Central Controller Operation & Installation Manual

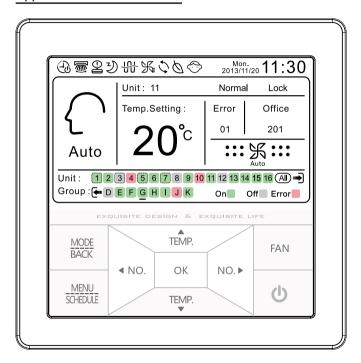
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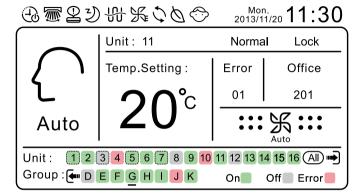
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- · Please read this operation manual before using the air conditioner.
- · Please keep this manual carefully and safely.

Appearance



Main interface display



Key descriptions

MODE BACK	Mode/ESC key. Press this key for mode shift in the main interface and press this key to back to upper interface in other interfaces.
MENU SCHEDULE	Menu key. Press this key when in main interface to enter menu interface. The SCHEDULE below this key is for indication of valid of weekly timer setting.
TEMP.	When ECO function is set, the adjustment range
◀ NO. NO.▶	Unit No. Adjustment Key. It is used for adjustment of unit or group unit No. it functions as unit or group unit adjustment key in the main and unit & group selection interface, the circulation being: unit→group→ALL→unit. Press this key for 3 seconds, it will accelerate the frequency as 2 times/s. It functions as cursor adjustment key in other interfaces.

OK	OK key
FAN	Fan key. Press the key to adjust fan speed. The circulation is: : : : : : : : : : : : : : : : : : :
	ON/OFF key. In the main interface, short pressing of this key is for changing of ON/OFF state of the unit or group (smallest unit) unit that cursor stays. For example: if the smallest unit in the group is in ON state, after short pressing, all units in this group will change to OFF state. After pressing the ON/OFF key for 5s, if the unit or smallest unit of a group that the cursor stays is in ON state, all online units and groups will change to OFF, and vice versa. For example: if the smallest unit in the group that cursor currently stays is in OFF state, after pressing of ON/OFF key for 5 seconds, all units and groups online will change to ON state.

Main interface icon descriptions

⊕	Weekly timer. When weekly timer function is set for the units or groups online, it will show on the main interface.
	Swing (reserved)
	Error. When there is malfunction happens to units or smallest unit of groups online, it will show on the main interface.
<u>z</u>)	Sleep (reserved)
#	Electrical heating (reserved)
K	Turbo (reserved)
0	Heat reclaim (reserved)
Ø	Health (reserved)
\bigcirc	Child lock

Mon. 2013/11/20 11	30	Date (YY/MM/DD), time, week displaying area.		
Auto	Mode of unit or smallest unit of group that cursor currently stays.			
Unit: 11	Unit or o	group that cursor currently		
Filter	Filter (re	eserved)		
Normal/HRV	To display the unit or smallest unit of group that cursor currently stays is normal indoor or heat reclaim ventilation, which is only valid for part of models.			
LIFO/Central/	Lock	To display the unit or group the cursor currently stays is LIFO, central or lock state.		
Temp.Setting:	To display the set temperature of unit or smallest unit of group that cursor stays, or to display the ambient temperature by basic setting.			

Error	To displa	To display ON/OFF state or error of unit or group						
01	that curso	that cursor stays, error displays priority.						
Office 201	Naming display. To display the name of the unit or group that the cursor stays. if the length exceeds display area, the exceeding part will show as •••. If no naming, it will display unit/group as Unit1/ GroupA.							
Au	Fan speed display.							
Unit: 123		Online unit display and gridline indicating HRV. When cursor moves to ALL, it means all online units selected is valid for simultaneous control. If units online are more than 16, move cursor to ALL and then press RIGHT key to enter the next page. After entering the next page, the arrow is on the left side of online units, press LEFT key to arrow to enter previous page. Note: HRV display can only be seen when HRV unit is online.						

Group display. When units included are HRV, they will be shown in gridline and page turning is the same as unit operation.

Group: To E

Note: when HRV is included in the group and if linkage function is set, it will follow the rule if only one normal indoor is set ON, HRV will also be ON. If all normal indoor units in group is set OFF, HRV will be OFF state.

Initialization

After powering on reset, the interface will display:



After progress bar is finished, the initialization will be completed and enter main interface, the ON/OFF state of online units and groups will be shown on the unit and group area.

Function instructions

1. Mode circulation:

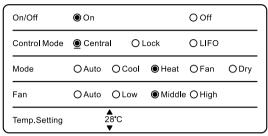
Note: when cursor is in the group area, the interface will show the smallest unit state of group, and it will adjust the smallest unit mode in mode adjustment state. There is no interface between HRV and normal indoor units in the group.

