output Points" is selected for the "Output Unit Type," select ON or OFF.

(8) Click "Select Units" to select Output Units. Refer to section 5.5 "Selecting Equipment Types" for details.



(9) After the settings for items (3) through (8) above have been complete, click "OK" to exit the window and return to the "Interlock control list" screen.

Note

• Click "OK" after all the settings have been made. The settings cannot be saved unless all the settings have been made.

[Operating Procedures 2: Editing the existing interlock settings]

(1) Select a desired row to change its settings from the Interlock control list.



(2) Click "Config" on the right side of the "Interlock control list", or select "Config" from the menu.

(3) A settings configuration window will appear. (A sample screen appears below.)



(4) When done editing the settings, click "OK" to return to the "Interlock control list" screen.

5.4.1 List of Interlock Setting Items

Important

• The available settings for certain items such as "Mode" and "Fan Speed" depend on the type of indoor units connected. Making the "Input State" or "Interlock Operation" settings not supported by the connected indoor units may cause equipment trouble. Before making these settings, make sure the function is supported by the indoor units.

Summarized in the table below are the types of settings to be made for the Input Units. Be sure to set the settings for all the items.

Setting		Function
Input Catego	ory	Selects the category for the equipment whose status is used to trigger interlock operation. *1
Input State	Input State	Selects the interlock conditions. For the condition "All XXX" to be met, the status of all Input Units must be XXX. For the condition "One or more XXX" to be met, both of the following must hold true: All Input Units were in the state of non-XXX, and the status of one or more Input Units has changed from the status of non-XXX to XXX.
	Select mode	Selects the mode to be used as an interlock condition when the "Input State" is set to "Group (Mode)."
Input Unit {	Selection Button	Displays the "Input Unit Selection" window.

*1 The setting cannot be changed if Input Units are already selected. To change the setting, delete all selected Input Units.

Summarized in the table below are the types of settings to be made for the Output Units. If the setting for the "Output Unit Type" is set to "Group," make the setting for at least one item under "Interlock Operation," and make the settings for all remaining items. If the "Output Unit Type" is set to "Free Output Points," make the settings for all items.

Setting		Function
Output Unit	Туре	Selects the type of equipments to be operated when the input conditions are met. *1
Interlock	Output Unit Type:	Selects type of operation for the selected group to perform when the input
Operation	Group	conditions are met.
	Output Unit Type:	Selects type of operation for the "Free Output Points" when the input conditions are
	Free Output Points	met.
Output Uni	t Selection Button	Displays the Output Unit selection window.

*1 This setting cannot be changed if Output Units are already selected. To change the setting, delete all selected Output Units.

Summarized in the table below are the Interlock Operation setting options for the system whose "Output Unit Type" is set to "Free Output Points."

Setting	Function
ON/OFF	The contact turns ON or OFF when the input conditions are met.

Summarized in the table below are the Interlock Operation Settings options for the system whose "Output Unit Type" is set to "Group."

Interlock C	peration Setting	Function
Interlock Operation	ON/OFF	Turns on or off the interlocked equipments when the input conditions are met. No interlock operations will be performed when this item is set to ""
	Mode	Changes the operation mode to the specified mode when the input conditions are met. No interlock operations will be performed when this item is set to ""
	Set Temp.	Changes the preset temperature to the specified Set Temp. when the input conditions are met. No interlock operations will be performed when this item is set to "" *1 *2
	Fan Speed	Operates the fan at the specified speed when the input conditions are met. How to set the fan speed depends on the model. Refer to section 5.4.3 "Setting the Fan Speeds." No interlock operations will be performed when this item is set to (blank space).
	Air Direction	Changes the air flow direction to the specified air flow direction when the input conditions are met. How to set the air direction depends on the model. Refer to section 5.4.2 "Setting the Air Directions." No interlock operations will be performed when this item is set to (blank space). *2
	Prohibit Operation (ON/OFF)	Permits or prohibits the ON/OFF operation from local remote controllers when the input conditions are met. No interlock operations will be performed when this item is set to (blank space). *3
	Prohibit Operation (Mode)	Permits or prohibits mode change from local remote controllers when the input conditions are met. No interlock operations will be performed when this item is set to (blank space). *2
	Prohibit Operation (Set temp.)	Permits or prohibits temperature change from local remote controllers when the input conditions are met. No interlock operations will be performed when this item is set to (blank space). *2

*1 Specify the "Mode" before setting the "Set Temp."

