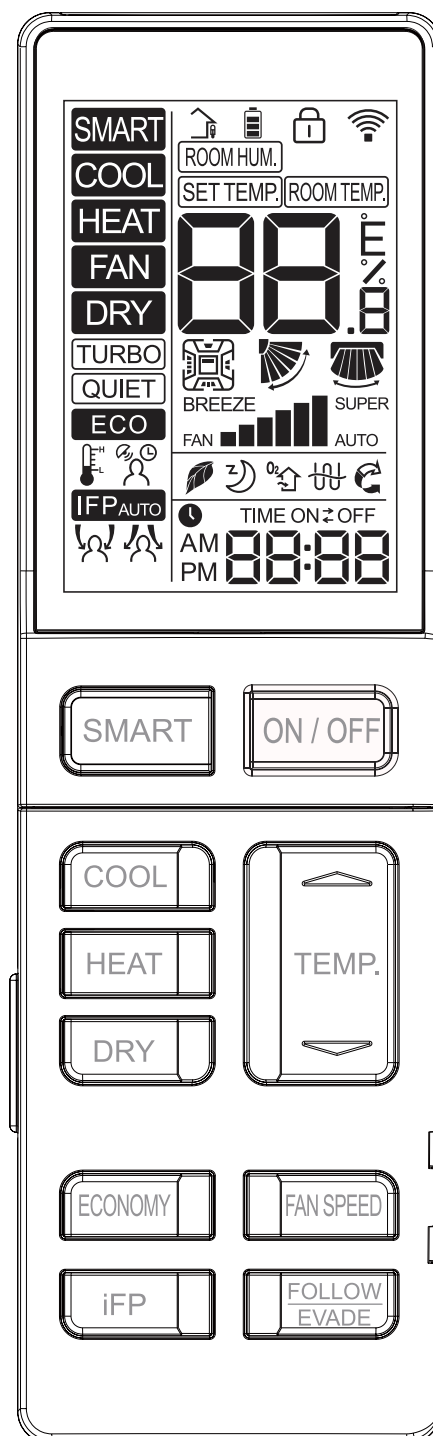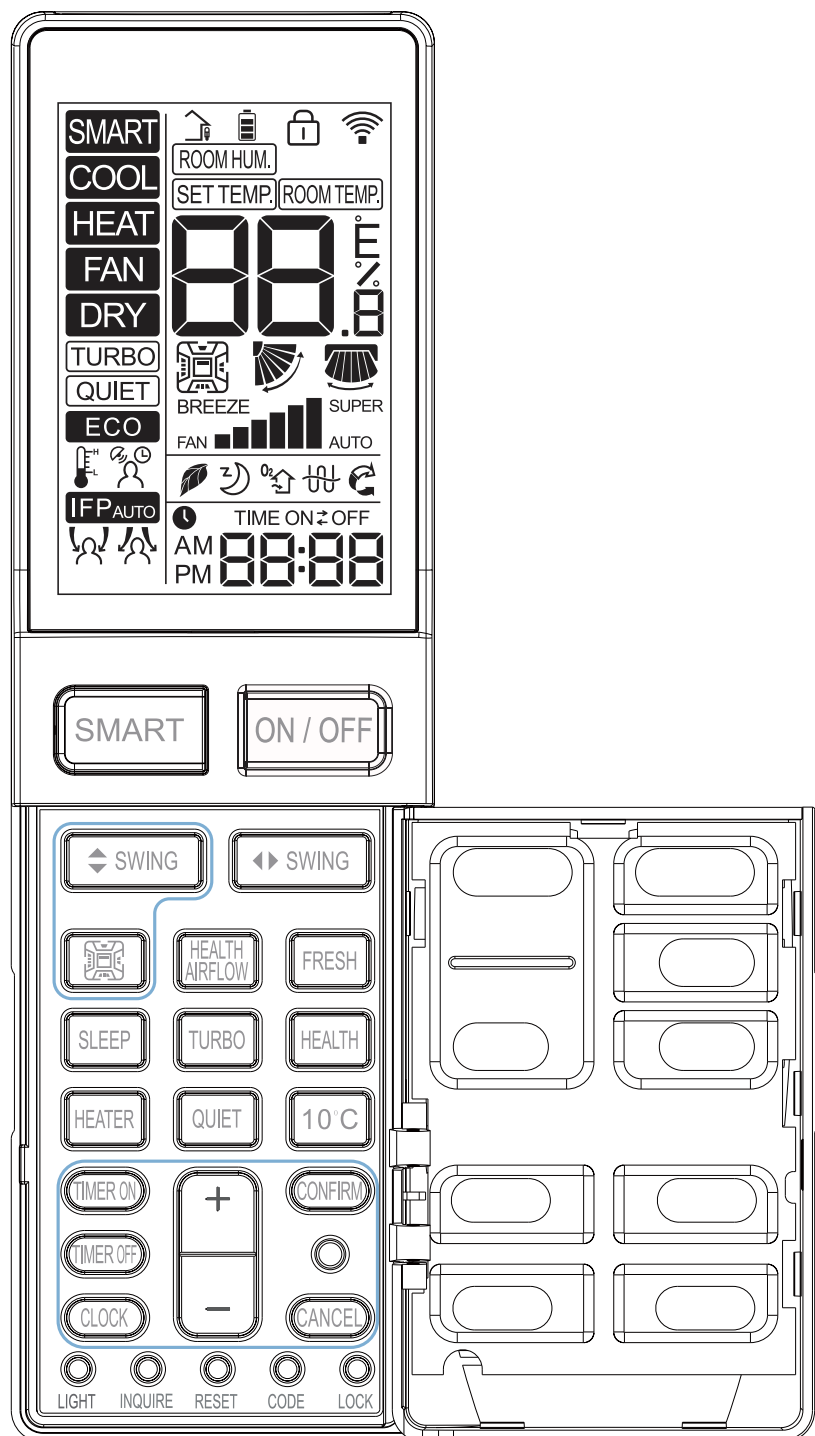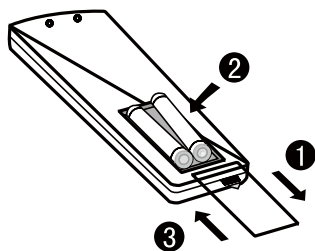# SZANIEC

