

Air Conditioning Control System Centralized Controller AE-200A/AE-50A/EW-50A AE-200E/AE-50E/EW-50E

CE

Instruction Book

-Web Browser for Remote Monitoring User-

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Before using the controller, please read this Instruction Book carefully to ensure proper operation. Retain this manual for future reference.

1. Introduction

This Instruction Book explains how to monitor the units connected to the AE-200/AE-50/EW-50 using a Web browser.

To use the functions described in this manual, registration of the license for "Data Storage for Maintenance" (optional function) is required. (Refer to chapter 3 for details.)

For initial settings and function settings, refer to the Instruction Book (Web Browser for Initial Settings).

1-1. Terms Used in This Manual

- "Centralized Controller AE-200A/AE-200E" is referred to as "AE-200."
- "Centralized Controller AE-50A/AE-50E" is referred to as "AE-50."
- "Centralized Controller EW-50A/EW-50E" is referred to as "EW-50."
- Screen images used in this manual are from Windows 7[®] and Internet Explorer 9.0.
 - Note: Windows is a registered trademark or trademark of Microsoft Corporation in the United States and other countries.

1-2. PC Requirements

Table 1-1 PC Requirement	nts
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Item	Requirement
CPU	1 GHz or faster
Memory	512 MB or more
Screen resolution	1024 x 768 or higher recommended
Browser	Microsoft [®] Internet Explorer 8.0 Microsoft [®] Internet Explorer 9.0 Microsoft [®] Internet Explorer 10.0 Microsoft [®] Internet Explorer 11.0 * Java execution environment is required. (Oracle [®] Java Plug-in Ver. 1.8.0_60) * Install Oracle [®] Java Plug-in that is appropriate for your operating system. When using a 64-bit Internet Explorer, install a 64-bit Java Plug-in. * The version of the Oracle [®] Java Plug-in can be verified by clicking [Java] in the Control Panel.
On-board LAN port or LAN card	100 BASE-TX
Pointing device	e.g., mouse

Note: Microsoft is a registered trademark or trademark of Microsoft Corporation in the United States and/or other countries. Oracle and Java are trademarks or registered trademarks of Oracle Inc. in the United States and/or other countries.

2. Setting the Operating Environment

This chapter explains how to make PC settings and Web browser settings to monitor the air conditioning units.

2-1. Setting the IP Address of the PC

Follow the instructions below to set the PC's IP address for the Web browser to recognize the AE-200 unit. The PC's IP address must have the same network address as the AE-200/AE-50's IP address.

(i.e., AE-200's IP address: [192.168.1.1], PC's IP address: [192.168.1.101])

When connecting an AE-200/AE-50/EW-50 to an existing LAN, consult the system administrator to decide the IP addresses.

- Note: When using an AE-200/AE-50/EW-50-dedicated LAN, it is recommended that the AE-200 unit be assigned an IP address between the range [192.168.1.1] and [192.168.1.40], the AE-50/EW-50 unit be assigned an IP address between the range [192.168.1.211] and [192.168.1.249], and that the PC connected to the AE-200/AE-50/EW-50 be assigned an IP address between the range [192.168.1.101] and [192.168.1.150].
- (1) Click [Control Panel] in the Start menu.



🔋 Local Area Connecti	on Status	X
General		
Connection		
IPv4 Connectivity:		No Internet access
IPv6 Connectivity:		No network access
Media State:		Enabled
Duration:		00:41:47
Speed:		100.0 Mbps
Details		
Activity		
	Sent —	Received
Bytes:	28,418	1,084,650
Properties) <u>D</u> isable	Diagnose



(2) Click [Network and Sharing Center]>[Local Area Setting]. In the [Local Area Connection Status] window, click [Properties].

(3) Click [Internet Protocol Version 4 (TCP/IPv4)] to select it, and click [Properties].

(4) In the [Internet Protocol Version 4 (TCP/IPv4) Properties] window, check the radio button next to [Use the following IP address]. Enter the PC's IP address (e.g., [192.168.1.101]) in the [IP address] field, and enter the subnet mask [255.255.255.0] (unless otherwise specified) in the [Subnet mask] field. In the [Default gateway] field, enter the gateway address as necessary.

Note: Consult the system administrator to decide the IP, subnet mask, and gateway addresses.

