

CENTRAL CONTROLLER H3

User and installation
manual

SMART ZONE



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User Notice

- All indoor units must be powered uniformly.
- Never place the wired control under direct sunlight or damp circumstances (like a laundry) and the wired controller shall be in accordance with national wiring regulations.
- Provided that the air conditioner is installed where it would be affected by electromagnetic interference, the signal line and communication line must be shielded twist pairs.
- The wired controller is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the wired controller by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the wired controller.
- Make sure the communication line is connected with the proper port; otherwise it would cause a communication error.
- Never knock on, throw, or frequently detach the wired controller.
- Never operate the wired controller with wet hands.

1.General Introduction

This smart zone controller is intended for multi VRF units and duct type units, capable of controlling up to 3 sets of multi VRF units and multi sets of duct type units with maximum 16 indoor units.

Through this smart zone controller, it is available to view and control those running parameters of the indoor unit, including on/off, running mode, fan speed etc, and also perform the single control and centralized control, further, it also can set the weekly timer and long-distance shielding to realize convenient control to the air conditioning system.

- a. Single control: it is intended to control the running parameters of a designated indoor unit individually.
- b. Centralized control: it is intended to control the running parameters of all indoor units at the same time.
- c. Shielding under single or centralized control: it is intended to shield the running parameter of the indoor unit.
- d. Weekly timer under single or centralized control: it is intended to set when to start/stop the unit through long-distance control.
- e. Clock: it is intended to set and display the weekday, hour and minute.

When some error occurs, the error symbol and the error code will be displayed to warn a quick maintenance.

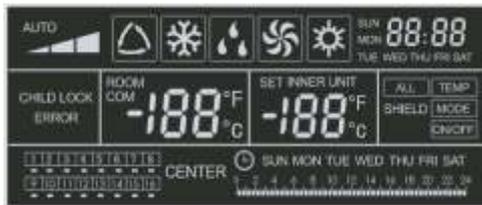


Fig.1 Outline of the LCD

2. LCD



Fig.2.2 Introduction to Symbols on the LCD

Table 2.1 Introduction to the Symbols on the LCD

No.	Name	Description
1	Fan speed	It displays the fan speed of the indoor unit, high, medium, low and auto.
2	Running mode	It displays the running mode of the indoor unit, auto, cool, dry, fan and heat.
3	System clock	It displays the current time (hour and minute) in 24-hour time system and also the week day.
4	Shield	It displays the shielded status, “ALL”, “TEMP”, “MODE” and “ON/OFF”.
5	Weekly timer	It displays the timing period (unit: 0.5 hour) which will circulate every week.
6	Set temperature/ Indoor unit code	It displays the set temperature, indoor unit code (01-16), and symbols of Celsius and Fahrenheit scale.
7	Control mode	It displays “CENTER” under the centralized control mode and no display under the single control mode.
8	Ambient temperature/ Serial port	It displays the ambient temperature, serial port as well as symbols of Celsius and Fahrenheit scale.
9	Indoor unit code/ on/off status	Numbers indicate the indoor unit codes which will be displayed when the corresponding indoor unit is online; “□” indicates the on/off status of the indoor unit, that is, when it is bright, it means the unit is “On”; when it is gone out, it means the unit is “Off”.
10	Error , Child lock	It displays the error codes when some error(s) arises and also “CHILD LOCK” when this function is activated.

3. Buttons

3.1 Outline of Buttons

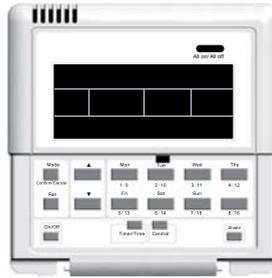


Fig.3.1 Outline of Buttons

3.2 Introduction to the Function of Buttons

Table 3.1 Functions of Buttons

No.	Name	Function Description
1	Mode	It is used for the switchover among different modes.
2	Fan	It is used to set the fan speed, high, medium, low or auto.
3	On/Off	It is used to set the on/off status of the indoor unit.
4	▲	1. Under the single/centralized control status:It is used to set the running temperature of the indoor unit with max.30°C and min.16°C ; 2. Under the timing setting status:It is used to set the timing period with max.24 hours and min.0 hour; 3. Under the clock setting status: it is used to set the hour (max.:23, min.: 0) and minute (max.:59, min.: 0) of the clock.
5	▼	
6	Mon 1/9	
7	Tue 2/10	It is used for the switchover between unit 2 and unit 10; Under the timing or clock setting status, it indicates Tuesday.
8	Wed 3/11	It is used for the switchover between unit 3 and unit 11; Under the timing or clock setting status, it indicates Wednesday.
9	Thu 4/12	It is used for the switchover between unit 4 and unit 12; Under the timing or clock setting status, it indicates Thursday.
10	Fri 5/13	It is used for the switchover between unit 5 and unit 13; Under the timing or clock setting status, it indicates Friday.
11	Sat 6/14	It is used for the switchover between unit 6 and unit 14; Under the timing or clock setting status, it indicates Saturday.
12	Sun 7/15	It is used for the switchover between unit 7 and unit 15; Under the timing or clock setting status, it indicates Sunday.
13	8/16	It is used for the switchover between unit 8 and unit 16.
14	Timer/Time	It is used to set the timing or on/off time of the selected indoor unit as well as to set the clock of the system.
15	Central	It is used for the switchover between single and centralized control modes.
16	Shield	It is used to deactivate some or all functions of a single or a group the indoor unit(s).
17	All on/All off	It is used to start/stop all indoor units.