To reset the "Set Temp." to "--," use the up or down arrow to set the temperatures outside the setting range.

*2 Can be set only in certain modes.

5.4.2 Setting the Air Directions

The available air direction settings depend on the indoor unit model. Refer to the table below for the type of air flow directions that are available for the 4-speed and 5-speed models.

Indoor Unit Model	Setting				
4-speed model		N/			
	Mid3	Mid2	Mid1	Horizontal	
	-21				
	Auto	Swing			
5-speed model	N	NO NO	NO NO	MEN I	
	Mid3	Mid2	Mid1	Mid0	Horizontal
	Auto	Swing			

Important

• "Auto" and "Swing" are not available on all models. Before making the interlock settings, make sure that the settings are available on a specific indoor unit.

5.4.3 Setting the Fan Speeds

The available Fan Speed settings depend on the indoor unit model. Refer to the table below for the type of Fan Speeds that are available for different models.

Model		Setting				
Indoor unit	2-speed model	The second secon				
		Mid2	High	Auto		
	3-speed model		-			
		Mid2	Mid1	High	Auto	
	4-speed model	5	-			Â
		Low	Mid2	Mid1	High	Auto
LOSSNAY		The second secon				
		Mid2	High	Auto		

Note

• The Fan Speed displayed on the InterlockConfigTool may be different from the ones displayed on the remote controllers of the air conditioning units.

Example:

Fan Speed display on the remote controller of a 2-speed model indoor unit: "Low/High" Fan Speed display on the InterlockConfigTool: "Mid2/High"

Important

• "Auto" are not available on all models. Make sure the units support the "Auto" function before making the interlock settings.

5.5 Selecting Equipment Types

To select Input and Output units, follow the steps below.

Click "Select Units" on the "Input Category" to select Input Units, and click "Select Units" on the "Output Unit Type" to select the Output Units.



- (2) If "Select from Floor" was selected in step (1) above, select the desired floor from the Floor/Block Selection Pane.If "Select from Block" was selected in step (1) above, select the desired block from the Floor/Block Selection Pane.
- All Group floor 1 2F Unregistered groups in the floors
- (3) Select the desired icons from the equipment icon selection pane. The selection process varies depending on the items selected for the "Input Category" and "Output Unit Type."

When "Input Category" or "Output Unit Type" is set to "Group": Click the desired equipment icon to select it. A frame will appear around the icon.



When "Input Category" is set to "Free Input Points" and "Output Unit Type" is set to "Free Output Points":

Click the icon of the group to which the "Free Input Points/ Free Output Points" to be selected belong.

Check the ON/OFF checkboxes next to the desired "Contact Point No." to select them.

ON/OFF button



* Click "All Set" to select all equipments on the floor or block that was selected in step (2) above. (Applicable only when "Input Category" and "Output Unit Type" are set to "Group") Click "All Reset" to deselect all selected equipments.



Note

• The units that have been registered but not available for selection can be deleted in the following way: (The interlock settings for all selected equipments will be cleared.)

- 1. Select "Select from Floor" from the "Floor/Block View" buttons.
- 2. Select "All Group" from the Floor/Block Selection pane.
- 3. Click "All Reset."
- (4) Repeat steps (1) through (3) above to select other equipments as necessary, and then click "OK" to return to the settings configuration window.

5.6 Confirming the Interlock Settings

To confirm the interlock settings, follow the steps below.

[Operating Procedures]

(1) From the "Interlock control list," click the desired row to confirm its settings.



- (2) Click "Confirm" on the right side of the "Interlock control list," or select "Confirm" from the menu.
- (3) A confirmation screen will appear. When done checking the settings, click "Close" at the right bottom corner.



5.7 Saving the Interlock Control Settings

To save the Interlock control settings being edited, follow the steps below.