(5) Keep clicking [OK] or [Close] to close all windows.

ternet Protocol Version 4 (TCP/IPv4) Properties
General	
You can get IP settings assigned auto this capability. Otherwise, you need for the appropriate IP settings.	
Obtain an IP address automatica	ally
Output Description of the second s	
IP address:	192.168.1.101
Subnet mask:	255 . 255 . 255 . 0
Default gateway:	
Obtain DNS server address auto	omatically
• Use the following DNS server ad	Idresses:
Preferred DNS server:	
Alternate DNS server:	• • •
🔲 Validate settings upon exit	Ad <u>v</u> anced
	OK Cancel

2-2. Setting the Web Browser

Web browser setting varies with the Internet connection type. See the sections below for how to make Web browser settings for different types of Internet connection.

To prevent unauthorized access, always use a security device such as a VPN router when connecting the AE-200/AE-50/EW-50 to the Internet.

2-2-1. No Internet connection

To monitor and operate the air conditioning units from a PC with no Internet connection, follow the instructions below to set the environment for the Web browser.

(1) Click [Tools] in the menu bar, then click [Internet options].

- (2) In the [Internet Options] window, click the [Connections] tab.
- (3) Check the radio button next to [Never dial a connection] in the middle of the window, and click [OK] to close the window.



Internet Options	8 X
General Security Privacy Content Connections	Programs Advanced
To set up an Internet connection, click Setup.	Setup
Dial-up and Virtual Private Network settings	
😂 Dial-up Connection	A <u>d</u> d
	Add V <u>P</u> N
	Remove
Choose Settings if you need to configure a proxy server for a connection.	Settings
Never dial a <u>c</u> onnection	
Dial whenever a network connection is not pres	ent
Always dial my default connection	
Current None	Set default
Local Area Network (LAN) settings	
LAN Settings do not apply to dial-up connections. Choose Settings above for dial-up settings.	LAN settings
ОК С	ancel Apply

2-2-2. Dial-up Internet connection

To monitor and operate the air conditioning units from a PC that connects to the Internet through a dial-up connection, follow the instructions below to set the environment for the Web browser.

(1) Click [Tools] in the menu bar, then click [Internet options].

- (2) In the [Internet Options] window, click the [Connections] tab.
- (3) Check the radio button next to [Dial whenever a network connection is not present] in the middle of the window, and click [OK] to close the window.

By making these settings, a message will appear asking whether or not to use a dial-up connection when an Internet connection is necessary. Follow the message to connect to the Internet.

2-2-3. Connecting to the Internet via proxy server using an existing LAN

To monitor and operate the air conditioning units from a PC that connects to the Internet through a proxy server by connecting to an existing LAN, such as a LAN within your company, follow the instructions below to set the environment for the Web browser.

(1) Click [Tools] in the menu bar, then click [Internet options].





nance.html

Ctrl+Shift+P

Ctrl+J

Delete browsing hist InPrivate Browsing Tracking Protection

ActiveX Filtering Diagnose connection pr Reopen last browsing se Add site to Start menu

Pop-up Blocker SmartScreen Filte

Contraction (192.168.1.11/en/

Internet Expl

What you can t Diagnose Co

G More inf

View Favorites Tools Help

- (2) In the [Internet Options] window, click the [Connections] tab.
- (3) Check the radio button next to [Never dial a connection] in the middle of the window.
- (4) Click [LAN settings] under [Local Area Network (LAN) settings].

(5) In the [Local Area Network (LAN) Settings] window, check [Bypass proxy server for local addresses], and click [Advanced].

(6) In the [Proxy Settings] window, enter the AE-200/AE-50/EW-50's IP address (e.g., 192.168.1.1) in the [Exceptions] field. Then, keep clicking [OK] or [Close] to close all windows.

If connecting multiple AE-200/AE-50/EW-50 units, enter their addresses (e.g., [192.168.1.1; 192.168.1.2]). It is also possible to use an asterisk as a wildcard (e.g., [192.168.1.*]).