Instrukcja w języku angielskim
obsługi pilota
do mobilnego klimatyzatora KLS 24-A

Loading of the battery

1. Remove the battery cover
2. Insert 2 AAA batteries as illustrated noting battery polarity
3. Reinstall the battery cover

Note:

The distance between the signal transmission head and the receiver hole should be within 7m without any obstacle as well. When electronic-started type fluorescent lamp or change- over type fluorescent lamp or wireless telephone is installed in the room,the receiver is apt to be disturbed in receiving the signals,so the distance to the indoor unit should be shorter.

Full display or unclear display during operation indicates the batteries have been used up. Please change batteries.

If the remote controller can't run normally during operation, please remove the batteries and reload several minutes later.

Hint:

Remove the batteries in case won't be in use for a long period. If there is any display after taking-out, just press reset key.

Functional description:

1. Power-up and Show All: the LCD display shows all symbols in this function. 3s later, it just shows time and the initial time is AM 12:00. The initial time is adjustable and will be confirmed automatically 10s later.

2. ON/OFF Button: press the button for power on. The initial default mode is SMART, otherwise it will be the mode before power OFF. Press OFF button after power on.

3. SMART Button:

(1) SMART button is always valid during power ON/OFF;

(2) Press SMART button to execute power OFF in SMART mode;

(3) In OFF and other modes, press SMART button to enter initial default setting of SMART mode. LCD setting temperature is not showed;

(4) In SMART mode, press TEMP. +/- button to show the setting temperature.

4. COOL Button, HEAT Button and DRY Button

(1) When the remote controller in ON, press COOL button, HEAT button and DRY button to execute COOL mode, HEAT mode and DRY mode.

(2) For initial power-up, temperature and fan speed will be showed as follows when entering each mode, otherwise parameters set last time will be showed;

Mode	SMART	HEAT	COOL	DRY	FAN
Initial TEMP.	24°C	24°C	24°C	24°C	Setting temperature is not showed.
Mode	SMART	HEAT	COOL	DRY	FAN
Initial Fan Speed	AUTO	LOW	HI	AUTO	LOW

5. FAN Mode

(1) During power OFF, press "HEALTH" button or "FRESH" button to enter FAN mode with low fan speed. Meanwhile, the HEALTH or FRESH icon will be showed on the screen.

(2) Temperature is not showed in FAN mode.

(3) Auto fan speed is not available when switching fan speed in FAN mode.

6. FAN SPEED Button:

(1) In other modes except for Fan mode, LOW, MED, HI and AUTO fan speed is adjustable, switching sequence is as LOW-MED-HI-AUTO-LOW.

LOW, MED and HI fan speed circulate automatically

(2) After TURBO or QUIET is set. Press TURBO button to show $\boxed{\text{TURBO}}$ on the screen with fan speed as $_{\text{FAN}}\blacksquare\blacksquare\blacksquare\blacksquare\blacksquare^{\text{SUPER}}$, then press "FAN SPEED" button to exit; press QUIET button to show $\boxed{\text{QUIET}}$ on the screen with fan speed as $_{\text{FAN}}\blacksquare^{\text{BREEZE}}$, then press "FAN SPEED" button to exit. To cancel TURBO and QUIET, press TURBO and QUIET buttons respectively, $\boxed{\text{TURBO}}$ and $\boxed{\text{QUIET}}$ icons will disappear and the fan speed will return to the last one.
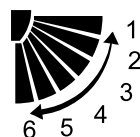
(3) This button is invalid during power OFF.

7. TEMP. +/- Button:

(1) This button is invalid in FAN mode;

(2) Temperature adjustment range in SMART, HEAT, COOL and DRY mode: 16 ~30°C.

(3) Press and hold "TEMP. +/- " button, the temperature changes once; long press the button, the temperature changes rapidly.

8. Four-side Embedment (Available for some models):

(1) Initial position of all modes for first power on:

	SMART	HEAT	COOL	DRY	FAN
Four-side Embedment	Show all	Show all	Show all	Show all	Show all
SWING Angle	Position 3	Position 5	Position 3	Position 3	Position 3

(2) After power on, press "Four-side Embedment" button for the first time and the recycle approach is as follows: four-side simultaneous control of Four-side Embedment → Four-side Embedment 1 → Four-side Embedment 2 → Four-side Embedment 3 → Four-side Embedment 4 → Four-side simultaneous control of Four-side Embedment.

(3) When pressing "Four-side Embedment" button to select air deflector, the selected air deflector flashes. Press "Up-and-down Angle" button to adjust angle of air deflector at the moment.

9. Up-and-down SWING Angle:
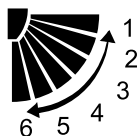
1: Position 1; 2: Position 2; 3: Position 3; 4: Position 4; 5: Position 5; 6: Position 6 (reserved)

Recycle approach: Position 1→ Position 2→ Position 3→ Position 4→ Position 5→ AUTO→ Position 1

Free swing: 1→ 2→ 3→ 4→ 5→ 4→ 3→ 2→ 1 is showed circularly.