[Data Saving Procedures]

- (1) Select "Save" from the Menu.
- (2) On the next screen, name the file, select a destination, and save the settings.

(3) A progress bar will appear to indicate the progress of the data storage process. When the process is complete, the progress bar will disappear.

[Data Import Procedures]

- (1) Select "Open" from the Menu.
- (2) On the screen that appears, select the file that was saved under [Data Saving Procedures] above.

(3) A progress bar will appear to indicate the progress of the data import process. When the progress bar disappears, the previously saved settings will be loaded.



Now	processing. Please wait.	



Now processing. Please wait

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5.8 Exporting the Initial Settings in a CSV File

To export the interlock settings in a CSV file, follow the steps below. The exported CSV file can be opened in spreadsheet software, such as Microsoft[®] Excel.

Note

• If a CSV file is not properly displayed in a spreadsheet software, change the delimiter settings from the Menu. Comma and dot are available for selection in the InterlockConfigTool. (The default delimiter is comma.)

[Operating Procedures]

(1) Select "CSV output" from the "File" menu on the "Interlock control list" screen.



(2) On the next screen, name the file, select a destination, and save the file.

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Removable Dis	ik)					
.			m			
File <u>n</u> ame:	EB-50GU	-AInterlock.	csv			

(3) Open the saved CSV file in a spreadsheet software. (The screen below is a CSV file opened in Microsoft[®] Excel 2007.)

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5.9 Importing the Initial Settings into the EB-50

The data edited with the InterlockConfigTool can be exported and then imported into the EB-50 without the need for data conversion.

[Data Export Procedures]

- (1) If using the USB memory, insert it into the USB port on the computer.
- (2) Select "Export" from the Menu on the "Interlock control list" screen.
- (3) Specify the save destination folder, and then click "Save."

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ファイル名(N): SettingData.dat			-		-
ファイルの種類(I): EB50 Setting Data File (*.dat)					
● フォルダーの非表示				保存(S) キャン	er)

Note

• The exported Initial Settings Data will be saved to as the file name "SettingData.dat".

A progress bar will appear to indicate the progress of the data export process. When the process is complete, the progress bar will disappear.

Now proc	essing. Plea	se wait.	

(4) If using the USB memory, remove it from the USB port. Refer to the instructions manuals for the computers and/or operating systems you use for how to remove the USB memory drive.

Important

 Only import the edited Initial Settings data into the EB-50 from which the original data was exported to the InterlockConfigTool. If the edited data is used to overwrite the data on other EB-50, all data including group information will be overwritten.
 Do not change the names of the files that contain the exported Initial Settings.

- [Procedures for Importing Data into the EB-50]
- (1) Click "Utility" then "Back up/import setting data" from the menu on the EB-50's Initial Setting Web browser to open the Back up/import settings screen.

	Functions 1	Functions 2	Functions 3	User Settinas	Utility	<u>, </u>
Back up/import	settings data					
Rock up	/import cot	tings data	1999 - <u>1999 - 1999</u> - 1999 - 1990 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1990 - 1999 -			
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(2) Click the [Browse...] button to launch the explorer and browse for a file that contains the data to be imported. Select the desired file, and click [Open]. The path to the file to be imported on an external storage media will appear in the [Data import source] field.

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				Copyright(C) 2024-2013 M	ITSUBISHI ELECTRIC CORP.	RATION All Rights Reserved
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(3) Click [Import settings data] to import the data from the external storage media to the EB-50. Note: It will take a few minutes to import the settings data.



(4) When the settings data has been successfully imported, the EB-50 will restart.