ernet Options	? ×
General Security Privacy Content Connections	Programs Advanced
To set up an Internet connection, click Setup.	Setup
Dial-up and Virtual Private Network settings	
Dial-up Connection	A <u>d</u> d
	Add VPN
	Remove
Choose Settings if you need to configure a proxy server for a connection.	Settings
Never dial a connection	
Dial whenever a network connection is not president of the president of	ent
Always dial my default connection	
Current None	Set default
Local Area Network (LAN) settings	
LAN Settings do not apply to dial-up connections. Choose Settings above for dial-up settings.	LAN settings
ОК Са	ancel Apply
cal Area Network (LAN) Settings	×
Automatic configuration	
Automatic configuration may override manual set use of manual settings, disable automatic configu	
Automatically detect settings	
Use automatic configuration script	

	figuration figuration may over	rride man	ual settini	ns. To ensure the
	settings, disable a			
<u>A</u> utomatica	lly detect settings			
Use autom	atic configuration §	cript		
Address				
roxy server				
Use a pro <u>x</u> dial-up or V	y server for your L PN connections).	AN (These	e settings	will not apply to
	192, 168, 1, 254	Port:	8080	Advanced
Address:				marrangea
	proxy server for lo	-	sses	Harangea
	proxy server for lo	-	sses	

oxy Sett				
Jervers .	Туре	Proxy address to use		Port
-	HTTP:	192.168.1.254	:	8080
	Secure:	192.168.1.254	:	8080
	ETP:	192.168.1.254	:	8080
	Socks:		:	
		e same proxy server for all protoc	ols	
Exception		e proxy server for addresses begi	nning with	
¥.	192.168	1.1		* *
	Use semic	olons (;) to separate entries.		
		ОК		Cancel

3. Logging in to the Web Browser for Remote Monitoring User

- (1) Enter the web page address in the address field of the Web browser as follows: http:// [IP address of each AE-200/AE-50/EW-50]/en/maintenance.html Press the [Enter] key. A login screen will appear.
 - Note: If the IP address of the AE-200/AE-50/EW-50 is [192.168.1.1], the web page address is [http://192.168.1.1/en/maintenance. html].
 - Note: Default IP address of AE-200/AE-50/EW-50 is [192.168.1.1]. When one or more AE-50/EW-50 controllers are connected, none of their IP addresses should overlap. The recommended IP address ranges are as follows. AE-200: Between [192.168.1.1] and [192.168.1.40] AE-50/EW-50: Between [192.168.1.211] and [192.168.1.249]
 - Note: Log in to the AE-200/AE-50/EW-50 Web browser respectively to monitor the units that are under the control of AE-200/AE-50/EW-50. The Web browser cannot be switched between the AE-200/AE-50/EW-50.
 - Note: If the login screen does not appear then take the steps below to delete the temporary files.
 - <Internet Explorer>
 - 1. Click [Tools] in the menu bar, then click [Internet options].
 - 2. On the [General] tab, click [Delete] in the middle of the window.
 - In the [Delete Browsing History] window, click [Delete].
 Java>
 - 1. Click [Control Panel] from the Start menu.
 - 2. Click the [Java] icon to launch the Java Control Panel.
 - 3. On the [General] tab, click [Settings] in the [Temporary Internet Files] section.
 - 4. Click [Delete Files].
 - 5. In the [Delete Files and Applications] window, click [OK].

Note: This web page can only be displayed in English.

Note: You can add the web page address to your Favorites for easy access in the future.

(2) Enter the user name and the password in the login screen, and click [Login]. A setting screen will appear. The table below shows the default user name, password, and functions that are available for remote monitoring users.

User	Default user name	Default password	Available functions	
Remote			Maintenance	Operation Data Display Operation Data Acquisition Mode
monitoring user	remotemonitor	rm + Serial No. *1	Malfunction Log	Unit Error
			User Settings	User Settings

Note: It is recommended to change the default user name and password so that the users other than the remote monitoring users will not be able to change the settings.

*1 If the Serial No. is "15A13-701," the default password is "rm15A13701."

		*
Login Page		Begistration of Optional Exactions
	Type your user name and passwor	a.
	User name Password	
	Login	

(HTTPS connection) AE-200/AE-50/EW-50 can encrypt communication data using HTTPS (SSL).

When connecting the AE-200/AE-50/EW-50 to the LAN that is accessible to the general public, it is recommended that the following settings be made so that the units are monitored and controlled on the encrypted web page.

Encrypting the communication data and logging in to the Web browser

Note: Depending on the operating system or the Java version, HTTPS encrypted communication may not be enabled properly. If this happens, use an HTTP connection as explained in the previous page.