10. Right-and-left SWING Angle (Available for some models):

Recycle approach: 34 showed (Position 1)→25 showed (Position 2)→16 showed (Position 3)→1 showed (Position 4)→2 showed (Position 5)→ 5 showed (Position 6)→ 6 showed (Position 7)→ Auto swing

Auto swing approach: 1→ 2→ 3→ 4→ 5→ 6→ 5→ 4→ 3→ 2→ 1 are showed circularly.
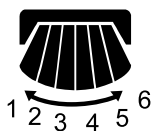
11. HEALTH AIRFLOW (Available for some models):

Press "HEALTH AIRFLOW" button to show ♺ icon on LCD display. Each air deflector of swings on four sides alternates circularly to indicate that the swing rotates to exhaust air. Meanwhile, up-and-down SWING angle shows AUTO SWING. Press it again to cancel HEALTH AIRFLOW.

| Show 1s | Show 1s | Show 1s | Show 1s | Show 1s |

12. SLEEP:

(1) Valid during power on.

(2) The SLEEP time is fixed to 8 hours and is not adjustable.

(3) It is invalid in FAN mode. When setting TIMER ON or TIMER ON to TIMER OFF after setting SLEEP function, once the timer setting is successful, the SLEEP function will be cancelled; after setting TIMER ON or TIMER ON to TIMER OFF, the SLEEP function cannot be set. SLEEP function can be set from TIMER OFF to TIMER ON, TIMER OFF and SLEEP function have priority in canceling the opposite side.

13. HEALTH:

(1) During power-on or power-OFF, press "HEALTH" button to display icon 🍃 on LCD display, and press "HEALTH" button again to cancel.

(2) During power-OFF, press "HEALTH" button to enter blowing-in mode, start low wind and HEALTH mode, display icon 🍃 .

(3) Switch among modes, and keep HEALTH function.

(4) If HEALTH function is set, power OFF and then on to stay in HEALTH mode.

14. ECO:

(1) Press ECO button and the display will show ECO .

(2) ECO is valid under all modes, it is memorized among switch of all modes.

(3) ECO function power-on or power-OFF is memorized.

15. Turbo/Quiet:

(1) Press button "Turbo" display icon TURBO on remote LCD display, display icon FAN ▪▪▪▪ SUPER of fan speed; Press button "Quiet" display icon QUIET on remote LCD display, display icon FAN ▪▪ BREEZE of fan speed.

(2) Turbo and QUIET functions can not exist at the same time, the latter will replace the former.

(3) If Turbo function is set, press "SLEEP" button to exit turbo, which means that setting SLEEP function while canceling turbo function. At the same time, the icon TURBO disappears and icon 🌙 is shown; if QUIET function is set at present, press button "SLEEP" while QUIET function is still kept.

(4) This function is valid under the mode of COOL or HEAT.

(5) Turbo/QUIET functions are not memorized among switch of all modes/the state of on or OFF.

16. IFP:

(1) Press "IFP" button, display IFPAUTO, IFP function is set, and press "IFP" button again to cancel.

(2) Press "Follow/Evade" button, display IFPAUTO that expresses following; press it again, display IFPAUTO that expresses evading.

Press it the third time to cancel.

(3) If follow/evade functions are set, air-out angle will change with position of people, so after setting these functions, Four-side Embedment icons in all sides, up-and-down SWING and left-and-right SWING icons will disappear.

(4) If air conditioner is in the state of HEALTH airflow, follow/evade functions are set, HEALTH airflow function is cancelled, Four-side Embedment, up-and-down SWING and left-and-right SWING icons will disappear.

17. FRESH (available for some models):

(1) FRESH function is valid under the state of on or OFF. When air conditioner is OFF, press "FRESH" button, display icon ⁰%⇧ on LCD display to enter blowing-in mode and low speed. Press "FRESH" button again, this function is cancelled.

(2) After FRESH function is set, on or OFF functions are kept.

(3) After FRESH function is set, mode switch function is kept.

18. 10°C Heating Function (available for some models) :

This function is valid only under the mode of HEAT, and it is not memorized under the state of on or OFF.

19. HEAT (available for some models) :

(1) When HEAT mode is chosen 🔆 and is displayed on LCD display, pressing "HEAT" button can cancel and set HEAT function.

Mode

Press this key to execute mode switch. For detailed information, please refer to mode setting.

Note: If using Fresh Air unit, default 3 modes will circulate from cooling→heating→fan→cooling.

Fan

Pressing this key, fan speed will be changed in sequence as follows: :::: :::: ✵ :::: :::: (Low) → :::: :::: :::: ✵ :::: :::: :::: (Medium) → :::: :::: :::: :::: ✵ :::: :::: :::: :::: (High)→Auto → :::: :::: ✵ :::: :::: (Low)

Note: Auto fan will be changed in sequence as follows:

:::: :::: ✵ :::: :::: → :::: :::: :::: ✵ :::: :::: :::: → :::: :::: :::: :::: ✵ :::: :::: :::: :::: → :::: :::: ✵ :::: ::::
AUTO   AUTO   AUTO

There is no auto fan in fan mode; The fan icon will flash when adjusting the fan speed. It will statically display after the adjustment.

Note: If using Fresh Air unit, fan will be in auto fan and cannot be adjusted. If press FAN key, fan icon and FFFF on the top-right corner will flash, prompting fan speed cannot be adjusted, and will statically display after 3s. Fresh Air unit fan speed will be controlled automatically by indoor unit and wired controller will always display auto fan.

Time

Timer ON, Timer OFF, Timer ON/OFF.

Set

Press this key to enter function circulation.