4. Control Flow Chart

See the following figure for the control flow chart of the smart zone controller

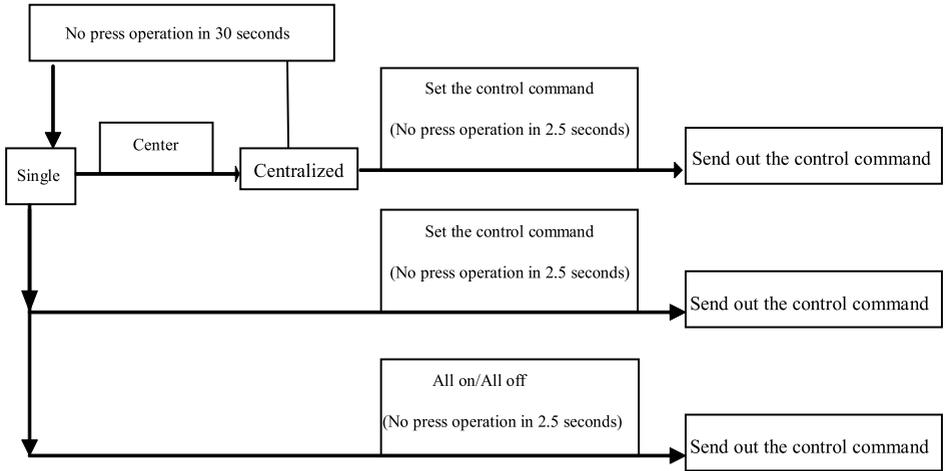


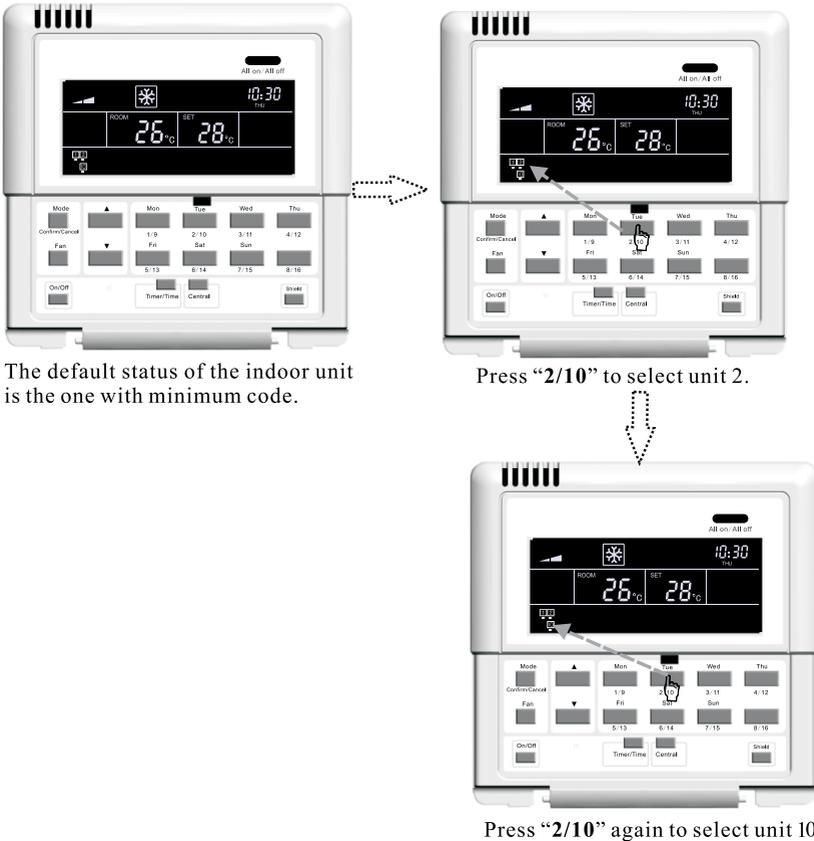
Fig. 4.1 Control Flow Chart of the Smart Zone Controller

5. Viewing of the Running Status of the Indoor Unit and Control Mode

5.1 Viewing of the Running Status of the Indoor Unit

It can be seen generally on the LCD that the minimum code of the online indoor unit flashes, with its running status, set temperature, and shield status etc. displayed. However, it can be replaced by other expected indoor unit through pressing the corresponding indoor unit code button (If the expected indoor unit is offline, then this operation is null and void with “no” displayed.).

See Fig.5.1 for how to view the running status of the indoor unit:



The default status of the indoor unit is the one with minimum code.

Press “2/10” to select unit 2.

Press “2/10” again to select unit 10.

Fig.5.1 Viewing of the Running Status of the Indoor Unit

5.2 Control Mode

5.2.1 Single Control

Select the expected indoor unit through the indoor unit code button and then the code on the LCD will flash.

Set the running status of the indoor unit and send out control commands, including On/Off, Mode, Fan, ▲ / ▼, and Shield etc. Without any change to the setting in 2.5 seconds, the control commands will be sent out.

Fourteen seconds (thirty seconds for the duct type unit) later after the control command is sent out, the set parameters of the indoor unit will be displayed.

See Fig. 5.2 for the temperature control under the single control:

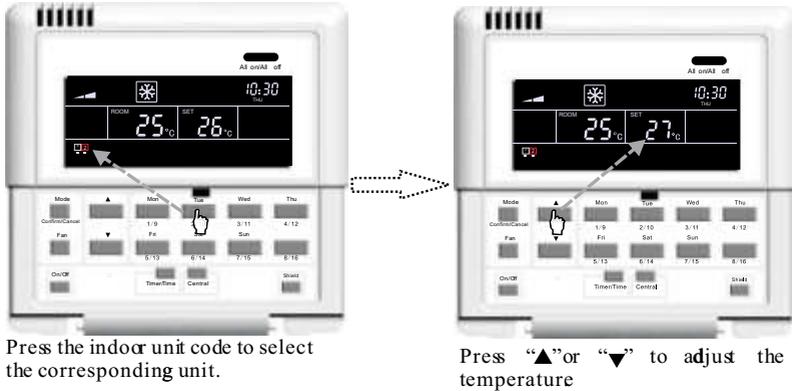


Fig. 5.2 Temperature Control under the Single Control

For other settings, please refer to the following sections.

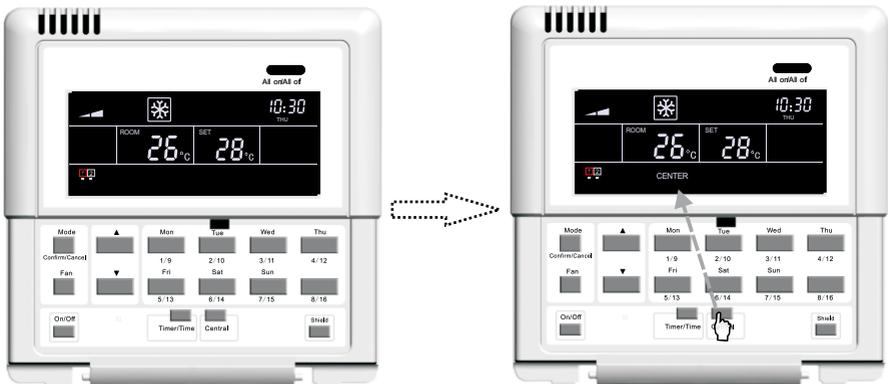
5.2.2 Centralized Control

Press “**Central**” to go to the centralized control mode with “**CENTER**” displayed on the LCD.

Set the running status of the indoor unit and send out control commands, including On/Off, Mode, Fan, ▲ / ▼, and Shield etc. Without any change to the setting in 2.5 seconds, the control commands will be sent out to all online indoor units.

Thirty seconds later after the control command is sent out or by pressing “**Central**”, then the “**CENTER**” on the LCD disappears and it will back to the single control mode with the set parameters of the current indoor unit displayed.

See Fig.5.3 for how to go to the centralized control mode:

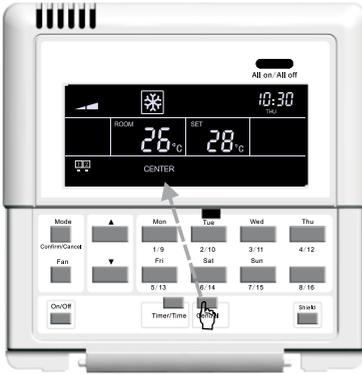


The default status of the indoor unit is the one with minimum code.