(1) Prefix the web address with [https], enter the rest of the address, and press the [Enter] key.

https://[IP Address of each AE-200/AE-50/EW-50]/en/maintenance.html

Note: If the IP address of the AE-200/AE-50/EW-50 is [192.168.1.1], the web page address is [https://192.168.1.1/en/maintenance.html].

The encrypted data communication will begin, and the Login screen will appear.

If a security certificate error page appears instead of the Login screen, go to step (2) below.

(2) If the security certificate is invalid, a security certificate error page (as shown at right) will appear.

Click [Continue to this website (not recommended)].

C C C C C C C C C C C C C C C C C C C	A. 504	I METSURGHE Air Candidione X	9
			*
Login Page		Registration of Optional Functions	
	Type your user name and password.		
	User name		
	Password		
1	Login		
1			

Van Jacobs Tools Help	
There is a problem with this website's security certificate.	
The security certificate createrised by this velocite was not issued by a trusted certificate authority.	
The security certificate presented by this website was issued for a different website's address.	
Security certificate problems may indicate an attempt to fool you or intercept any data you send to the server.	
We recommend that you close this webpage and do not continue to this website.	
Click here In done this wellpage.	
Continue to this velocite (not recommended).	
May information	

		*
Login Page		Expisitation of Optional Functions
	Type your user name and password.	
	Password	
	Login	

(3) If the connection is successfully made, the Login screen will appear. Note: Although the address bar will turn red and a message "Certificate error" will appear, you can still access the Web browser. ____ https://192.168.1.1/e

🔎 👻 🔇 Certificate error 🗟 🖒 🗙

4. Maintenance

4-1. Operation Data Display

This screen displays the operation data that is acquired from the connected units by the AE-200/AE-50/EW-50 at regular intervals. Click [Maintenance] in the menu bar, and then click [Operation Data Display] to access the Operation Data Display screen.

- Note: To display the operation data on this screen, the settings for "Operation Data Acquisition Mode" need to be set. Make the settings according to the instructions detailed in section 4-2.
- Note: The operation data displayed on this screen will vary, depending on the unit model. Refer to the Service Handbook that came with the unit.



Item	Description		
Address	Select the address of the unit to display its operation data.		
Start date/time	Enter the start date/time for the time period for which operation data will be displayed.		
End time	Enter the end time for the time period for which operation data will be displayed. Note: Up to 24 hours worth of data can be displayed at once. If the start time is after the end time, the start time and end time will be regarded as the other way around, and the operation data between the end time and the start time for the specified date will be displayed.		
Update	Click to display the latest operation data of the selected unit.		
Display start time data	Click to display the operation data of the selected unit at the specified start time. Note: If the Operation Data Acquisition Mode is set to [Normal], data for odd minutes will not be displayed. (See section 4-2.)		
Display operation data	Click to display the operation data of the selected unit in a specified time range. Note: Regardless of the Operation Data Acquisition Mode setting, operation data will be displayed at 2-minute intervals. (See section 4-2.) Note: If 40 or more indoor units are connected, data acquisition interval may be stretched by multiples of two minutes.		
Data display field	Operation data of the selected unit will be displayed in this field.		
Export as CSV	Click to export the operation data that are displayed in the Data display field in the CSV file format. Only the operation data that are displayed when [Display operation data] is clicked can be exported. (An empty CSV file will be output for the operation data that are displayed when [Update] or [Display start time data] is clicked.)		

(1) To display the latest operation data

Click [Update] to display the latest operation data of the unit with the specified address.

- Note: Regardless of the start/end times that have been specified, the latest data will be displayed.
- Note: The units of measure for the temperature and pressure selected in the initial setting will appear below the data names. ([--] will appear for other types of data.) This is also true for items (2) and (3) below.



(2) To display the start time data

Click [Display start time data] to display the operation data of the selected unit at the specified start time.

Note: If the Operation Data Acquisition Mode is set to [Normal], data for odd minutes will not be displayed.