1.Press ▼ to select the functions in sequence as follows:

🗮 → 🗮 → ᔛ → 🏠 → ECO → ⊞

2.Press ▲ to select the functions in sequence as follows:

⊞ → ECO → 🏠 → ᔛ → 🗮 → 🗮

3. Press Set to confirm function selected. If there is function selected, press Set can cancel this function.

Note: The Left/Right swing 🗮 is valid only after the dip switch is set, the filter icon ⊞ is shown only after the filter requires cleaning.

Icon

⏱ 88:88	Clock; Parameter setting/inquiry; Malfunction display; Mode setting.
⏰ 88:88 ON⟷OFF	Timer ON/OFF: Sleeping; Parameter setting/ inquiry; Malfunction display.
ROOM SET 88.0℃㎥	ROOM/SET temp. and humidity display, each step is 0.5°C . For example, if the temp. is 25°C, it will display 25.0°C instead of 25°C. Humidity display function is reserved.
ECO	Energy Saving, This icon will be displayed only when energy saving function is set.
⊞	Filter Cleaning.
☺	Child Lock. This icon will be displayed only when child lock function is set.
🔓/🔒	Lock/ Central
👤	Motion Sensing (Reserved).
🗮	Left/Right Swing. This icon is displayed in swing mode; no display without swing mode.
🗮	Up/Down Swing. This icon is displayed in swing mode; no display without swing mode.

☽	Sleeping. This icon is displayed when setting the sleeping, and left time of sleeping is displayed by 88:88
⌂	Heat Reclaim Ventilation, This icon is displayed when setting the heat reclaim ventilation.
⊔⊔	Electrical Heating. This icon will display when electrical heating is set on DC wired controller.
◠	Intelligent Mode.
✻	Cooling Mode.
☼	Heating Mode.
✠	Fan Mode.
◠	Dry Mode.

:::: :::: ✠ :::: ::::	Low Fan Speed.
:::: :::: :::: ✠ :::: :::: ::::	Medium Fan Speed.
:::: :::: :::: :::: ✠ :::: :::: :::: ::::	High Fan Speed.

If the fan speed is set in auto fan, it will change in the following sequence: Low→Medium→High→Low, AUTO icon will display simultaneously.

17.1 Operation
Dip Switch Interpretation (for AC)

DIP switch	On/Off station	Function	Default setting
Sw1	On	Slave wired controller	Off
	Off	Master wired controller	
Sw2	On	Ambient temp. display on	Off
	Off	Ambient temp. display off	
Sw3	On	Collect ambient temp. from PCB of indoor	Off
	Off	Collect ambient Temp. from wired controller	
Sw4	On	Non-volatile memory invalid	Off
	Off	Non-volatile memory valid	
Sw5	On	Fahrenheit	Off
	Off	Celsius	
Sw6	On	reserved	Off
	Off	reserved	
Sw7	On	Model with Up/Down and Left/Right swing	Off
	Off	Model with Up/Down swing	
Sw8	On	Fresh Air unit	Off
	Off	General unit	

Difference between the Function of the Master Wired Controller and Slave Wired Controller

Comparison item	Master wired controller	Slave wired controller
Function	All functions are available	1. ON/OFF, Mode, Fan Speed, Temp. Setting, Swing, Energy Saving, Clock function, Heat Reclaim Ventilation function, Mode Setting, Screen Saving and Child Lock are available 2.Cancel the filter cleaning icon 3.Look up the detailed parameter and malfunction code

Initialization

(1)The wired controller will display all the icons after powering on or reset, then get into the initializing process. The controller will display in sequence as follows: 88:88 (the top-left corner) → 88:88 (the top-right corner) → 88.8 → 88:88 (the top-left corner), the green LED flashes all the time until the initialization ends.

(2) If the wired controller can't be communicated with the indoor PCB normally after powering on, the initialization will be finished in 4 minutes, and then the communication malfunction can be checked from the malfunction inquiry function.

Screen Saving

(1) In the state of off and non screen saving, keep pressing Time and ▼ for 5s to set screen saving time, which will be shown after the top-right colon 88 statically. Press Up/Down key to adjust screen saving time and press Set key to confirm.

(2) Screen saving time should be 0s(backlight always on), 15s, 30s, 60s, default value is 15s. If it is not the first time of entering, it will display the screen saving time adjusted last time.

(3) In the process of changing screen saving time, press ON/OFF key to quit screen saving time setting function, it will recover to screen saving time before adjustment and start-up the unit.

Note:

When controlling Fresh Air unit, the controller main interface will not display Up/Down key in normal state. When in screen saving setting, press Time key first to display Up/Down key at the main interface, and then press together Time and Down key to enter screen saving time setting.

Clock Function

(1) 24-hour system is used, and at first time of powering on, it will display default 12:00.

(2) When first powering on wired controller, ⊕ 12:00 will be displayed on the wired controller interface, clock time can be adjusted within 10s. At the same time, clock icon ⊕ and minute-place of time will flash, meaning the current time can be adjusted. Press Up/Down key to adjust minute-place with flashing of clock icon and no flashing of minute-place. Press Time key to shift to hour-place, and then press Up/Down key to adjust hour-place with flashing of clock icon and no flashing of hour-place. After adjustment, clock icon and hour-place will flash and press Set key to confirm and clock icon and time will display statically.

(3) Press Time key for 5s to enter clock setting function. It will show ⊕ 12:00 after first powering on (if not first time of powering on, clock time is the memorized time), with clock icon and minute-place flashing, meaning current time can be adjusted. Press Up/Down key to adjust minute-place with flashing of clock icon and no flashing of minute-place. Press Time key to shift to hour-place, and then press Up/Down key to adjust hour-place with flashing of clock icon and no flashing of hour-place. After adjustment, clock icon and hour-place will flash and press Set key to confirm and clock icon and time will display statically.

