Battery

1) Type: AAA.R03
2) Quantity: 2 pieces

Disposal Requirements

The batteries supplied with the controller are marked with this symbol.

This means that the batteries shall not be mixed with unsorted household waste.

If a chemical symbol is printed beneath the symbol, this chemical symbol means that the battery contains a heavy metal above a certain concentration.

Possible chemical symbols are:
■ Pb: lead (>0,004%)

Waste batteries must be treated at a specialized treatment facility for re-use. By ensuring correct disposal, you will help to prevent potential negative consequences for the environment and human health. Please contact your local authority for more information.

Pile

1) Type: AAA.R03
2) Quantité: 2 pièces

Instructions d'élimination

Les piles fournies avec le contrôleur sont marquées de ce symbole.

Il signifie que les piles doivent être éliminées séparément des ordures ménagères non triées.

Si un symbole chimique est imprimé sous ce symbole, il signifie que la pile contient un métal lourd au-delà d'une certaine concentration.

Symboles chimiques possibles:
■ Pb: plomb (>0,004%)

Les piles usagées doivent être traitées par une usine de traitement spécialisée dans le recyclage. À travers une mise au rebut correcte, vous contribuez à éviter les conséquences potentiellement néfastes pour l'environnement et la santé humaine. Veuillez contacter votre autorité locale pour plus d'informations.

Batterie

1) Typ: AAA.R03
2) Menge: 2 Stück

Vorschriften zur Entsorgung

Die mit dem Steuergerät mitgelieferten Batterien sind mit diesem Symbol gekennzeichnet.

Das bedeutet, dass die Batterien nicht im unsortierten Hausmüll entsorgt werden dürfen.

Befindet sich unter dem Symbol ein chemisches Symbol, so bedeutet dieses chemische Symbol, dass die Batterie Schwermetall oberhalb einer bestimmten Konzentrationsgrenze enthält.

Mögliche Symbole für Chemikalien:
■ Pb: Blei (>0,004%)

Leere Batterien werden in einer speziellen Aufbereitungsanlage verarbeitet. Mit einer korrekten Entsorgung helfen Sie, möglichen negativen Folgen für die Umwelt und die menschliche Gesundheit vorzubeugen. Fragen Sie Ihre Behörde vor Ort nach weiteren Informationen.

Batterij

1) Type: AAA.R03
2) Hoeveelheid: 2 Stuks

Vereisten voor het opruimen

De batterijen, die met de bediening meegeleverd werden, zijn met dit symbool gekenmerkt.

Dit betekent, dat de batterijen niet samen met ongesorteerd huisafval verwijderd mogen worden.

Indien beneden het symbool een chemisch symbool gedrukt is, betekent dit, dat de batterij een zwaar metaal bevat boven een bepaalde concentratie.

Mogelijke chemische symbolen:
■ Pb: lood (>0,004%)

Afvalbatterijen moeten in een special behandelingsbedrijf voor hergebruik bewerkt worden. Door voor een correcte afvalverwijdering te zorgen, draagt u ertoe bij, potentiële negatieve consequenties voor milieu en volksgezondheid te vermijden. Neem a.u.b. contact op met uw plaatselijke instanties voor meer informaties.

Batería

1) Tipo: AAA.R03
2) Cantidad: 2 piezas

Requisitos para la eliminación

Las baterías suministradas con el controlador están marcadas con este símbolo.

Esto significa que las baterías no se deben mezclar con los desechos del hogar no clasificados.

Si un símbolo químico está impreso abajo del símbolo, este símbolo químico significa que la batería contiene un metal pesado sobre una cierta concentración.

Estos son los posibles símbolos químicos:
■ Pb: plomo (>0,004%)

Las baterías gastadas deben ser tratadas en una instalación de tratamiento especializada para volver a usarlas. Al asegurar la eliminación correcta de estas baterías, ayudará a evitar consecuencias negativas potenciales para el ambiente y la salud humana. Comuníquese con su autoridad local para obtener más información.

Батарея

1) Тип: AAA.R03
2) Количество: 2 штуки

Утилизация отходов

На батареи, которые входят в комплект поставки контроллера, нанесен данный символ.