2. Full control function:

When cursor flashes under ALL which is under online unit display area. Press OK key to enter full control interface.

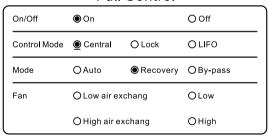
(1) When normal indoor units and HRV online are controlled together, it will show smallest indoor unit state after entering full control function. If the smallest indoor unit is normal indoor, the full control interface will show as follow.

Full Control



(2) If the smallest indoor unit is HRV, it will show smallest HRV state after entering full control interface.

Full Control



After entering the interface, press UP/DOWN/LEFT/RIGHT key to move the cursor and press OK key to confirm. Note: HRV is only valid for part of models.

3. Unit control function:

When cursor is flashing on any online unit in the main interface, press OK to enter control interface of this unit. Press UP/DOWN/LEFT/RIGHT key to move the cursor and press OK key to confirm.

Unit Control

Unit 1	Name : Office The region : [Type : Normal Model Ambient Temp.: 23°C
10°C Heating	<pre>On</pre>		Off
Control Mode	<u> ●</u> Central	O Lock	OLIFO
Filter	⊚ On		O Off
Breeze/Super	⊚ On		O Off

Note: the functions in grey are reserved functions.

4. Group control function:

When cursor is flashing on any online group in the main interface, press OK to enter control interface of this group and press UP/DOWN/LEFT/RIGHT key to move the cursor and press OK key to confirm.

Group Control

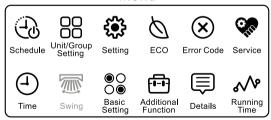
Group A	Name : Office 102					
Unit Included :	11 12 13 14 15 16 17 18					
10°C Heating	⊚ On		Ooff			
Control Mode	Central	O Lock	O LIFO			
Breeze/Super	⊚ On		Ooff			
HRV Linkage	⊚ On		Off			

Note: the functions in grey are reserved functions.

5. Weekly timer:

Press MENU key in the main interface to enter menu interface.

Menu

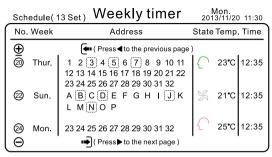


(1) When Schedule icon is flashing, press OK key to enter weekly timer configuration interface. The cursor flashing on ⊕, press OK key to enter the following set interface.

Unit	13		S	ch	e	du	le S	etti	ng	Mon 2013/11	/20 1	1:30
Catego	ory	Α	ddre	ss			Temp.	Mode	On/O	ff Time	We	eek
Unit	17 1	2 3 0 10 11 0 18 19 0 26 27	All O 4 5 12 11 0 0 20 20 20 28 21 0 0 0 0	1 22 0 () 9 30	Ö	Õ	23 °C ▼	Auto Cool • Heat O Fan O Dry	On Off	12:35 V V 12:35 V V	Mon O	Tue. Thu Sat. Sun
		С	a <u>n</u> ce	el					(Ok		

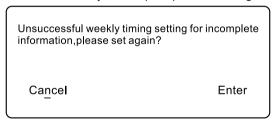
(figure 1)

Select according to requirement the Category, Address, Temperature, Mode, ON/OFF, Time, Week, and after finishing setting, move cursor to Ok, and press OK key to complete the weekly timer setting. When adjusting temperature and time, press OK key and cursor will statically display, and then press UP/DOWN key to adjust value. After finishing adjustment, press LEFT/RIGHT key to move cursor to other position or press OK key again to resume flashing of cursor. The interface display is as follows (it can be set by setting select as week index or unit/group index, the default is week index.)



(figure 2)

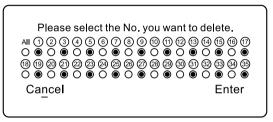
If configuration information is not set completely, press OK key at the ok that cursor stays, it will prompt the following window:



The cursor stays default at Cancel, if move cursor to Enter and press OK key, it will return to figure 1 to complete the unfinished information. If press OK key when cursor stays at Cancel, the weekly setting will be cancelled and return to figure 2.

(2) When moving cursor to

and then press OK key to enter the following interface, select the weekly timer that needs to be cancelled, when cursor moves to Enter, press OK key to cancel the weekly timer setting.



- (3) Move cursor to any set weekly timer No. and then press OK key to modify the weekly timer information.
- (4) When there is repeated or conflicted weekly timer setting between new and old weekly timer setting, press OK key and it will show pop window and it can be modified and confirmed again, as figure 3.

This Timing has been set, please revise relevant parameters.