(4) Clock time adjustment: when adjusting time, press ▼ one time to reduce one minute/hour while press ▲ one time to add one minute/hour. Keep pressing ▼ or ▲ key to accelerate time adjustment, with 2 times/s change after 1 s, 10 times/s change after 5s. After 10s, it will change by 10 minutes and frequency is 10 times/s.

(5) In the process of time adjustment, if there is no operation for 10s, it will quit and restore previous state.

(6) In the process of time adjustment, press ON/OFF key to quit clock setting function and execute turning on/off operation at the same time.

(7) When setting timer or sleeping function, clock time cannot be adjusted. If press Time key for 5s to enter clock adjustment, clock icon and clock time will flash indicating time cannot be adjusted.

Timer Function

(1) Timer mode setting: Timer ON, Timer OFF, Timer ON/OFF.

(2) Default: Timer ON is ⏲ 8:00 (ON), Timer OFF is ⏲ 12:00 (OFF).

(3) Precision: The time precision is 1 minute. Timer clock is based on the current clock time; the adjustment is the same as clock time.

(4) Screen display: The icon is set to be presented on the top-right of the screen.

(5) Relation to the ⊚ (ON/OFF): The ON/OFF button has no affection on timer setting. Under power off state, the Time key is valid.

(6) Timer display:

Timer ON:

Press Time key, it displays default ⏲ 8:00 (ON) for the first time (previous setting will be displayed if there is setting before).

Then hour position and "ON" are flashing. Press ▼▲ to adjust the timer, minus/add 1 hour a time. Keep pressing to accelerate the adjusting speed. Press Time key a second time and then the minute position and "ON" are flashing. Press Set to confirm the setting, the setting time is displayed and "ON" will not flash. If there is no input for 10s, this setting will be cancelled and the timer will come back to the previous state.

Timer OFF:

Press Time key, it displays default ⏲ 8:00 (ON) for the first time (previous setting will be displayed if there is setting before). Then hour position and "ON" are flashing; Press Time key again, the minute position and "ON" are flashing; Press Time key again, it displays default ⏲ 12:00 (OFF) for the first time (previous setting will be displayed if there is setting before).

Then the hour position and "OFF" are flashing. Press ▼▲ to adjust the timer, minus/add 1 hour a time. Keep pressing to accelerate the adjusting speed; Press Time key again, the minute position and "OFF" are flashing. Press Set to confirm the setting, the setting time is displayed and "OFF" will not flash. If there is no input for 10s, this setting will be cancelled and the timer will come back to the previous state.

Timer ON/OFF:

Press Time key, it displays default ⏲ 8:00 (ON) for the first time (previous setting will be displayed if there is setting before).

Then hour position and "ON" are flashing; Press Time key again, the minute position and "ON" are flashing; Press Time key again, it displays default ⏲ 12:00 (OFF) for the first time (previous setting will be displayed if there is setting before). Then the hour position and "OFF" are flashing; Press Time key again, the minute position and "OFF" are flashing; Press Time key again, it displays default ⏲ 8:00 (ON OFF) for the first time (previous setting will be displayed if there is setting before).

Then the hour position and "ON" are flashing. Press ▼▲ to adjust the timer, minus/add 1 hour a time. Keep pressing to accelerate the adjusting speed; Press Time key again, the minute position and "ON" are flashing; Press Time key again, it displays default ⏲ 12:00 (ON OFF) for the first time (previous setting will be displayed if there is setting before). Then the hour and "OFF" are flashing. Press ▼▲ to adjust the timer, minus/add 1 hour a time. Keep pressing to accelerate the adjusting speed; Press Time key again, the minute position and "OFF" are flashing. The controller will judge the order of timer on and off and use the arrow to show the order. First ON then OFF: ON→OFF; First OFF then ON: ON←OFF. Press Set to confirm the setting. If there is no input for 10s, this setting will be cancelled and the timer will come back to the previous state.

Timer Setting Cancellation

(1) If there is no Time key related operation for 10s, this setting will be cancelled and the timer will come back to the previous state.

(2) Sequence: Pressing Time once, it displays default ⏲ 8:00 (ON) for the first time (previous setting will be displayed if there is setting before). The hour position and "ON" are flashing;

Pressing for a 2nd time, the minute position and "ON" are flashing;

Press for a 3rd time, it displays default ⌚ 12:00 for the first time (previous setting will be displayed if there is setting before). Then the hour position and "OFF" are flashing;

Pressing a 4th time, the minute position and "OFF" are flashing;

Pressing a 5th time, it displays default ⌚ 8:00 for the first time (previous setting will be displayed if there is setting before). Then the hour position and "ON" are flashing;

Pressing a 6th time, the minute position and "ON" are flashing;

Pressing a 7th time, it displays default ⌚ 12:00 for the first time (previous setting will be displayed if there is setting before). Then the hour position and "OFF" are flashing;

Pressing a 8th time, the minute position and "OFF" are flashing;

Pressing a 9th time, cancel the setting.

(3) Relation to other buttons when timer is set.

Press the Mode key or Fan key to exit the current setting, press them again to operate the function accordingly;

Press the ⊚ (ON/OFF) key can exit the timer setting and power ON/OFF directly. If there is a timer before, the wired controller will operate by following the previous setting. If not, the wired controller will have no timer operation.

Swing

(1) If Sw7 is off (default): only Up/Down swing is available.

Press SET key to enter function circulation, Up/Down swing icon flashing, then press SET key again to confirm with swing icon statically displaying. If swing function is set, execute the above operation to cancel.