Это означает, что батареи нельзя утилизировать вместе с несортированными бытовыми отходами.

Если ниже символа нанесен знак химического элемента, он означает, что в батарее содержатся тяжелые металлы выше определенной концентрации.

Встречающиеся химические знаки:
■ Pb: свинец (>0,004%)

Утилизируемые батареи должны перерабатываться на специальном перерабатывающем предприятии для их повторного использования. Обеспечив правильную утилизацию, Вы поможете предотвратить потенциальные негативные последствия для окружающей среды и здоровья людей. Для получения дополнительной информации, пожалуйста, обратитесь в местные органы власти.

Pil

1) Tip: AAA.R03
2) Miktar: 2 adet

Bertaraf gereksinimleri

Kumandayla birlikte verilen piller bu sembolle işaretlenmiştir.

Bu, pillerin sınıflandırılmamış ev atığı olarak karıştırılmaması gerektiği anlamına gelir.

Sembolün altında bir kimyasal sembol varsa, bu kimyasal sembol pilin belirli bir konsantrasyonun üstünde ağır bir metal içerdiği anlamına gelir.

Olası kimyasal semboller şunlardır:
■ Pb: kurşun (>% 0,004)

Atık piller yeniden kullanım için özel bir işlem tesisinde işlemden geçirilmelidir. Doğru atılmasını sağlayarak çevre ve insan sağlığı için olası olumsuz sonuçların önlenmesine yardımcı olacaksınız. Daha fazla bilgi için lütfen yerel makamlarla temasa geçiniz.

Μπαταρία

1) Τύπος: AAA.R03
2) Ποσότητα: 2 τεμάχια

Προϋποθέσεις απόρριψης

Οι μπαταρίες που συνοδεύουν το χειριστήριο φέρουν αυτό το σύμβολο.

Αυτό σημαίνει ότι οι μπαταρίες δεν θα ανακατευτούν με αδιάλεχτα οικιακά απόβλητα.

Αν ένα χημικό σύμβολο είναι τυπωμένο κάτω από το σύμβολο, τότε αυτό το χημικό σύμβολο σημαίνει ότι η μπαταρία περιέχει βαρύ μέταλλο πάνω από ορισμένη συγκέντρωση.

Πιθανά χημικά σύμβολα είναι:
■ Pb: μόλυβδος (>0,004%)

Η επεξεργασία των απόβλητων μπαταριών πρέπει να γίνεται σε ειδικό εργοστάσιο επαναχρησιμοποίησης. Διασφαλίζοντας τη σωστή απόθεση, θα βοηθήσετε στην αποφυγή πιθανών αρνητικών συνεπειών για το περιβάλλον και την ανθρώπινη υγεία. Παρακαλώ επικοινωνήστε με την τοπική αρχή για περισσότερες πληροφορίες.

Bateria

1) Tipo: AAA.R03
2) Quantidade: 2 peças

Requisitos para a eliminação

As baterias fornecidas com o controlador estão marcadas com este símbolo.

Isto significa que as baterias não devem ser misturadas com o lixo doméstico.

Se um símbolo químico está impresso abaixo do símbolo, significa que a bateria contém um metal pesado com uma certa concentração.

Possíveis símbolos de produtos químicos:
■ Pb: chumbo (>0,004%)

A eliminação de baterias deve ser tratada em instalações de tratamento especializadas para reutilização. Ao assegurar-se da correcta eliminação, você está a ajudar a prevenir potenciais consequências negativas para o ambiente e para a saúde humana. Por favor contacte as autoridades locais para mais informações.

Batteria

1) Tipo: AAA.R03
2) Quantità: 2 pezzi

Istruzioni per lo smaltimento   [Per dell Unione europea (EU) solo]

Le batterie fornite con il comando a distanza sono contrassegnate da questo simbolo.

Ciò vuol dire che le batterie non devono essere mischiate nei rifiuti domestici non separati.

Se un simbolo chimico è stampato sotto all'immagine, esso vuol dire che le batterie contengono un metallo pesante che supera una determinata concentrazione.

