



Thermo Fisher Scientific

ACCESS CONTROL SYSTEM

Instruction Manual

50106314-2

September 2010

© 2010 Thermo Fisher Scientific Inc. All rights reserved.

WX is either a registered trademark or a trademark of Thermo Fisher Scientific.

Microsoft, Microsoft Excel, Windows, Windows XP, and Windows Vista are registered trademarks of Microsoft Corporation in the United States and/or other countries.

All other trademarks are the property of Thermo Fisher Scientific Inc. and its subsidiaries.

Thermo Fisher Scientific
Robert-Bosch-Straße 1
D - 63505 Langenselbold
Germany

Thermo Fisher Scientific Inc. provides this document to its customers with a product purchase to use in the product operation. This document is copyright protected and any reproduction of the whole or any part of this document is strictly prohibited, except with the written authorization of Thermo Fisher Scientific Inc.

The contents of this document are subject to change without notice. All technical information in this document is for reference purposes only. System configurations and specifications in this document supersede all previous information received by the purchaser.

Thermo Fisher Scientific Inc. makes no representations that this document is complete, accurate or error-free and assumes no responsibility and will not be liable for any errors, omissions, damage or loss that might result from any use of this document, even if the information in the document is followed properly.

This document is not part of any sales contract between Thermo Fisher Scientific Inc. and a purchaser. This document shall in no way govern or modify any Terms and Conditions of Sale, which Terms and Conditions of Sale shall govern all conflicting information between the two documents.

Release history: 50106314-2 printed in September 2010.

For Research Use Only. Not for use in diagnostic procedures.

Table of Contents

Chapter 1	Setup of the program of the WX LOG MANAGEMENT SYSTEM	1-1
	Summary	1-2
Chapter 2	How to operate (for system administrators)	2-1
	When using the access control for the first time	2-2
	Registration of new users by the system administrator (including change or deletion of registered users).....	2-4
	Printout function	2-4
	Initialization (deletion) of user lists	2-5
Chapter 3	How to operate (for registered users)	3-1
	When using the centrifuge	3-2
	Programmed operation	3-2

Setup of the program of the WX LOG MANAGEMENT SYSTEM

Contents

- “Setup of the program of the WX LOG MANAGEMENT SYSTEM” on page 1-2

Summary

This access control is used to limit the users of the centrifuge. The users are required to log on to the centrifuge by inputting the ID code and the password on the initial screen to operate the centrifuge.

Before using the access control, carefully read through both this instruction manual and the instruction manual of the centrifuge. This system discriminates between the system administrators and the registered users. Up to 3 system administrators and up to 37 users can be registered.

The system administrators are permitted to:

1. register, change, and delete the registered users
2. refer to the ID codes and passwords of the system administrators and the registered users on the user list screen, and
3. utilize the printout function by means of the optional printer.

The registered users are:

1. permitted to log on to the centrifuge by inputting an ID code and a password in the specified boxes on the initial screen to operate the centrifuge, but
2. not permitted to refer to the user list screen nor to utilize the printout function.

Both the system administrators and the registered users can turn off the centrifuge power or log off the centrifuge while the vacuum pump is turned off or the rotor is stopping after operation. The display turns to the initial screen of the access control when the centrifuge is logged off

How to operate (for system administrators)

Contents

- “When using the access control for the first time” on page 2-2
- “Registration of new users by the system administrator (including change or deletion of registered users)” on page 2-4
- “Printout function” on page 2-4
- “Initialization (deletion) of user lists” on page 2-5

2 How to operate (for system administrators)

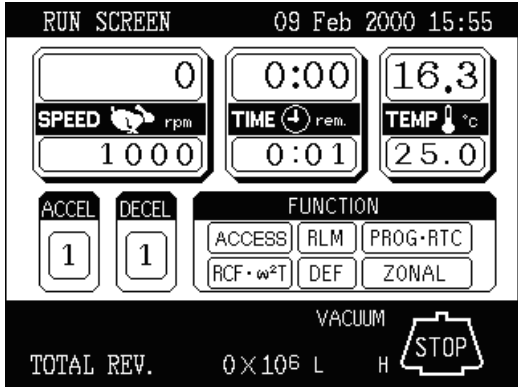
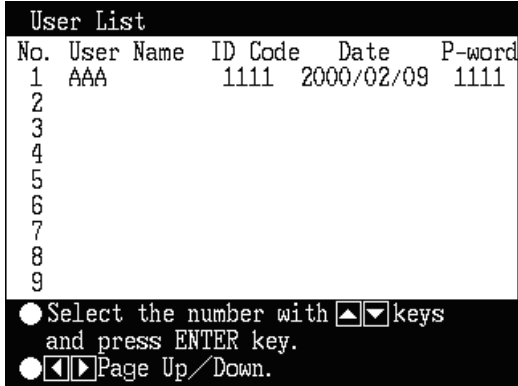
When using the access control for the first time



CAUTION Keep your password secret from others.