(2) If Sw7 is on: Up/Down swing and Left/Right swing are available.

Press SET key to enter function circulation, Left/Right swing icon flashing, then press Up/Down key to enter Up/Down swing, with Up/Down swing icon flashing. Press SET key again when swing icon flashing to confirm, with swing icon statically display. If swing function is set, execute the above operation to cancel.

(3) If connecting to the salve wired controller, Sw7 dip code of master and slave wired controllers should be set the same and should match the actual wired controller unit.

Sleeping

(1) Press Set key to enter function setting, press ▼▲ to the sleeping icon " ☽ " and it will flash, the sleeping time will display by the 88:88 which is on the top-right corner. Press Time key to enter sleeping time setting. "OFF" and sleeping icon are flashing. Press ▼▲ to adjust the sleeping time by 0.5h once, the range of sleeping time is from 0.5h to 72h. After the adjustment, press Set key again to confirm the operation. "OFF" and sleeping icons are statically displayed.

(2) During sleeping icon is flashing, pressing Set key instead of Time key, the wired controller will take the converse operation of previous sleeping state. If there is sleeping set, cancel it; if not, come into the setting operation.

(3) If power off is executed during sleeping, the sleeping function is cancelled at the same time; there is no display when powered on again. It needs to be reset if any requirement.

(4) In sleeping set or modification state, if there is no operation in 10 seconds, it will keep previous state, and the setting or modification is invalid this time.

(5) Under sleeping and timer setting state, it will display setting time respectively; when setting simultaneously, it will display the prior executed time. When timer off is executed first, sleeping function will be cancelled and when sleeping is executed first, then timer off function will be operated after that.

(6) Under function setting state, it will exit function setting state by pressing Mode or Fan key.

(7) If set sleeping time to 1 hour, it will display 1.0h on the interface.

(8) Sleeping time and timer on should not be set at the same time.

(9) When setting sleeping function, press ON/OFF key to quit sleeping set and turn off unit.

Heat Reclaim Ventilation Function

(1) Press Set key to enter function setting, press ▼▲ to the heat reclaim ventilation icon " ⌂ " and it will flash, press Set key again to confirm the operation. The above operation can cancel the heat reclaim ventilation function if heat reclaim ventilation function has been set.

(2) After setting heat reclaim ventilation function, it is switched off together with off commend from wired controller. Heat reclaim ventilation function is kept once the unit is switched on again.

(3) After you set heat reclaim ventilation function, change mode of wired controller, heat reclaim ventilation function is kept and heat reclaim ventilation function will be memorized when non-volatile memory valid.

Energy Saving

(1) Press Set key to enter function setting, then press ▼ ▲ to choose energy saving, press Set key again to confirm the operation and display energy saving icon ECO . If energy saving function has been set, the above operation will cancel it.

(2)The energy saving default parameter are 23°C (the lowest temp. limit of cooling and dry mode) and 26°C (the highest temp. limit of heating mode). The temp. adjusting range is 23°C-30°C in cooling and dry mode, the temp. adjusting range is 16°C-26°C in heating mode. If energy saving function is set, the indoor units will run at the default temperature.

Note: Fresh Air unit has no energy saving function.

Filter Cleaning

When filter cleaning icon ⊞ is displayed, the icon will display in function sequence. If filter cleaning icon is flashing, press Set key to clear it.

Mode Setting

(1) In off and non screen saving state, press Mode key for 5s, it will display 8 segment on the top-left corner of current mode circulation, default value being 0. Press Up/Down key to shift between 0, 1, 2, 3, then press Set key to confirm value. It will follow the altered mode circulation after turning on the unit again.

Corresponding mode of different value.

0-------------[Intelligent] [Heating] [Dry] [Cooling] [Fan] 1-------------[Heating] [Dry] [Cooling] [Fan]

2-------------[Dry] [Cooling] [Fan]

3-------------[Heating] [Dry] [Cooling] [Fan]

(2) If modes are reduced and the mode that is set before turning off is not in the newly set mode circulation, the initial mode is fan.

(3) The intersection of mode circulation set by wired controller and indoor unit is valid.

(4) Fresh Air unit can execute mode setting, it will execute the intersection with three modes of Fresh Air unit (cooling/heating/fan mode)

(5) This setting is ground floor setting and will be memorized whether non-volatile memory invalid or valid.

Malfunction Display

(1) The main interface does not display malfunction.

(2) Under no screen saving state, press Time key for 10 seconds to check all indoor units malfunction in the group, but at this time, the interface does not display clock information and timer information. Unit No. is displayed behind the top-left colon; current malfunction is displayed before top-right colon and historical malfunction is behind colon.

(3) Unit No. is displayed in decimal and malfunction is displayed in hexadecimal.

(4) All hexadecimal numbers of malfunction are in capital. But b and d is in small capital in order not to mix with 8.

(5) If there is no current malfunction, "--" is displayed before the right colon; if there is no historical malfunction, "--" is displayed behind the right colon.

(6) Press Time key to quit malfunction check state. The clock information and timer information are displayed.

(7) Malfunction records clearance: Keep pressing Time key for 10 seconds, malfunction is displayed. Then press Time key again for 5 seconds to clear current and historical malfunction of all the units.

(8) Press ▼ ▲ to choose unit No..

Child Lock

(1) Child lock function can be used to prevent false operation. All of keys are locked after pressing Set and ▼ together for 5 seconds. child lock icon ⬡ will display on the interface. All of settings will exit and keep the previous state. All of keys are invalid including "ON/OFF".

(2) The screen will unlock after pressing Set and ▼ together for 5 seconds, child lock icon will disappear and all keys are available.