I simboli chimici possibili sono:
■ Pb: piombo (>0,004%)

I rifiuti costituiti da batterie devono essere portati presso strutture di trattamento specializzate adibite al loro riutilizzo. Adottando la corretta procedura di smaltimento, contribuirete ad evitare effetti negativi potenziali sull'ambiente e sulla salute umana. Per maggiori informazioni, rivolgersi all'autorità locale.

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ARCWB Controller Indication

NO	KEY	FUNCTION
1.	MODE	Select operating Modes control (Cool/ Heat/ Auto/ Dry/ Fan)
2.	TURBO	Activate/deactivate Turbo function
3.	SWING	Activate/deactivate Swing control Hold Key to change Swing Mode
4.	QUIET	Activate/deactivate Quiet function
5.	SET TEMP UP	Increase set temperature in °C or °F
6.	SET TEMP DOWN	Decrease set temperature in °C or °F
7.	SLEEP	Activate/deactivate Sleep function
8.	OFF TIMER	Enable/disable the Event 1 and 2 OFF TIMER setting mode
9.	ON TIMER	Enable/disable the Event 1 and 2 ON TIMER setting mode
10.	DELAY TIMER	Activate/deactivate delay timer
11.	FAN	Select Fan speeds control (Auto/ High/ Med/ Low)
12.	ON/OFF	On/Off the unit with overriding all the timer settings
13.	REAL TIME CLOCK (RTC)	Enable/disable the Real Time Clock (RTC) setting mode

NOTE:
Turbo and quiet function are for selected models only.

OPERATING INSTRUCTION

1.1 MODE Button

Press the MODE button to switch operation from COOL, HEAT*, AUTO*, DRY*, FAN. Check the display to see in which mode the control is set. *HEAT, AUTO and DRY are available for selected models only.

1.2 TURBO Fan Speed

Press the TURBO key once to activate Turbo fan speed. Turbo symbol will be shown. To disable Turbo fan speed and back to previous fan speed, press the Turbo key once again. If user presses the FAN button or QUIET button or turn off the unit, the turbo speed will be disabled. This speed is only valid during COOL and HEAT mode for selected models.

1.3 Automatic air swing

• Press the **SWING** ⟳ button to activate the automatic air swing function.
• To distribute the air to a specific direction, press the **SWING** ⟳ button and wait until the louver move to the desired direction and press the button once again.

Swing mode selection method (for cassette E model)

• Press **SWING (⟳)** button for 4 seconds to enter field setting mode. While in field setting mode, it will only show **SWING MODE (⤳)**.
• Press temperature ▲ and ▼ button to select **SWING MODE (⤳)** rotation from Swing Mode 1 to Swing Mode 3.
• There are 3 different **SWING MODE**, which are:

⤳   ⤡   ⤢

Swing mode 1   Swing mode 2   Swing mode 3

SWING MODE will not activate unless **SWING** is activated.

Swing is indicated by the logo: ⟳

• If no mode changes within 4 seconds, unit will operate according to the selected **SWING MODE (⤳)**.

1.4 QUIET Fan Speed

Press the QUIET key once to activate Quiet fan speed. QUIET symbol will be shown. To disable Quiet fan speed and back to previous fan speed, press the QUIET key again. If user presses the FAN button or TURBO button or turn off the unit, the quiet speed will be disabled. This speed is only valid during COOL and HEAT mode for selected models.

1.5 "▲" or "▼" Set Temperature Button

Press the temperature button and set the temperature of your choice by pressing "▲" or "▼" button once, temperature changes by 1°C or 1°F. The default temperature setting range is from 16°C to 30°C (60°F to 86°F). When the Option 20 - 30ºC is set, the temperature range limit is set to 20ºC to 30ºC (68°F to 86°F). Pressing both keys simultaneously will toggle the temperature setting between ºC and ºF. No temperature setting is allowed during FAN mode (No set temp display). There is no room temperature display.

1.6 SLEEP Function

Press the SLEEP button to activate the sleep mode. SLEEP function is not available in DRY mode and FAN mode.