When using the access control for the first time

The system administrators should log on to the access control according to the following procedure. When installing the optionally available access control to your centrifuge, the user lists stored in your centrifuge must be deleted. In such cases, delete the user lists according to "2-4. Initialization (deletion) of user lists" then perform the following operation.

No.	Operation	Key strokes and screen display
1	Turn on the main power switch. Then the access control starts and the initial screen is displayed.	
2	Input "1111" as an ID code.	1 1 1 1 ENTER
3	Input "1111" as a password. Then the RUN screen is displayed as shown in the right figure.	1 1 1 1 ENTER 
4	Open the MENU screen and select "User List". "AAA" is temporarily registered as a user name.	MENU 2 ENTER 

Note Numbers 1 through 3 are assigned to the system administrators, and numbers 4 and later are assigned to the registered users.

2 How to operate (for system administrators)

When using the access control for the first time

No.	Operation	Key strokes and screen display
-----	-----------	--------------------------------

- 5 Put the cursor on the No. 1 and press the **ENTER** key.

User List				
No.	User Name	ID Code	Date	P-word
1	AAA	1111	2000/02/09	1111
2				
3				
4				
5				
6				
7				
8				
9				

● Enter the desired item.
1:Creating 2:Changing
3:Deleting

- 6 Change the user name, ID code and password to those of the system administrator to be registered according to the prompts displayed on the screen. If necessary, register another system administrator or user. Refer to the instruction manual of the centrifuge "2-8-2 User List" for the registration procedure. The right figure shows an example.

User List				
No.	User Name	ID Code	Date	P-word
1	Johnson	1234	2000/02/09	1234
2	C. Lee	2345	2000/02/09	2345
3	Paul	3456	2000/02/09	3456
4	Mary	4567	2000/02/09	4567
5	Michael	5678	2000/02/09	5678
6	Williams	9999	2000/02/09	9999
7				
8				
9				

● Select the number with \uparrow / \downarrow keys and press **ENTER** key.
● \leftarrow / \rightarrow Page Up/Down.

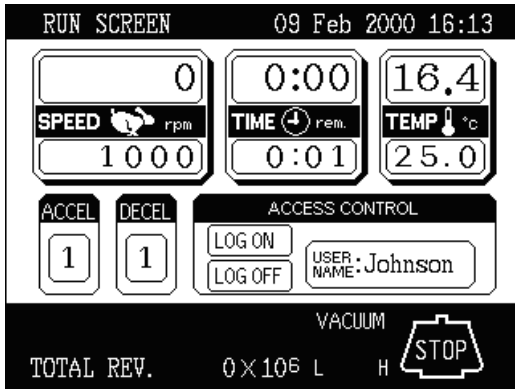
Note Do not use the same ID code for registration of different users.

- 7 Press the **ESC** key. The display returns to the RUN screen.

RUN SCREEN		09 Feb 2000 15:55	
SPEED \rightarrow rpm	0	TIME \downarrow rem.	0:00
1000		0:01	16.3
ACCEL	DECEL	FUNCTION	
1	1	ACCESS	RLM
		RCF $\cdot \omega^2 T$	DEF
		PROG-RTC	ZONAL
TOTAL REV.		VACUUM	STOP
0 $\times 10^6$ L H			

2 How to operate (for system administrators)

Registration of new users by the system administrator (including change or deletion of registered users)

No.	Operation	Key strokes and screen display
8	Put the cursor on the "ACCESS" in the FUNCTION box and press the ENTER key. Then the registered name is displayed on the USER NAME box.	 <p>The screenshot shows the 'RUN SCREEN' interface. At the top right, the date and time are '09 Feb 2000 16:13'. The screen is divided into several sections: 'SPEED' (0 rpm), 'TIME' (0:00 rem.), and 'TEMP' (16.4 °C). Below these are 'ACCEL' and 'DECEL' buttons, both set to '1'. The 'ACCESS CONTROL' section contains 'LOG ON' and 'LOG OFF' buttons, and a 'USER NAME: Johnson' field. At the bottom, there is a 'TOTAL REV.' field showing '0 x 10^6 L H' and a 'STOP' button.</p>
9	Log off the access control. Turn off the centrifuge power or put the cursor on the "LOG OFF" and press the ENTER key.	