Press “**Central**” to go to the centralized control mode.

Fig. 5.3 How to Go to the Centralized Control Mode

See Fig. 5.4 for the centralized control to the temperature:



Press “Central” to go to the centralized control mode.



Press “▲” or “▼” to adjust the temperature.



Quit this setting status automatically 30 seconds later or by pressing “Central” again.

Fig.5.4 Centralized Temperature Control

For other settings, please refer to the following sections.

5.2.3 All on/All off

In any case, the current indoor unit which is on/off will be turned off/on by pressing “ ” with “CENTER” displayed in the LCD and 2.5 seconds later the control command based on the settings of the current indoor unit will be sent out to all online indoor units (Including: On/Off, Mode, Fan ▲ / ▼, and Shield).

5.3 Control Setting

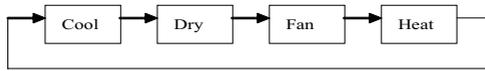
5.3.1 On/Off

The unit will be turned on/off by pressing “On/Off” whenever it is under the single or centralized control. And the control command will be sent out if the setting does not change in 2.5 seconds.

Note: As for the VRF system, on condition that an error occurs to the indoor unit or modes conflicts, whatever the control command is on or off, the indoor unit of the VRF system will back to the off state.

5.3.2 Mode

Under the on state of the unit, whenever it is in single or centralized control, the running mode will change circularly as the following sequence by pressing “Mode”.



See Fig.5.5 for how to set the running mode:



Fig.5.5 Running Mode Setting

If the duct type indoor unit is under the “Auto” mode, and then it is available to view it through the smart zone controller.

5.3.3 ▲/▼

Apart from timing and time setting, under the on state of the unit, whenever it is in the single or centralized control, it is enabled to:

Press “▲” to increase the set temperature.

Press “▼” to decrease the set temperature.

The temperature will increase or decrease 1°C every 300 milliseconds by pressing “▲” or “▼”.

Temperature range under each mode: 16°C~ 30°C /61F ~ 86°F

See Fig.5.6 for how to adjust the temperature:



Fig.5.6 Temperature Adjustment

5.3.4 Fan

Under the on state of the unit, whenever it is in single or centralized control, the fan speed will change circularly as the following sequence by pressing “Fan”.

See Fig.5.7 for how to set the fan speed:

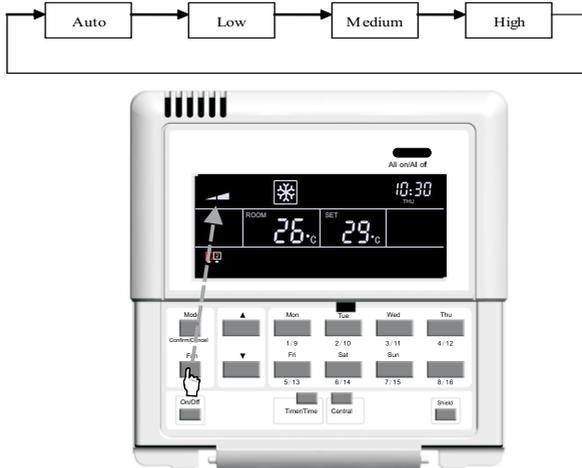


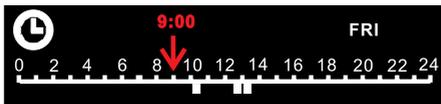
Fig. 5.7 Fan Speed Control

5.3.5 Timer

Timer, namely weekly timer, taking one week as a cycle, is enabled to set the on/off time (taking 0.5 hour as the unit) of the unit on some day or days in one week and several time periods at the same day and then keep this setting circulating weekly.

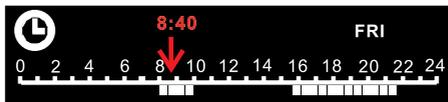
Introduction to the weekly timer:

a. Once the weekly timer is set, the unit will automatically be turned on/off as the set time starts/ends. For instance, on condition that the current time is 9:00 Friday and the setting of the timer is shown as the figure below, then the unit will be turned on at 10:00 and turned off at 10:30 and then again be turned on at 12:30 and off at 13:30.



b. The weekly timer does not conflict with the manual on/off control, that is, the unit can be turned on/off manually even if the weekly timer is set and the unit also can be turned on/off as the setting of the weekly timer.

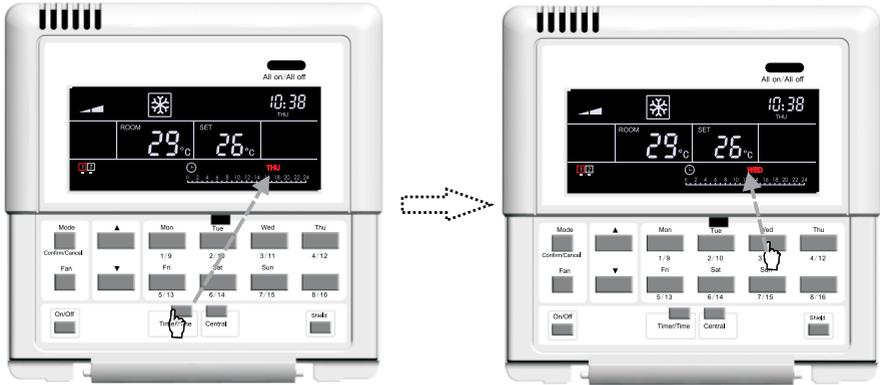
For instance, on condition that the weekly timer is set as the figure below from 8:00 to 10:00 and from 15:30 to 21:30, the current time is 8:40 Friday and the unit is turned off manually, then the unit will be automatically turned on at 15:30 and later turned off at 21:30.



5.3.5.1 How to Set the Weekly Timer under the Single Control

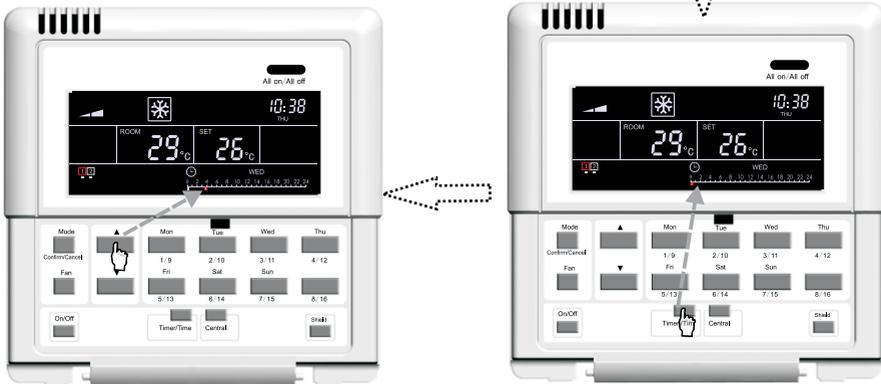
It is available to go to the weekly timer setting page by pressing “**Timer/Time**” under the single control mode, with “*” flashing (“*” indicates MON, TUE, WED, THU, FRI, SAT, or SUN), and then press the week day button to set the week day. After that, press “**Timer/Time**” to set the exact time and press “▲” or “▼” to adjust the time period, and finally press “**Confirm/Cancel**” to confirm this setting (without this press, the setting will not be saved). In the same way, several time periods in one day can be set. After the setting is finished, please press “**Timer/Time**” to quit or it will be done automatically 30 seconds later.