Cancel Enter

(figure 3)

6. Unit/Group setting:

In menu interface, press UP/DOWN/LEFT/RIGHT key for adjustment. When unit/group setting icon flashes, press OK key to enter and cursor will flash at the smallest unit No.. Press OK key, the cursor will stop flashing and jump to first key of keyboard, inverse displaying. Press UP/DOWN/LEFT/ RIGHT key to move cursor and press OK key to select key of keyboard and confirm.

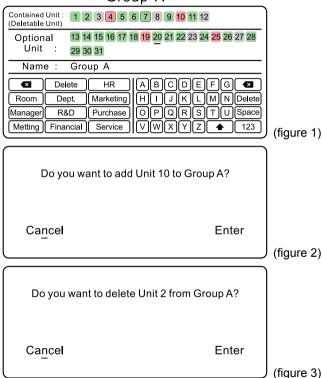
Unit name and Group setting

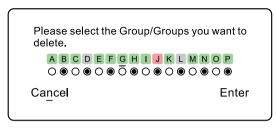


Press UP/DOWN/LEFT/RIGHT key to move cursor to the included area \oplus and press OK key to enter group setting interface (the group is automatically named as A to Z in sequence.) as figure 1. The cursor will be at the smallest selectable unit, press UP/DOWN/LEFT/RIGHT key to move cursor and press OK key to show pop window as figure 2. If part of online unit is included in the current group, press UP/DOWN/LEFT/RIGHT key to move cursor to the unit that needs to be cancelled, and then press OK key to show pop window as figure 3.

Press UP/DOWN/LEFT/RIGHT key to move cursor to the included area ⊖ and press OK key to show pop window as figure 4, Press UP/DOWN/LEFT/RIGHT key to move cursor to the group that needs to be deleted, and then press OK key to confirm.

Group A





(figure 4)

If it is needed to name the current group, press UP/DOWN/ LEFT/RIGHT key to move to keyboard. When first entering the keyboard, cursor will be at , press UP/DOWN/LEFT/ RIGHT key to adjust and press OK key to confirm.

7. Local setting:

In the Menu interface, press UP/DOWN/LEFT/RIGHT key to adjust, and when setting icon flashes, press OK key to enter figure below. Press UP/DOWN/LEFT/RIGHT key to move cursor and press OK key to confirm. Default Screen Timeout is 15s, default Brightness is 60%, default Schedule Index is Week and default Place is set as Home.

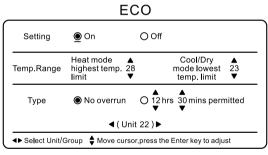
Setting

Screen Timeout	○15 s ○30 s	● 1 min ○ 3 mins○ Cancel
Brightness	○30% ●50%	6 060% 080%
Schedule Index	Week	○ Unit/Group
Place	○ Mall ○ Hotel	Office Home

8. ECO function:

- (1) In menu interface, press UP/DOWN/LEFT/RIGHT key to adjust, when ECO icon flashes, press OK key to enter and the initial password is 841226. The interface will show as figure below after entering, and press UP/DOWN key to move cursor and LEFT/RIGHT key to adjust unit/group, then press OK key to confirm.
- (2) ECO function is default set as OFF. The default maximum temperature is 26°C in heating and the default minimum temperature is 23°C in cooling/dry mode. It is default set as no exceeding of limit.

- (3) Temperature, time value adjustment: when cursor flashes at the value, press OK key to stop the flashing and press UP/ DOWN key to adjust the temperature or time value then press OK key again to confirm and resume the flashing of cursor, pressing UP/DOWN key to move cursor.
- (4) After setting ECO function to any group, all normal indoor units of the group are limited of set temperature and HRV remains the previous state (HRV is only valid for part of models).



9. Error code

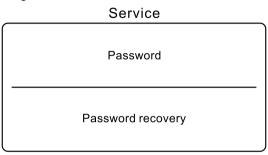
In menu interface, press UP/DOWN/LEFT/RIGHT key to adjust. When error code icon flashes, press OK key to enter as figure below.

The current error can only display 1 piece while historic error can display 10 pieces. Press UP/DOWN key to turn page for checking and LEFT/RIGHT key to adjust unit/group to display current online unit or smallest unit in group current and historic error.

Error Code Current Error Frror Code: 013 20/12/2013 11:20 Error Code: 013 20/12/2013 11:20 Error Code: 013 20/12/2013 11:20 Error History Error Code: 013 20/12/2013 11:20 Error Code: 013 20/12/2013 11:20 **◄**(Unit 1)▶ ◆ Select Unit/Group ♣ Move cursor to inquiry error history

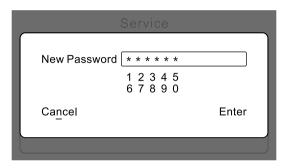
10. Service setting:

In menu interface, press UP/DOWN/RIGHT/LEFT key to move the cursor to service setting icon and then press OK key to enter as figure below.