1.7 "ON TIMER" and **"OFF TIMER"**

The unit has 2-event timer, namely Timer 1 and Timer 2, each event has an ON TIMER and an OFF TIMER. The key press activity for Timer ON and Timer OFF is shown on Table 1.1

1

Table 1.1: Timer ON and Timer OFF key press and event sequence.

TIMER ON KEY		TIMER OFF KEY	
ON Timer 1	**ON Timer 2**	**OFF Timer 1**	**OFF Timer 2**
Deactivated	Deactivated	Deactivated	Deactivated
Activated	Deactivated	Activated	Deactivated
Deactivated	Activated	Deactivated	Activated
Activated	Activated	Activated	Activated

All timers are event-triggered timers and can be overridden by the ON/OFF button and Override function.

Set Event 1 and Event 2 Timers

Process for Timer ON and Timer OFF is the same.

1. Press and hold Timer ON/OFF key for 3 seconds to go into timer setting mode.
   (Icon ON 1 or OFF 1 will blink)
2. Press UP or DOWN to select Timer 1 or Timer 2 to set.
   ('1' blinking indicate that Timer 1 is currently selected, '2' blinking indicate that Timer 2 is currently selected)
3. Press Timer ON/OFF key again to confirm. (Day will blink next)
4. Press UP or DOWN to select the day.
5. Press Timer ON/OFF key again to confirm the day. (Hour will blink next)
6. Press UP or DOWN to change the hour.
7. Press Timer ON/OFF key again to confirm the hour. (Minute will blink next)
8. Press UP or DOWN to change the minute.
9. Press Timer ON/OFF key again to confirm the minute.

Each timer (Timer 1 ON or Timer 1 OFF or Timer 2 ON or Timer 2 OFF) will only be set separately after all 7 steps, if there is no key operation for 5 seconds during setting the timer, it will automatically exits from setting mode and no changes will be made.

ON/OFF timer will be checked every 1 minute.

It is not advisable to set ON TIMER and OFF TIMER to have same values. Shall these occur, the effective timer will be treated with priority as stated in Table 1.2.

Example:
ON TMR 2 settings: DAY – TUE, TIMER – 5.00pm
OFF TMR 1 settings: DAY – TUE, TIMER – 5.00pm
Outcome when RTC reaches 5.00pm on TUE:
   – when unit is on, no respond.
   – when unit is off, unit will trigger to on.

Table 1.2: Timer Priority

Priority	Timer
1 (Highest)	ONTMR2
2	OFFTMR2
3	ONTMR1
4 (Lowest)	OFFTMR1

Upon IR reception, IR wireless remote controller will override ON TIMER 2 and OFF TIMER 2 settings.

1.8 DELAY TIMER Function

Press the DELAY TIMER key once will activate the delay timer function for 1 hour. An indicator "OVERRIDE" will show on the LCD. Press the same key again will increase the setting to 2 hours. An indicator "OVERRIDE" will be shown. Subsequent press will deactivate the delay timer function. After the delay timer is completed, the delay timer function is deactivated and the logo is OFF. All other timers will be resumed.

1.9 FAN Speed Function

Fan speed can be changed via pressing the FAN key:

Low > Med > High > Auto >

*FAN speed is not available in DRY mode.

1.10 ON/OFF Button

Starting Operation:
– Press the ON/OFF button, the LCD will show full display and the unit is turned on.

Stopping Operation:
– Press the ON/OFF button, the LCD will show real time clock only and the unit is turn off.

1.11 Power up Settings

The unit will start up with main board's last state setting during power up. If last state information is not available, the unit will use the default settings. The default settings are as below:

Unit:	Off
Mode:	Cool
Fan Speed:	High
RTC:	12:00AM, MONDAY
Swing:	Off
Swing Mode:	Standard
Timers:	Disable
Turbo:	Disable
Quiet:	Off
Sleep:	Off
Override:	Disable

1.12 Real-time Clock (RTC) Display

RTC is shown on screen during the unit ON or OFF except for power failure or error code.