See Fig. 5.8 for how to set the weekly timer under the single control:



Under the single control mode, press “**Timer/Time**” to go to the timer setting status.

Press the button of the week day to select the expected week day.



Press “▲” or “▼” to adjust the time period .

Press “**Timer/Time**” again to go to the timer setting page .

(continued)



Press “**Confirm/Cancel**” to confirm/cancel the setting.



Quit this setting status automatically 30 seconds later or by pressing “**Timer/Time**”.

Fig.5.8 How to Set the Weekly Timer under the Single Control

5.3.5.2 How to Cancel the Weekly Timer under the Single Control

It is available to go to the weekly timing setting page by pressing “**Timer/Time**” under the single control mode, with “*”flashing (“*” indicates MON, TUE, WED, THU, FRI, SAT, or SUN), and then press “**Confirm/Cancel**” to cancel the timing (i.e. the set timing period on this day), next, press the week day button to go to the canceling status, after that, press “**Confirm/Cancel**” to cancel the setting on this day.

After the cancellation, it will back to the weekly timer setting page, and then it will quit this page automatically 30 seconds later or by pressing “**Timer/Time**” twice (first press for entering the settings status and the second for quitting the setting status).

See Fig.5.9 for how to cancel the weekly timer under the single control:



Under the single control status, press “**Timer/Time**” to go to the timer setting page.



Press the button of the week day to select the expected day.



(continued)

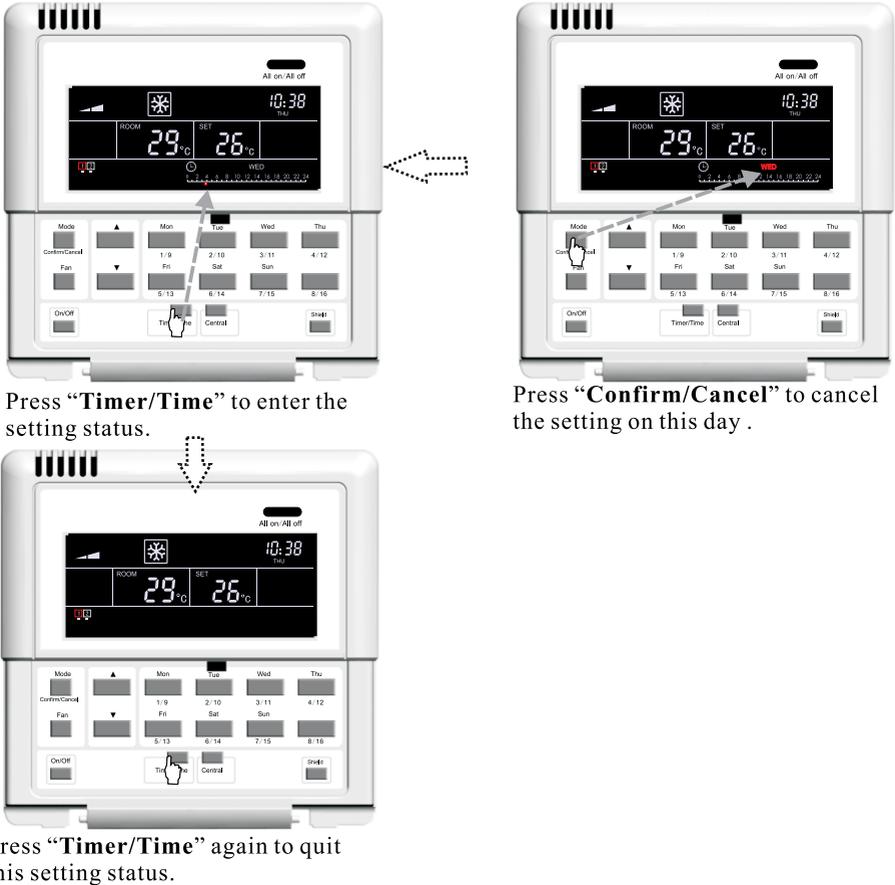


Fig.5.9 How to Cancel the Weekly Timer under the Single Control

5.3.5.3 How to Set the Weekly Timer under the Centralized Control

It is available to go to the weekly timing setting page by pressing “Timer/Time” under the single control mode , with “*” flashing (“*” indicates MON, TUE, WED, THU, FRI, SAT, or SUN), and then press “ Central” with “CENTER” displayed on the LCD which indicates it is the right time to set the weekly timer under the centralized control; after that, press the weekly day button to choose the expected day, press “Timer/Time” to set the exact time and press “▲” or “▼” to adjust the time period, and finally press “Confirm/Cancel” to end this setting (without this press, the setting will not be saved). This setting means this day is timed for all indoor units. Besides, several time periods can be set on one day in the same day stated above.

After the setting, it can quit the timer setting status automatically 30 seconds later or by pressing “Timer/Time”.

See Fig. 5.10 for how to set the weekly timer under the centralized control:



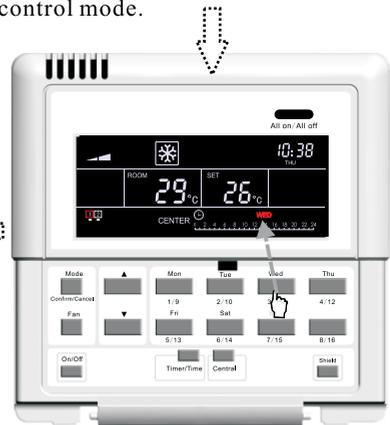
Under the single control status, press **“Timer/Time”** to go to the timing setting page.



Press **“Central”** to go to the centralized control mode.



Press **“Timer/Time”** again to set the timing period on this week day .



Press the button of the week day to select the expected week day.



Press **“▲”** or **“▼”** to adjust the time period



Press **“Confirm/Cancel”** to confirm/cancel the setting period.

(continued)



Quit this setting status automatically 30 seconds later or by pressing “**Timer/Time**”.