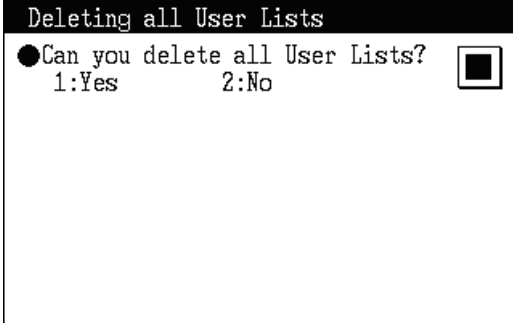
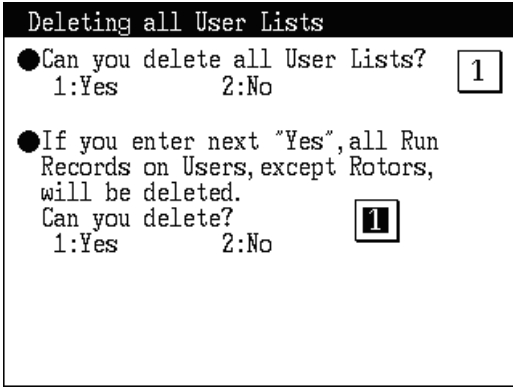
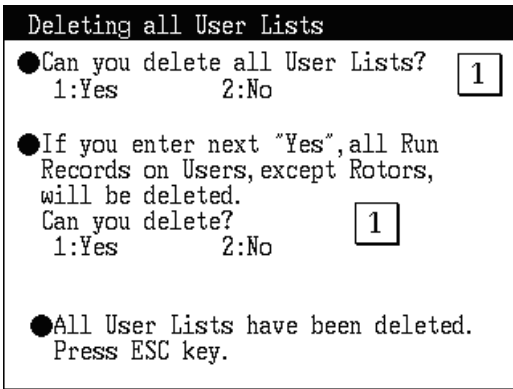
Registration of new users by the system administrator (including change or deletion of registered users)

Log on to the access control with the system administrator's own ID code and password. Perform registration, change or deletion of the users on the User List screen according to the procedure specified in section 2-1.

Printout function

The printout function is available by means of the optional printer in a like manner as the standard centrifuge. However, use of the printout function is limited to the system administrators by the access control. Refer to the instruction manual of the centrifuge "2-9. Print Utilities" for details. Connect the printer to the centrifuge referring to the instruction manual of the printer.

Initialization (deletion) of user lists

No.	Operation	Key strokes and screen display
1	Turn on the main power switch. Press the keys as follows when the initial screen of the access control is displayed. MENU 2 0 7 2 HOLD The screen shown in the right figure is then displayed.	<p>MENU 2 0 7 2 HOLD</p> 
2	Select "1: Yes". Then the screen shown in the right figure is displayed. If you do not want to delete, select "2: No".	<p>1 ENTER</p> 
3	<p>By selecting "1: Yes", the screen shown in the right figure is displayed and the following data is deleted.</p> <ol style="list-style-type: none"> 1. Machine log 2. Rotor log 3. User log 4. Machine management 5. Print program 6. Centrifuge scheduler 7. Run result 	<p>1 ENTER</p> 
4	<p>After initialization, following data is recorded at the No. 1 of the user list. ID code: 1111 Password: 1111 User name: AAA</p> <p>Refer to "2-1. When using the access control system for the first time" for the next time use.</p>	

How to operate (for registered users)

Contents

- “When using the centrifuge” on page 3-2
- “Programmed operation” on page 3-2

3 How to operate (for registered users)

When using the centrifuge



CAUTION Keep your password secret from others.

When using the centrifuge

No.	Operation	Key strokes and screen display
1	Input the registered user's own ID code and password. (Example) ID code: 9999 Password: 9999	9 9 9 9 ENTER 9 9 9 9 ENTER
2	The screen shown in the right figure is then displayed. <u>The centrifuge becomes operable when this screen is displayed.</u>	
3	Put the cursor on the "ACCESS" in the FUNCTION box and press the ENTER key. Then the name of the user who is logging on is displayed. <u>Without doing this operation, the centrifuge is operable when the screen shown in the above step 2 is displayed.</u>	

Programmed operation

The centrifuge equipped with the access control differs from the standard centrifuge in the following points.

1. The user name used for logging on is automatically registered.
2. The run conditions stored (registered) in the centrifuge cannot be changed or deleted unless the user who logged on is the user who stored the run conditions.
3. You can refer to the stored (registered) run conditions even if the user name is different. In addition, you can operate the centrifuge using the run conditions stored by other users.