Press UP/DOWN key to select password and password recovery. When cursor flashes in the password position, press Enter key to confirm and enter password interface.

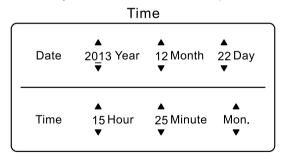
Service	
Old Password * * * * * * * * * * * * * * * * * * *	
Cancel	Enter



Press UP/DOWN/LEFT/RIGHT key to change between number and Enter/Cancel. When cursor flashes on the number position, press OK to enter corresponding number. After entering 6 digits password, press OK key to confirm or move cursor to enter or cancel position for confirm or cancel.

11. Time setting:

In menu interface, press UP/DOWN/LEFT/RIGHT key to adjust. When clock icon flashes, press OK key to enter as figure below, and press UP/DOWN/LEFT/RIGHT key to move cursor, when cursor flashes, press OK to confirm and the cursor will stop flashing. Press UP/DOWN key to adjust the value and press OK key again to confirm and the cursor will resume flashing and Press UP/DOWN/LEFT/RIGHT key to move cursor. After finishing adjusting value, press directly of LEFT/RIGHT key to move the cursor to other position.



12. Swing setting is reserved function.

13. Basic setting function:

- (1) In menu interface, press UP/DOWN/LEFT/RIGHT key to adjust, when basic setting icon flashes, press OK key and input initial password 841226 to enter the interface as figure 1. Press UP/DOWN/LEFT/RIGHT key to move cursor and press OK to confirm.
- (2) Default model setting is self-adaption, default language is English and ambient temperature display is OFF.
- (3) After set ambient temperature display as ON, the interface display will change from "temperature setting" to "ambient temperature display". The ambient value is the unit or smallest unit of group that cursor stays. When pressing UP/DOWN key to adjust set temperature, the main interface will first statically display temp. setting string and set temperature value, and then display statically ambient temperature value and ambient temperature display string after 3s. When pressing LEFT/RIGHT key to shift online unit or group and pressing MODE key to shift mode. It will first statically display temp. setting string and set temperature value, and then display statically ambient temperature value and ambient temperature display string after 3s.

Basic Setting

Model	O MRV	<u> </u> Unitary/Multi	O Self-adaption
Language	O Chinese	English	() Italian
Ambient Temp.Display		On	O Off

(figure 1)

(4) After changing model selection, it will show pop window of needing reboot as figure 2

Please reboot your syste changing!	erm to accept model
Ca <u>n</u> cel	Enter

(figure 2)

(5) After changing language, it will show pop window of needing reboot as figure 3.

Please reboot your systerm to accept language changing!

Cancel Enter

(figure 3)

14. Additional function:

In menu interface, press UP/DOWN/LEFT/RIGHT key to adjust. When additional function icon flashes, press OK key to enter as figure below. Press UP/DOWN key to move the cursor and the functions in grey are reserved functions. After setting child lock function, all keys are invalid and it will return to main interface when setting. After setting child lock function, press together LEFT and RIGHT keys for 5s to cancel. The child lock function can be set by the above procedure if it is not set.

Addition

Health	O On	Off
Turbo	O On	Off
Quiet	O On	Off
Child lock	O On	● Off
Ventilation	O On	Off
Fliter	O On	Off
	◄ (Unit 22) ▶	
Adjust Unit/Gro	up 🛊 Move cursor	

Note: the functions in grey are reserved functions.

15. Detailed information:

In menu interface, press UP/DOWN/LEFT/RIGHT key to adjust. When details icon flashes, press OK key to enter as figure below. Press LEFT / RIGHT key to adjust unit/group and check detailed information of online unit or smallest unit of group.

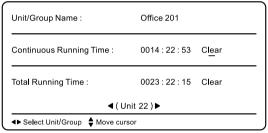
Details

Gas Pipe Temp.: 23°C	
	Indoor Unit Type : HRV
Liquid Pipe Temp.: 23°C	PMV: 240
Indoor Unit Error: 22	Control Mode : Central
Outdoor Unit Error: 28	Address: 07
∢ (Uı	nit 22) ▶

16. Running time:

In menu interface, press UP/DOWN/LEFT/RIGHT key to adjust. When running time icon flashes, press OK key to enter as figure below. When cursor is flashing at Clear, press OK key to clear continuous running time/total running time and recalculate the time.

Running Time



Central Controller Wiring Connection