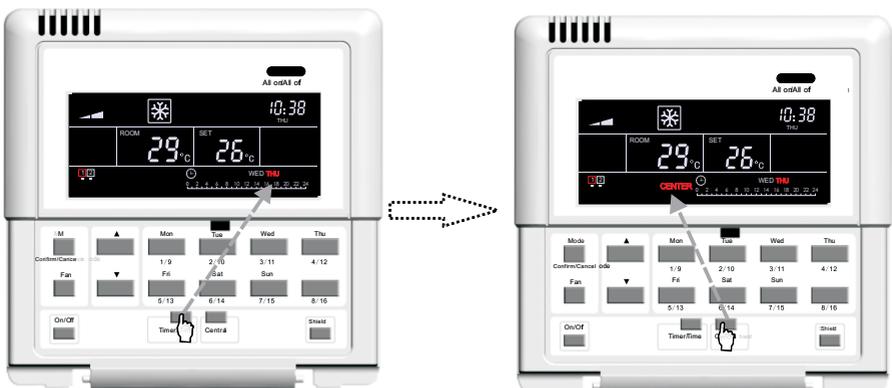
Fig.5.10 How to Set the Weekly Timer under the Centralized Control

5.3.5.4 How to Cancel the Weekly Timer under the Centralized Control

It is available to go to the weekly timer setting page by pressing “**Timer/Time**” under the single control status , with “**” flashing (“**” indicates MON, TUE, WED, THU, FRI, SAT, or SUN), and then press “ **Central**” with “CENTER” displayed on the LCD which indicates it is the right time to set the weekly timer under the centralized control; after that, press the week day button to choose the expected day and then press “**Confirm/Cancel**” to cancel the setting on this day for all indoor units (i.e. cancel the set time period on this day).

After the cancellation, it will back to the weekly timer setting page under the centralized control, and then it will quit this page automatically 30 seconds later or by pressing “**Timer/Time**” twice (first press for entering the settings status under the centralized control and the second for quitting this setting status).

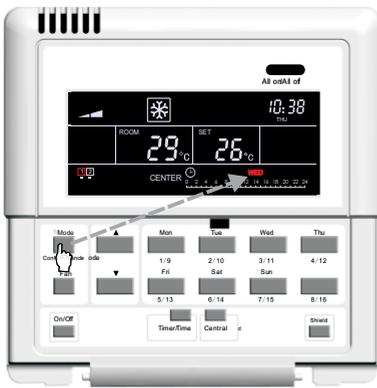
See Fig.5.11 for how to cancel the weekly timer under the centralized control:



Under the single control status, press “**Timer/Time**” to go to the timing setting page.

Press “**Central**” to go to the centralized control mode.

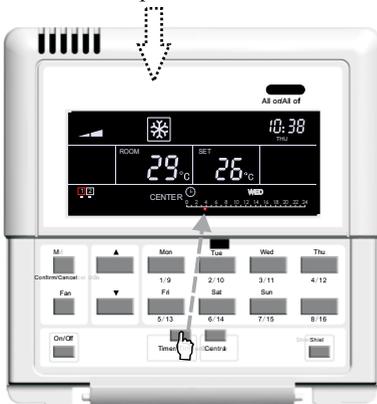
(continued)



Press “Confirm/Cancel” to cancel the set time period.



Press the button of the week day to select the expected week day.



Press “Timer/Time” to enter the setting status.



Press “Timer/Time” to quit this setting status.

Fig.5.11 How to Cancel the Weekly Timer under the Centralized Control

5.3.6 Time

It is available to go the clock setting status by pressing “week day button to set the day with **88**: flashing and then press “▲” or “▼” to set the hour. After that, press “Timer/Time” with **88** flashing and then press “▲” or “▼” to set the minute. By pressing “Timer/Time” or five seconds later, system will quit this setting status.

See Fig. 5.12 for how to set the clock:



Press “Timer/Time” for five seconds to go to the clock setting status .



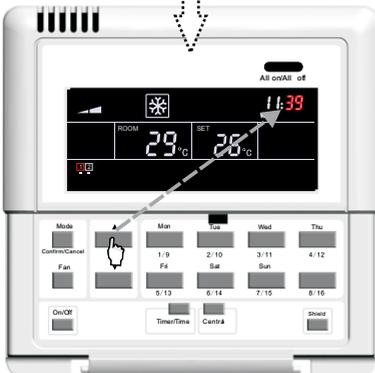
Press the button of the weekday to select the expected week day.



Press “Timer/Time” again to go to minute setting status .



Press “▲” or “▼” to set the hour.



Press “▲” or “▼” to set the minute.



Quit this setting status automatically 15 seconds later or by pressing “Timer/Time”.

Fig. 5.12 How to Set the Clock

5.3.7 Shield

The shield function can be set under either single control or the centralized control, and the control command (including: On/Off, Mode, Fan,▲/▼, and Shield etc.) based on the settings of the current indoor unit will be sent out to all online indoor units 2.5 seconds later.

5.3.7.1 “TEMP” Shield under the Single Control

It is available to activate or deactivate the temperature shield: first press “Shield” with “SHILED” displayed on the LCD, next press it to switch to “TEMP”, and then press “ Confirm/Cancel”, after that, “TEMP” will go on or go out but with “MODE” flashing instead. After the setting, it is enabled to quit this setting status by pressing “Shield” three times.

See Fig.5.13 for “TEMP” shield under the single control:

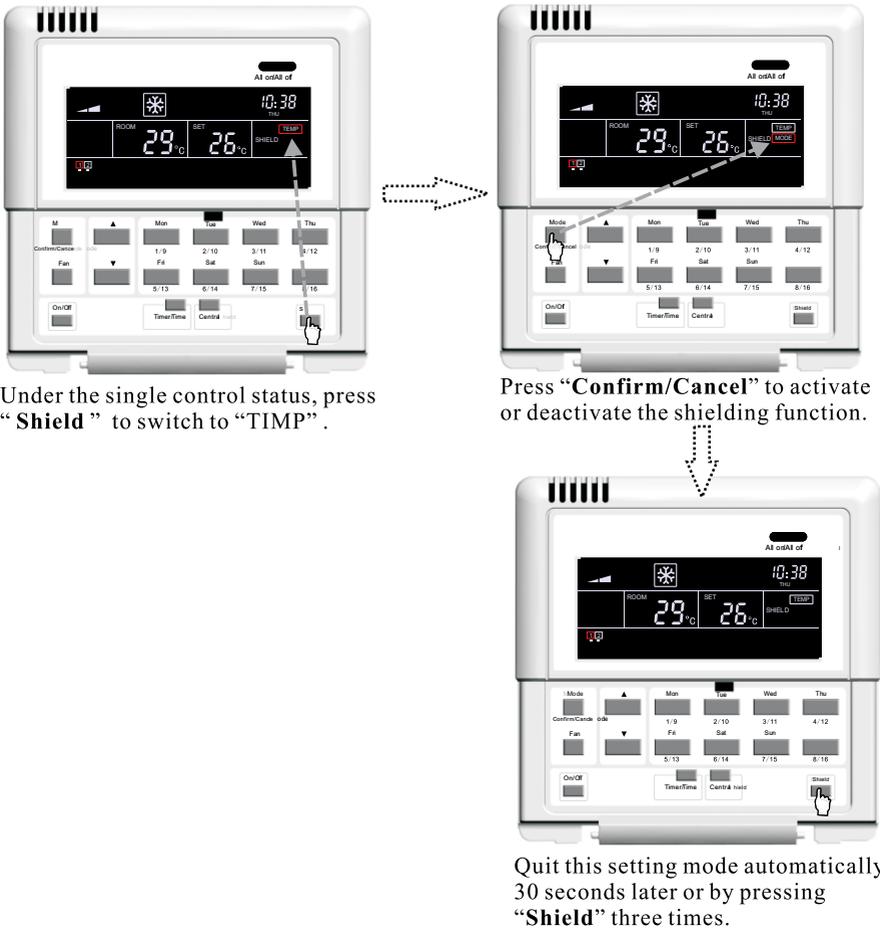
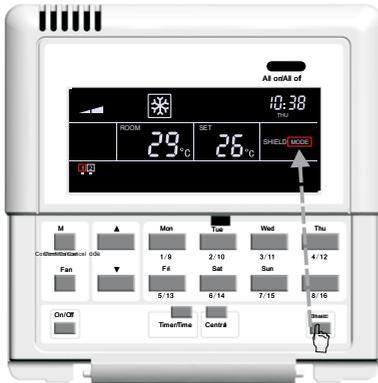