C S Attp://192.168.1.1/en/maintenance.ht	ml Q+BCX	MITSUBISHI Air Conditione ×	
Elle Edit View Favorites Tools Help			
Maintenance	Malfunction Log	User Setting	
Operation Data Display	Ope	ation Data Acquisition Mode	
Operation Data Display			
Address 76 Month 02 Address 72 Year 2014		art time data Display operation data	3
Date and Time: 2013/05/19/13/54	Hour III T Minute be		
63HS TH11 TH12 TH5 TH6 TH7 THH3' (P60) (°C) (°C) (°C) (°C) (°C) (°C) (°C) 362.7 114.3 111.6 -7.0 40.9 25.4 40.	(PS0 (°C) (°C) () (1 64.0 43.2 -11.5 287.0	dc Ti-HHS5 DEMAND SNOW NIGHT) (C) () () () 34.7 49.2 OFF OFF OFF	
	OJC OJH Save(%) F(Hz) F11 () () () () () 0 0 100 0		
	52F SV4b SV4c SV4d Iu () () () () () 0 0 0 0 0.0	Iw FAN-Ver () 0.0 2.01	
Export as CSV			
		Copyright(C) 2002-2013 MITSUBISHI E	LECTRIC CORPORATION All Rights Reserved
			۹ 100% -

(3) To display the operation data of the selected unit in a specified time range

Click [Display operation data] to display the operation data of the selected unit in a specified time range. This data will be displayed at a minimum of 2-minute intervals.

Click [Export as CSV] at the lower left corner of the screen to export the acquired operation data to a CSV file.

- Note: Regardless of the Operation Data Acquisition Mode setting, operation data will be displayed at 2-minute intervals.
- Note: Depending on the number of units that have been selected, the data display interval may be longer than 2 minutes.

laintenance Operation I		man	Inction Log	ation Data Acqui	<u>User Setti</u>	195	
	on Data D	ienlav	- <u>opc</u>				
ddress 76	•	Upda 2014 🖨 Hour 1		art time data	Display operation		
Name (Unit)	63HS (PSI)	TH11 (°C)	TH12 (°C)	TH5 (*C)	TH6 (*C)	<u> </u>	
2014/02/22 11:56	364.1	114.4	111.4	-7.0	40.7	<u>^</u>	
2014/02/22 11:56	365.5	114.3	111.6	-7.2	40.7	1	
2014/02/22 11:58	364.1	114.3	111.6	-7.0	40.7		
2014/02/22 12:00	364.1	114.4	111.6	-7.0	40.5		
2014/02/22 12:02	364.1	114.3	111.4	-7.2	40.7		
2014/02/22 12:04	362.7	114.3	111.4	-7.2	40.5	-	
eport as CSV					Þ		

4-2. Operation Data Acquisition Mode

This screen allows the user to activate or deactivate the Operation Data Acquisition function, and to select between the two data acquisition modes with different minimum interval settings for the AE-200/AE-50/EW-50 to collect operation data from the connected units.

Click [Maintenance] in the menu bar, and then click [Operation Data Acquisition Mode] to access the Operation Mode Acquisition Mode screen.

The default setting for this function is set to deactivate (OFF), and all the unit addresses on the screen appear with a black background.

- Note: This function enables the user to collect data for outdoor units, indoor units, BC controllers, and Air To Water (PWFY) units.
- Note: The [Short Interval] mode is for use by Mitsubishi Electric Corporation to conduct research. Overseas sales office users should select [Normal] mode.



Item		Description			
	OFF	Use this mode to deactivate the Operation Data Acquisition function.			
Acquisition	Normal	Use this mode to acquire the operation data of the units selected in the Address selection field at a minimum data acquisition interval of 2 minutes. Note: If 40 or more indoor units are connected, data acquisition interval may be stretched by multiples of two minutes.			
Mode	Short Interval	Use this mode to acquire the operation data of the units selected in the Address selection field at a minimum data acquisition interval of 1 minute. Note: If 10 or more indoor units are selected, data acquisition interval may be stretched by 1-minute increments. Deselecting some units will decrease the data acquisition interval. Note: The [Short Interval] mode is for use by Mitsubishi Electric Corporation to conduct research. Overseas sales office users should select [Normal] mode.			
Re-search		Click to update all information in the address selection field with the most recent informatio			
Address selection field		Select the addresses of the units to acquire the operation data. The backgrounds for the selected units will appear in green, and for the deselected units will appear in gray. The backgrounds for the units that are not connected to AE-200/AE-50/EW-50, and for the units that do not support this function will appear in black Click an address to select it, and click again to deselect.			
Deselect All		Click to deselect 50 units on one of the two tables at once. Note: Units 1-50 are on one table, and 51-100 are on the other table.			
Select All		Click to select 50 units on one of the two tables at once. Note: Units 1-50 are on one table, and 51-100 are on the other table.			