Note:

When controlling Fresh Air unit, the controller main interface will not display Up/Down key in normal state. When in

child lock setting, press Time key first to display Up/Down key at the main interface, and then press Set and Down key together for 5 seconds to enter child lock setting. After setting child lock, Up/Down key will keep displaying for the convenience of cancellation of child lock.

Parameter Inquiry

(1) Keep pressing Set for 5 seconds to enter parameter inquiry. Unit No. is displayed on 88 area of clock while data type is displayed on 88 area of timer. Unit No. is displayed on the first two "88" fields of clock while data type is displayed on the first two "88" fields of timer. The data type includes A, b, C, d, E and F. The current data is displayed behind date type. For example, ambient temp. of 00 unit is 16 degree, then "00   A 16" is displayed. Press ▼ ▲ to choose different type of data from A, b, C, d, E and F.

Data	Type meaning	System
A	Indoor sensor Tai temp.	Actual value, decimal sys.
b	Indoor sensor Tc1 temp.	Actual value, decimal sys.
C	Indoor sensor Tc2 temp.	Actual value, decimal sys.
d	Indoor unit PMV opening/2	Actual value, decimal sys.
E	Indoor unit address	Actual value, hexadecimal sys.
F	Indoor unit central address	Actual value, hexadecimal sys.

(2) In parameter inquiry state, press Time key to change the unit No. address in the group.

(3) In parameter inquiry state, press the Set key again or have no operation for 10 seconds to exit.

(4) In parameter inquiry state, press Mode or Fan can exit the parameter inquiry and press above keys again, their corresponding functions will work.

(5) In parameter inquiry state, press "ON/OFF" , it will exit the current state directly and then turn on/off.

Unit No. Setting

(1) Entering: Press Set key for 10 seconds to enter unit No. setting/ inquiring.

(2) Setting is available when the communication address between indoor and outdoor unit is flashing if the indoor unit's dip switch can set the address, then use ▼ ▲ to adjust within the range of 0-3F. If the indoor dip switch cannot set the address, the communication address between indoor and outdoor unit is static, which can only be inquired.

(3) Wired controller's address is displayed before the colon of clock on the top-left corner, ranging from 0 to 15 and displayed in decimal system.

(4) The communication address between indoor and outdoor unit is displayed on the top-left corner. The default value is the current unit's address, selecting other indoor units by the ▼ ▲.

(5) Central address is displayed on top-right corner which cannot be edited.

(6) Press Set key to confirm and exit the setting after changing the communication address of indoor unit. If press other keys or no operation in 10 seconds, it will automatically exit and keep previous setting. If press Mode or Fan key, exit and the current setting is invalid. If press "ON/OFF", turn on/off the unit directly and the current setting is invalid.

Static Pressure Grade Inquiry and Adjustment Function

(1) In the state of ON and non screen saving state, press Fan + Set keys for 5s to enter static pressure grade adjustment state with static pressure icon flashing and current static pressure grade statically displaying. Press ▼ ▲ key to change static pressure grade, then press Set key to confirm.

(2) The unit No. will display by two 8 segments after colon on the top-left corner, and static pressure grade will display by two 8 segments after colon on the top-right corner. Press Time key to shift unit No..

(3) Unit No. will show decimally from 00-15. Static pressure will be shown decimally from 01-04.

(4) In query and adjustment state, if there is no screen saving, press ON/OFF key to quit current state and turning on/off unit, with changed values not being saved.

(5) Static pressure is the inquired value with non-volatile memory invalid.

Communication with Central Controller

(1) The controller displays 🔒 to show central control mode after receiving central control signal from indoor unit;

(2) When 🔒 statically displays, all keys except "ON/OFF" of wired controller are invalid. central icon will disappear if no central control signal from indoor unit.

(3) When receiving locking signal from indoor unit, 🔒 statically display, all keys are invalid.

(4) In central or lock state, screen saving is valid; press any key to wake up screen.

(5) In central or lock state, malfunction inquiry, indoor unit parameter inquiry and child lock are valid.

Energy Saving Parameter Setting

(1)Under cooling mode 30°C, keep pressing Fan key for 5 seconds to set energy saving parameter in cooling mode. This cooling energy saving parameter is flashing behind top-left colon. The default value is 23°C. This lowest target cooling temperature can be adjusted by ▼▲ . After setting, press Set key to confirm and exit.

(2) Under heating mode 16°C, keep pressing Fan key for 5 seconds to set energy saving parameter in heating mode. This heating energy saving parameter is flashing behind top-right colon. The default value is 26°C. This highest target heating temperature can be adjusted by ▼▲ . After setting, press Set key to confirm and exit.

(3) Energy saving parameter will be valid after energy saving icon ECO displays.

Non-volatile Memory

(1) Set valid or invalid non- volatile memory through dip switch Sw4.

(2) Info memorized: Mode, Fan Speed, Temp. Setting, Swing State, Heat Reclaim Ventilation function.

(3) If timer or sleeping is set, it will be in OFF state after electrified again; it will memorize all the state before power failure except ON/OFF state.

(4) For easy maintenance, no matter non-volatile memory is valid or invalid, malfunction record will be remembered.

Communication Malfunction of Wired Controller

If there is no communication between wired controller and indoor unit for 4 minutes, it will display error code "07" when checking malfunction.

Sensor Malfunction

If the dip switch is set to collect ambient Temp. from wired controller and the sensor can't work normally, it will display error code "01" when checking malfunction.

Temp. Compensation Setting

(1) In OFF state, keep pressing Fan key for 5 seconds, the current temp. compensation value is displayed on the top-right of the screen and flashes. "00" is the default value.