Fig.5.13 “TEMP” Shield under the Single Control

5.3.7.2 “MODE” Shield under the Single Control

It is available to activate or deactivate the mode shield: first press “Shield” with “SHILED” displayed on the LCD, next press it to switch to “MODE”, and then press “Confirm/Cancel”, after that, “MODE” will go on or go out but with “ON/OFF” flashing instead. After the setting, it is enabled to quit this setting status by pressing “Shield” twice.

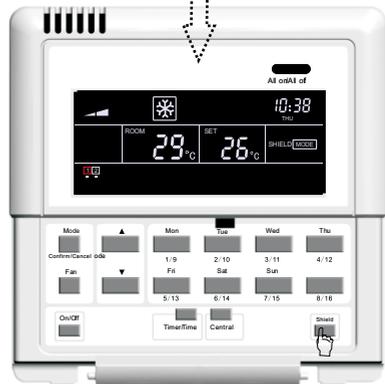
See Fig.5.14 for “MODE” shield under the single control:



Under the single control status press “Shield” to switch to “MODE”.



Press “Confirm/Cancel” to activate or deactivate the shielding function.



Quit this setting mode automatically 30 seconds later or by pressing “Shield” twice

Fig.5.14 “MODE” Shield under the Single Control

5.3.7.3 “ON/OFF” Shield under the Single Control

It is available to activate or deactivate the on/off shield: first press “Shield” with “SHILED” displayed on the LCD, next press it to switch to “ON/OFF”, and then press “Confirm/Cancel”, after that, “ON/OFF” will go on or go out but with “ALL” flashing instead. After the setting, it is enabled to quit this setting state by pressing “Shield” twice.

See Fig.5.15 for “ON/OFF” shield under the single control:



Under the single control status, press **“Shield”** to switch to **“ON/OFF”**.



Press **“Confirm/Cancel”** to activate or deactivate the shielding function.



Quit this setting mode automatically 30 seconds later or by pressing **“Shield”** once.

Fig.5.15 “ON/OFF” Shield under the Single Control

5.3.7.4 “ALL” Shield under the Single Control

It is available to activate or deactivate the all shield: first press **“Shield”** with **“SHILED”** displayed on the LCD, next press it to switch to **“ALL”**, and then press **“Confirm/Cancel”**, after that, **“ON/OFF”** will go on or go out and meanwhile quit this setting status.

See Fig.5.16 for **“ALL”** Shield under the single control:



Under the single control status press “Shield” to switch to “All” .

Press “Confirm/Cancel” to activate or deactivate the shielding function and mean while quit this setting status.

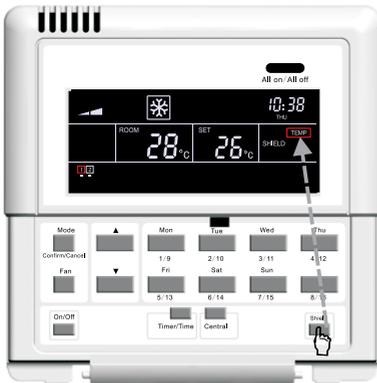
Fig.5.16 “ALL” Shield under the Single Control

Note: if the shield setting is not confirmed by pressing “Confirm/Cancel”, the system will quit this setting status 15 seconds later.

5.3.7.5 “TEMP” Shield under the Centralized Control

It is available to activate or deactivate the temperature shield under the centralized control: first press “Shield” with “SHILED” displayed on the LCD, next press it to switch to “TEMP”, then press “Central” with “CENTER” displayed on the LCD and then press “Confirm/Cancel”, after that, “TEMP” will go on or go out but with “MODE” flashing instead. After the setting, it is enabled to quit this setting status by pressing “Shield” three times.

See Fig.5.17 for “TEMP” shield under the centralized control:

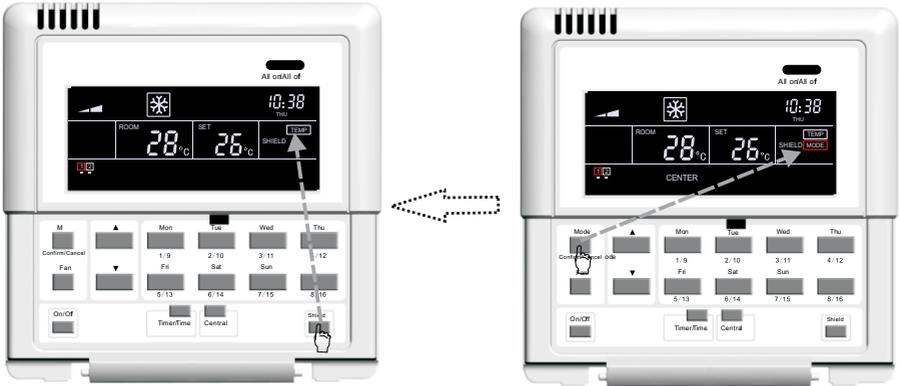


Under the single control status, press “Shield” to switch to “TEMP” .

Press “Central” to go to the shielding setting status under the centralized control .



(continued)



Quit this setting status automatically 30 seconds later or by pressing “Shield” three times.