4-2-1. Procedures for making the settings to use this function for the first time

- (1) To activate the Operation Data Acquisition function, select [Normal], and then click [Save Settings]. AE-200/AE-50/EW-50 will start acquiring model information of the connected units.
- (2) About ten minutes later, click [Refresh]. The addresses of the units that support the Operation Data Acquisition function will appear with a gray background.
- (3) Select the addresses of the units whose operation data are to be collected. The selected addresses will be highlighted in green.

If you select the wrong address, click the selected address again to deselect. Once the address is deselected, the background will appear in gray.

Click [Save Settings] to collect the operation data of the selected units.

4-2-2. Procedures for changing the settings for this function

(1) Backgrounds for the addresses whose operation data are being collected will appear in green, for the addresses whose data are not being collected will appear in gray, and for the addresses not registered to AE-200/AE-50/EW-50 will appear in black.

The currently selected acquisition mode will appear selected in the Acquisition Mode field. ([Normal] should be selected by the overseas sales office users.)

(2) Select the addresses of the units whose operation data are to be collected. The selected addresses will be highlighted in green.

If you select the wrong address, click the selected address again to deselect. Once the address is deselected, the background will appear in gray.

Click [Save Settings] to collect the operation data of the selected units.

5. Malfunction Log

5-1. Unit Error

Click [Malfunction Log] in the menu bar to display the last 64 unit errors

	Maintenance Malfunction Log User Settings 🙏 🖬	Clear Log
	Unit Error Uddate [Manual] OClear Log	
Update —	Image: Time Occurred Address (blecktion) Error Code Time Recovered Pre-error data 1 05/21/2014 06.58:31 049 0410 Display ************************************	Error Code List
Click to show the most recent error log.	2 05/21/2014 06:49:23 049 (049) 0110 05/21/2014 06:58:30 Display	Click to display the list of error codes and their
	3 05/21/2014 06:44:16 049 (049) 0110 05/21/2014 06:58:30 Display 4 _05/21/2014 05:47:11 049 (049) 0110 05/21/2014 06:58:30 Display	definitions.
Error occurrence date and — time	5 05/21/2014 05:45:07 202 (202) 0101 05/21/2014 06:58:30 Display	
	6 05/21/2014 0543.49 001 001 5001 05/21/2014 05.45.06 Display 7 05/21/2014 05.38.22 202 (202) 0101 05/21/2014 05.45.06 Display	Display
Error source unit address —	8 05/21/2014 05:36:44 001 (001) 5001 05/21/2014 05:38:21 Display	Click to display pre-error data.
Error detection unit address	Copyright(c) 2003-2913 MITSUBISH ELECTIBIC CORPORATION AN Rights	
		Error code

Item	Description				
Update	Click to show the most recent error log. When [Auto] is selected, the error log is updated automatically every minute.				
Clear Log	Click to clear the error log.				
Error Code List	Click to display the list of error codes and their definitions.				
Error occurrence date and time	The date and time when the error occurred will appear.				
Error source unit address	The address of the unit in error will appear.				
Error detection unit address	The address of the unit that detected the error will appear.				
Error code	The error code that corresponds to the error will appear.				
Error recovery date and time	The date and time when the error was resolved will appear.				
Display	Click to display pre-error data for the two hours before the occurrence of each unit error. Note: Pre-error data will be displayed only when the given unit has been selected on the [Operation Data Acquisition Mode] screen.				

6. User Settings

6-1. User Settings

On the [User Settings] screen, the remote monitoring user name and password can be changed. Click [User Settings] in the menu bar to access the User Settings screen.



 To change the remote monitoring user name or password, type new information in the [User name], [New Password], and [Retype Password] fields. Note: User name must contain only alphanumeric characters.

Note: User name and password are case-sensitive.

(2) Click [Save Settings] to send the settings to the AE-200/AE-50/EW-50.

This product is designed and intended for use in the residential, commercial and light-industrial environment.

The product at hand is based on the following EU regulations:

- Low Voltage Directive 2006/95/EC
- Electromagnetic Compatibility Directive 2004/108/EC
- Restriction of Hazardous Substances 2011/65/EU

Please be sure to put the contact address/telephone number on this manual before handing it to the customer.

MITSUBISHI ELECTRIC CORPORATION

HEAD OFFICE: TOKYO BLDG., 2-7-3, MARUNOUCHI, CHIYODA-KU, TOKYO 100-8310, JAPAN