6. Error Message List

Message	Explanation and Solution
	Appears when data import has failed.
File import failed.	Export the Initial Settings from the EB-50 again, and try importing the
	file again.
	Appears when an error occurred during data import.
An issue occurred while importing.	There may be cases where data import is possible, but an error
	may occur later while making the settings.
	Appears when imported backup data is damaged.
The imported backup data is incorrect.	Export the Initial Settings from the EB-50 again, and try importing the
	file again.
The Interleak file is demaged	Appears when the temporarily stored file is damaged.
	· *** • • • • • • • • • • • • • • • • •
An issue occurred while opening the file	Appears when an error occurred while loading a temporarily saved
	file. Data may be loaded but the settings may not be set properly.
File import failed.	Appears in the following cases: When the Initial Settings of the EB-50
Reimport the file by taking the following steps:	with no valid license is imported or Steps (2) and (3) under [Operating
1. Save the interlock settings on EB-50 browser.	Procedures: EB-50] in section 5.1 "Exporting the Initial Settings of the
2. Download the Initial Settings file from EB-50.	EB-50" have not been completed.
3. Import the Initial Settings file onto Interlock	If the EB-50 has a valid license, try reimporting the file, following the
Config Tool.	instructions in the message window.
File import failed.	Appears when the version of EB-50 is incompatible with the
Unsupported format version	InterlockConfigTool.
	Appears when a damaged file is found while importing data.
File import failed.	Export the Initial Settings from the EB-50 again, and try importing the
File is damaged.	file again.
File import failed	Appears when some required Interlock control information is missing
Interlock Control Input X does not have a	Export the Initial Settings from the EB-50 again, and try importing the
corresponding file	file again
File import failed	Appears when some required Interlock control information is missing
Interlock Control Output X does not have a	Export the Initial Settings from the EB-50 again, and try importing the
corresponding file	
	Appears when the Initial Settings with no group information are
File import failed	imported
Crown potting doop not exist	Make the group settings vie the ED 50 before importing data into the
Group setting does not exist.	
	InterlockConing root.
	Appears when the initial Settings with no block information are
	Imported or loaded from a temporarily saved file.
Block file does not exist. Information may not be	If no block settings are made on the EB-50, ignore the message.
displayed properly.	If this message appears when the block settings are made, export
	the Initial Settings from the EB-50 again, and try importing the file
	again.
	Appears when the groups or addresses that have not been
	registered to the EB-50 are designated as Input Units or Output
One or more groups or addresses that do not exist	Units.
are designated as input units or output units.	Having non-registered groups and addresses in the settings file can
	cause problems. Correct the interlock settings from the settings
	configuration window.
The setting contains non-existing groups or	If one or more groups or addresses that have not been registered to
addresses that are designated as input units or	EB-50 are designated as Input Units or Output Units, the Initial
output units. Correct the settings before exporting	Settings cannot be exported.
the data.	Correct the interlock settings before exporting the settings.

Message	Explanation and Solution
The setting contains mismatch kind that are designated as input units or output units. Interlock No.:X,X,X	 Appears when importing data or when opening a saved file if the following conditions are met: The DIDO controller's (DC) group is designated as an Output Units whose "Allow Operation" setting is set to "No operation." DIDO controller (DC) is selected as an Input Unit when the "Input Category" is set to "Group (Mode)." These types of interlock operation may not work properly. Edit the settings from the settings configuration window, if any.
No more interlocks can be created.	If the maximum number of settings has already been made, no more settings can be created. Delete unnecessary interlock settings before creating new ones.
Unable to insert a new step, because you have settings in the last step.	No more rows can be inserted if interlock settings for row #150 have been made. Move the settings for row #150 to another row, and try inserting a row again.
Delete the existing input units when changing the input category.	Input Category settings cannot be changed if Input Units are already selected. Delete all Input Units before changing the settings for the Input Category.
Delete the existing output units when changing the output unit type.	Output Unit Type settings cannot be changed if Output Units are already selected. Delete all Output Units before changing the settings for the Output Unit Type.
Some of the settings are incomplete.	 Appears when an attempt is made to save the settings without having made the settings for one or more of the following settings. Input Category Input State (Both settings if there are two types to be set) Input Units Output Unit Type Interlock Operation (At least one of the items) Output Units Make the settings for all items above, and try saving the settings again.

MEMO

MITSUBISHI ELECTRIC CORPORATION

HEAD OFFICE: TOKYO BLDG., 2-7-3, MARUNOUCHI, CHIYODA-KU, TOKYO 100-8310, JAPAN Authorized representative in EU: MITSUBISHI ELECTRIC EUROPE B.V. HARMAN HOUSE, 1 GEORGE STREET, UXBRIDGE, MIDDLESEX UB8 1QQ, U.K.