Set RTC Setting
1. Press RTC key one time will activate RTC setting mode. (Day will blink)
2. Press UP or DOWN to select the day.
3. Press RTC again to confirm the day. (Hour will blink next)
4. Press UP or DOWN to change the hour.
5. Press RTC again to confirm the hour. (Minute will blink next)
6. Press UP or DOWN to change the minute.
7. Press RTC again to confirm the minute.

RTC will only be set after all 7 steps, if there is no key operation for 5 seconds during setting the RTC, it will automatically exits from setting mode and no changes will be made on the setting.

1.13 Key Lock

These key lock function inhibits any setting change. Press and hold both TURBO and QUIET keys for 5 seconds will activate/deactivate the key lock function; "KEYLOCK" will be shown/disappear on LCD. Upon all the keys are locked, only ON/OFF, TURBO and QUIET (to unlock) can be pressed.

1.14 Battery Backup

Battery backup is used to retain the RTC and 7-days programmable timer settings during power down for a minimum of 1 month continuous for every new set of battery installed. For unit without battery backup, the default setting will be 12:00am on Monday and timer clear during power up.

1.15 Error Indicator

If any abnormal condition detected, an error code will be shown. Error code is displayed by using RTC segments (blink), which mean whenever there is error occur, RTC will not be shown instead of the error code. The format for the error code will be as following:

DX Error Code

Error Description	
Room Sensor Open or Short	E1
Indoor Coil Sensor Open	E2
Outdoor Coil Sensor Open	E3
Compressor Overload/Indoor Coil Sensor Short/Outdoor Coil Sensor Short	E4
Gas Leak	E5
Water Pump Fault	E6
Outdoor Coil Sensor Exist (MS model)	E7
Hardware Error (Tact Switch Pin Short)	E8
Indoor Fan Feedback Error	E9
EEPROM Error	EE

CW Error Code

Error Description	
Room Sensor Open or Short	E1
Pipe Water Sensor Open or Short	E2
Pipe Water Temperature Poor	E4
Pipe Water Temperature Bad/Fault	E5
Water Pump Error	E6
Hardware Error (Tact Switch Pin Short)	E8
Indoor Fan Feedback Error	E9

Fault Diagnosis (for inverter only)

If there is any abnormal condition detected, ARCWB wired controller will blink the error code

ERROR CODE	MEANING
00	NORMAL
A1	INDOOR PCB ERROR
A3	DRAIN PUMP ABNORMAL
A5	ANTIFREEZE (COOLING)/HEAT EXCHANGER OVERHEAT (HEATING)
A6	INDOOR FAN MOTOR ABNORMAL
AH	ELECTRICAL AIR CLEANER ABNORMAL
C4	INDOOR HEAT EXCHANGER (1) THERMISTOR SHORT/OPEN
C5	INDOOR HEAT EXCHANGER (2) THERMISTOR SHORT/OPEN
C7	LOUVER LIMIT SWITCH ERROR
C9	INDOOR ROOM THERMISTOR SHORT/OPEN