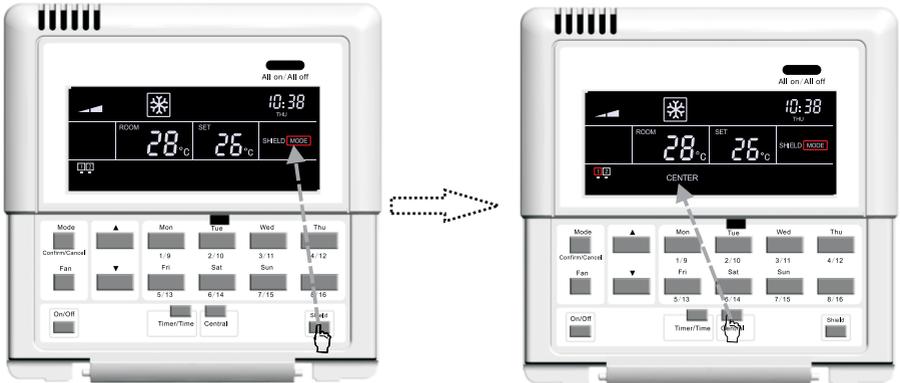
Press “ Confirm/Cancel ” to activate / deactivate the shielding function.

Fig.5.17 “TEMP” Shield under the Centralized Control

5.3.7.6 “MODE” Shield under the Centralized Control

It is available to activate or deactivate the mode shield under the centralized control: first press “Shield” with “SHILED” displayed on the LCD, next press it to switch to “MODE”, then press “Central” with “CENTER” displayed on the LCD and then press “Confirm/Cancel”, after that, “MODE” will go on or go out but with “ON/OFF” flashing instead. After the setting, it is enabled to quit this setting status by pressing “Shield” twice.

See Fig.5.18 for “MODE” shield under the centralized control:



Under the single control status, press “Shield” to switch to “MODE” .

Press “Central” to go to the shielding setting status under the centralized control.

(continued)



Quit this setting status automatically 30 seconds later or by pressing “Shield” twice.



Press “ Confirm/Cancel ” to activate / deactivate the shielding function.

Fig.5.18 “MODE” Shield under the Centralized Control

5.3.7.7 “ON/OFF” Shield under the Centralized Control

It is available to activate or deactivate the on/off shield under the centralized control: first press “Shield” with “SHILED” displayed on the LCD, next press it to switch to “ON/OFF”, then press “Central” with “CENTER” displayed on the LCD and then press “Confirm/Cancel”, after that, “ON/OFF” will go on or go out but with “ALL” flashing instead. After the setting, it is enabled to quit this setting status by pressing “Shield” once.

See Fig.5.19 for “ON/OFF” shield under the centralized control:



Under the single control status, press “Shield” to switch to “ ON/OFF ”.



Press “Central” to go to the shielding setting status under the centralized control.

(continued)



Quit this setting status automatically 30 seconds later or by pressing **“Shield”** once.

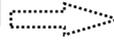
Press **“Confirm/Cancel”** to activate / deactivate the shielding function

Fig.5.19 “ON/OFF” Shield under the Centralized Control

5.3.7.8 “ALL” Shield under the Centralized Control

It is available to activate or deactivate the all shield for the centralized control: first press **“Shield”** with **“SHILED”** displayed on the LCD, next press it to switch to **“ALL”**, then press **“Central”** with **“CENTER”** displayed on the LCD and then press **“Confirm/Cancel”**, after that, **“ALL”** will go on or go out and quit this setting status at the same time.

See Fig.5.20 for **“ALL”** shield under the centralized control:



Under the single contrd status press **“Shield”** to switch to **“ALL”**.

Press **“Central”** to go to the shielding setting status under the centralized contrd.



(continued)



Press “**Confirm/Cancel**” to activate / deactivate the shielding function and meanwhile quit this setting status

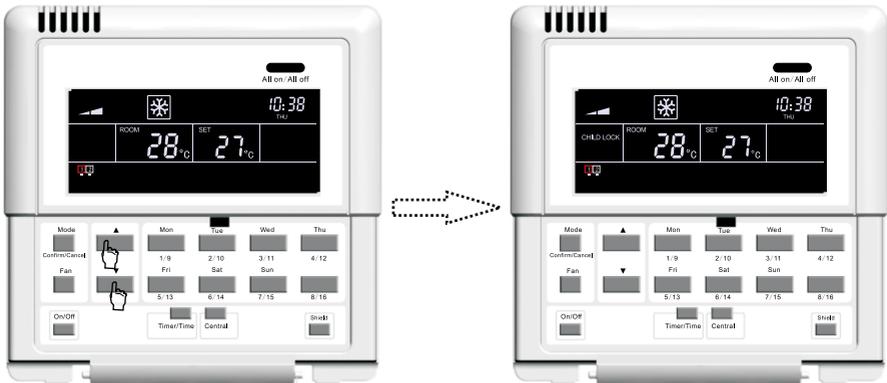
Fig.5.20 “ALL” Shield under the Centralized Control

Note: if the shield setting is not confirmed by pressing “**Confirm/Cancel**”, the system will quit this setting status 30 seconds later.

5.3.8 Child Lock

Whenever the unit is on or off, it is enabled to activate the function of the child lock by pressing “▲” and “▼” simultaneously for five seconds, in which case, “CHILD LOCK” will be displayed on the LCD and no button press except the combination of “▲” and “▼” will be answered. And this function can be deactivated by repeating the press stated above.

See Fig.5.21 for how to set the child clock:



Under the on state of the unit , press “▲” and “▼” simultanelusly for five seconds.

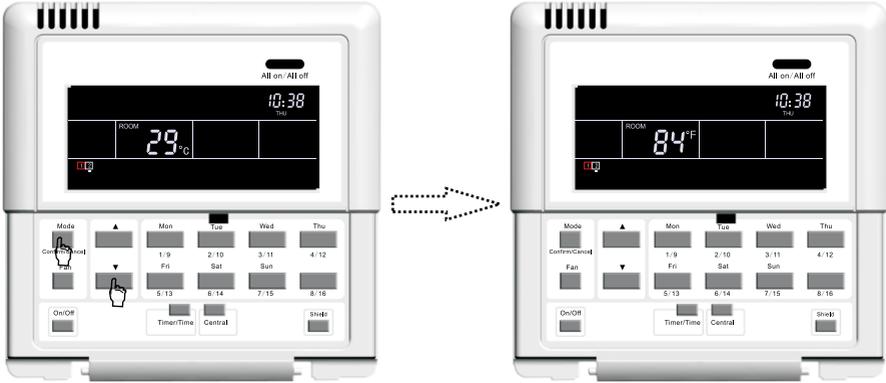
Go to the locking status with “CHILD LOCK” displayed on the LCD.

Fig.5.21 Child Lock

5.3.9 Switchover between Celsius and Fahrenheit

Under the off status of the current indoor unit, symbols of Celsius and Fahrenheit can be switched over by pressing “Mode” and “▼” simultaneously for five seconds.

See Fig.5.22 for the switchover between Celsius and Fahrenheit:



Under the off state of the unit, press “Mode” and “▼”simultaneously for five seconds.