(2) When in celsius system, ambient compensation value is -04~+04, while in fahrenheit system, ambient compensation value being -07~+07. The temp. compensation value can be adjusted by pressing ▼▲ .

(3) After adjustment, press Set key to confirm the setting.

(4) The compensation value is used for ambient temp..

(5) The compensation value is valid only in the state of collecting ambient temp. of wired controller.

Forced Cooling/ Heating

(1) Powered off in cooling mode, keep pressing "ON/OFF" key for 10 seconds, it will enter into the forced cooling function, and the cooling mode icon will be displayed on the interface. "LL" is flashing in the temp. area at the same time. Press "ON/OFF" key to power off and exit forced cooling.

(2) Powered off in heating mode, keep pressing "ON/OFF" key for 10 seconds, it will enter into the forced heating function, and the heating mode icon will be displayed on the interface, "HH" is flashing in the temp. area at the same time. Press "ON/OFF" key to power off and exit forced heating.

(3) All the keys are invalid except "ON/OFF" key under forced cooling/heating mode, which can be cancelled by powering off manually or receiving "trial operation" finished order from the communication. The former one can operate power off directly while the later one will make the controller do by following the order.

17.2 Wired Controller Wiring Instruction
Wiring Connections of Wire Controller
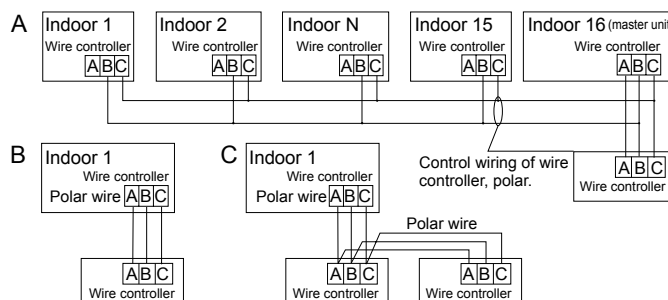
There are three methods to connect wired controller with the indoor units

A. One wired controller can control max. up to 16 sets of indoor units, and 3 pieces of polar wire must connect the wire controller and the master unit (the indoor unit connected with wire controller directly), the others connect with the master unit through 2 pieces of polar wire.

B. One wire controller controls one indoor unit, and the indoor unit connects with the wire controller through 3 pieces of polar wire.

C. Two wired controllers control one indoor unit. The wired controller connected with indoor unit is called master one, the other is called slave one. Master wired controller and indoor unit; master and slave wire controllers are all connected through 3 pieces of polar wire.

Communication wiring

Communication wiring length (m)	Dimensions of wiring
< 100	0.3mm^{2}x3-core shielded wire
≥100 and <200	0.5mm^{2}x3-core shielded wire
≥200 and <300	0.75mm^{2}x3-core shielded wire
≥300 and <400	1.25mm^{2}x3-core shielded wire
≥400 and <500	2mm^{2}x3-core shielded wire

*One side of the shielded sheet of communication wire must be earthed.

1. First, put communication wire through the hole in the back cover.

Press this button to open the back cover of the wired controller.
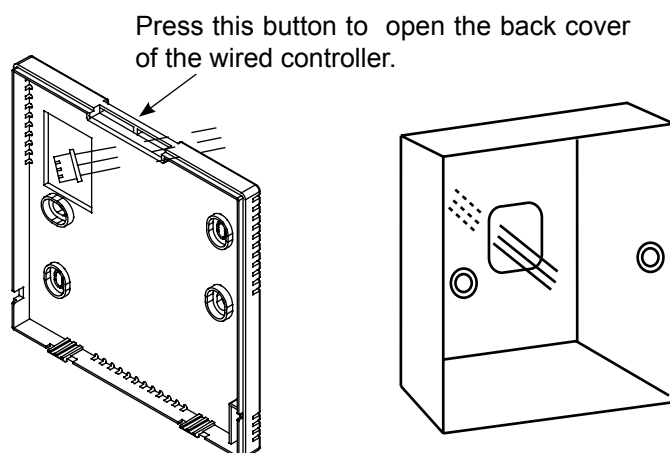
2. Fix back cover to the holder. After that, connect communication wire to CON1 port of wired controller. Finally put the front cover of wired controller to back cover to complete the installation.
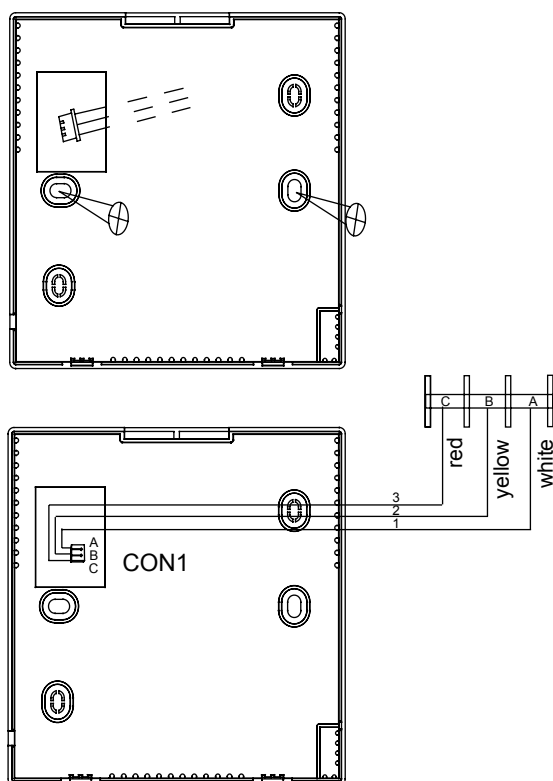
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