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ERROR CODE	MEANING
E1	OUTDOOR PCB ERROR
E3	HIGH PRESSURE PROTECTION
E4	LOW PRESSURE PROTECTION
E5	COMPRESSOR MOTOR LOCK/COMPRESSOR OVERLOADED
E6	COMPRESSOR START-UP ERROR
E7	OUTDOOR DC FAN MOTOR LOCK
E8	AC INPUT OVER CURRENT
E9	EXV ERROR
EA	4 WAY VALVE ERROR
F3	DISCHARGE PIPE OVERHEAT
F6	HEAT EXCHANGER OVERHEAT
HO	COMPRESSOR SENSOR SYSTEM ERROR
H3	HIGH PRESSURE SWITCH ERROR
H6	COMPRESSOR FEEDBACK DETECTION ERROR
H7	FAN MOTOR OVERLOADED/OVERCURRENT/SENSOR ABNORMAL
H8	AC CURRENT SENSOR ERROR
H9	OUTDOOR AIR THERMISTOR SHORT/OPEN
J1	PRESSURE SENSOR ERROR
J3	COMPRESSOR DISCHARGE PIPE THERMISTOR SHORT/OPEN/MISPLACED
J5	SUCTION PIPE THERMISTOR SHORT/OPEN
J6	OUTDOOR HEAT EXCHANGER THERMISTOR SHORT/OPEN
J7	SUBCOOLING HEAT EXCHANGER THERMISTOR SHORT/OPEN
J8	LIQUID PIPE THERMISTOR SHORT/OPEN
J9	GAS PIPE THERMISTOR SHORT/OPEN
L1	INVERTER OUTDOOR PCB ERROR
L3	OUTDOOR CONTROL BOX OVERHEAT
L4	HEAT SINK OVERHEAT
L5	IPM ERROR/IGBT ERROR
L8	INVERTER COMPRESSOR OVERCURRENT
L9	COMPRESSOR OVERCURRENT PREVENTION
LC	COMMUNICATION ERROR (OUTDOOR CONTROL PCB AND INVERTER PCB)
P1	OPEN PHASE OR VOLTAGE UNBALANCE
P4	HEAT SINK THERMISTOR SHORT/OPEN
PJ	CAPACITY SETTING ERROR
U0	INSUFFICIENT GAS
U2	DC VOLTAGE OUT OF RANGE
U4	COMMUNICATION ERROR
U7	COMMUNICATION ERROR (OUTDOOR CONTROL PCB AND IPM PCB)
UA	INSTALLATION ERROR
UF	PIPING & WIRING INSTALLATION MISMATCH/WRONG WIRING/INSUFFICIENT GAS
UH	ANTIFREEZE (OTHER ROOMS)

2.0 HARDWARE SETTING

The unit has 2 jumpers option to control the board function.

Table 2.0: Summary of Hardware Settings

OPTION	With Jumper	Without Jumper
Set Temp. Range	Set temp. range from 20°C – 30°C	Set temp. range from 16°C – 30°C (Default)
TURBO_QUIET	Disable turbo and quiet fan speed (Default)	Enable turbo and quiet fan speed

* Only applicable to model with built in Turbo or Quiet features.
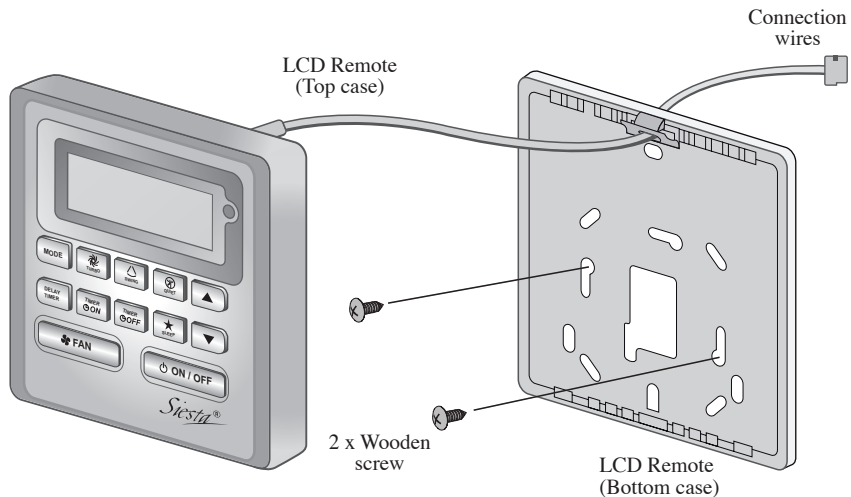
3.0 INSTALLATION

3.1 Accessories

The following accessories are included together with this manual. If any part is missing, contact your dealer immediately.

1. Remote controller
2. Wooden screw (2 pieces) & machine screw (2 pieces)
3. Instruction manual
4. Battery

3.2 Step-by-step guide

I. Open the clip on the top of the controller first follow by the bottom clip. Remove the top case of the controller from the bottom case.

II. Fix the bottom case to the wall with the 2 screw provided. Then insert the connection wire through the slot on the upper center case as shown.

III. Insert back the bottom clip first then snap the upper part shut.

Connection wires

LCD Remote (Top case)

2 x Wooden screw

LCD Remote (Bottom case)

MEMO