Switch over the Celsius scale and the Fahrenheit.

Fig.5.22 the Switchover between Celsius and Fahrenheit

6. Error Display

When some error arises during the operation of the system, error codes will be displayed where the ambient temperature once is displayed on the LCD.

See Fig.6.1 for the error display:

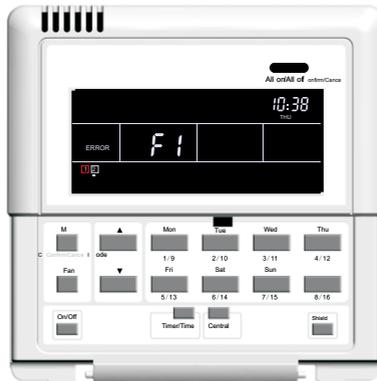


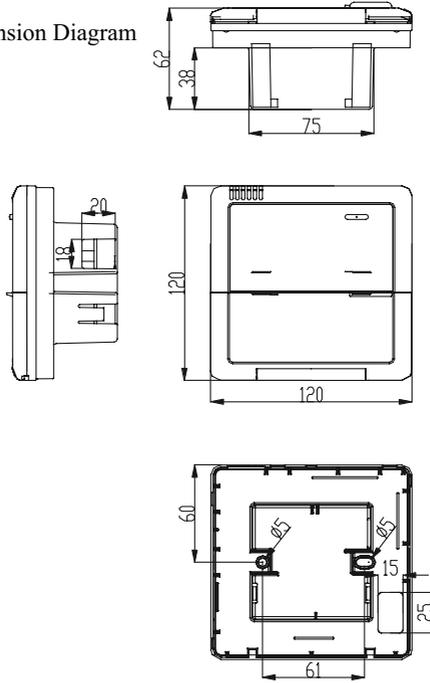
Fig. 6.1 Error Display

See Table 6.1 for errors of the multi VRF indoor units and see Table 6.2 for errors of the duct type indoor units.

7. Installation and Debugging

7.1 Installation

7.1.1 Installation Dimension Diagram



7.1.2. Connections

Refer to Fig. 7.3. to make the electrical connections.

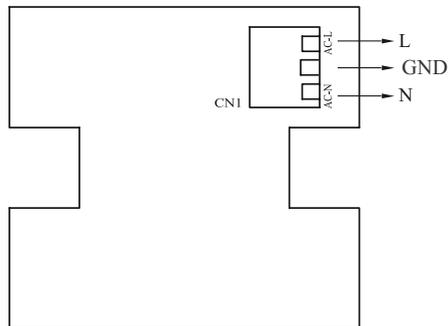


Fig. 7.3.

The connector CN1 is the power supply input.

7.1.3 Installation

The installation can proceed on when the installation location is selected and the installation steps are as follows:

- a. Firstly make sure where to install the smart zone controller.
- b. Embed the power supply box (2) as Fig.7.6 for the installation of the bottom case (3).
- c. Connect the power cord and the communication line of the display board and then let both go through the power supply box (2).
- d. Fix the bottom case on the power box (2) by screws.
- e. Tidy up the power cord and the communication line inside the smart zone controller.
- f. Close the cover (5).

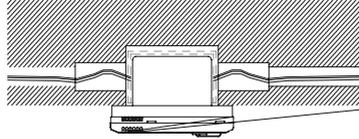


Fig.7.4 Concealed Cable Installation 1 (right-left wiring)

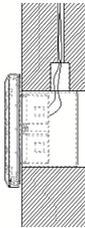


Fig.7.5 Concealed Cable Installation 2 (up-down wiring)

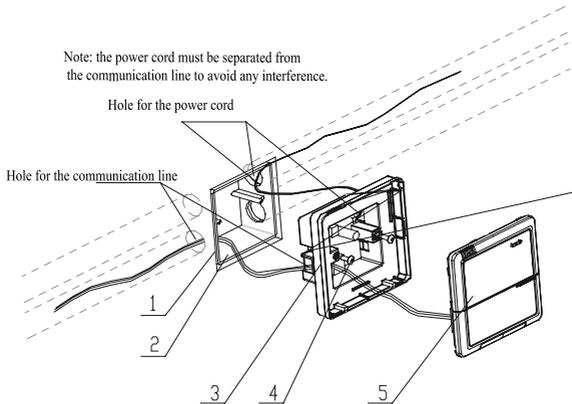


Fig. 7.6 Installation Diagram

Serial No.	Description
1	Wall
2	Power Supply Box (86)
3	Bottom Base(including power supply module board)
4	Screw
5	Top Cover(including the display board)

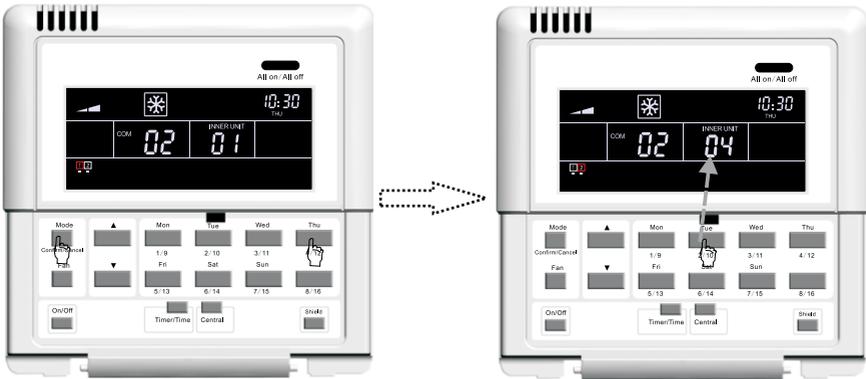
7.2 Debugging and Viewing the Port No. and the Indoor Unit Address

Debugging setting: In the event that the unit is initially powered on, the setting for the project changes, or the serial port is replaced, and then it is available to go to the debugging status by pressing “**Mode**” and “**Thu**” simultaneously for five seconds, under which page, it is enabled to check automatically and distribute the address of the indoor unit. 10 minutes later, the debugging is finished and the indoor unit which gains the address is under control and the unaddressed indoor unit is not.

Viewing the serial port and the indoor unit address: It is available to go to the debugging page by pressing “**Mode**” and “**Thu**” simultaneously for five seconds, under which page it is enabled to view the serial port and address of the corresponding indoor unit.

The press on “**Confirm/Cancel**” can confirm this debugging setting and go to the viewing state of the current indoor unit; otherwise this setting will not be saved.

See Fig.7.7 for the debugging operation. Fig.7 shows the indoor unit 1 and indoor unit 2, both of which are connected with the port COM2. The address of one is 01 and the other is 04.



Press “**Mode**” and “**Thu**” simultaneously for five seconds to go to the debugging page.

Press the code button of the indoor unit to inquire about its corresponding serial port and address.



Press “**Confirm/Cancel**” to make a confirmation.

Fig.7.7 Debugging

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