

Wall Mounted Split Air Conditioner

User's manual

EN



SENCOR®

SAC 1811CH
SAC 2411CH

Prior to using this air conditioning device, please read the user's manual thoroughly, even in cases, when one has already familiarised themselves with previous use of similar types of appliances. Only use the device in the manner described in this user's manual. Keep the manual for future use.

We recommend saving the original shipping cardboard box, packaging material, receipt and responsibility statement of the vendor or warranty card for the duration of warranty. In the event of transportation, we recommend that you pack the air conditioning device using the original packaging materials only.

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IMPORTANT SAFETY INSTRUCTIONS

- **This appliance may be used by children 8 years of age and older and by persons with physical or mental impairments or by inexperienced persons if they are properly supervised or have been informed about how to use of the product in a safe manner and understand the potential dangers.**
- **Children must not play with the appliance. Cleaning and maintenance performed by the user must not be performed by unsupervised children.**

IMPORTANT SAFETY INSTRUCTIONS READ CAREFULLY AND STORE FOR FUTURE USE

- Do not install the air conditioning device yourself. Have the air conditioning device installed and commissioned by a specialised company or a qualified technician.
- The air conditioning device must be properly grounded in accordance with relevant national norms. If the device is not properly grounded, there is a danger of injury by electrical shock.
- Unprofessional installation presents a risk of injury by electrical shock, fire, release of coolant, etc.
- In the event that the device was not professionally installed, your legal rights arising from unsatisfactory performance or quality warranty may be void due to the fact of an incorrect installation.
- Carefully read these safety instructions before using the air conditioning device. It is necessary that you understand them properly.
- This device must be installed in accordance with norms for electrical installations valid for the country where the device is installed. This device must be installed 2.5 m above the floor.
- This device must not be installed in a laundry.
- Pursuant to national regulations, models with a cooling capacity above 4.6 kW must, when in a fixed wiring connection, have a built-in disconnection of all poles with a min. space of 3 mm and a residual current device (RCD) on all poles with a nominal current of min. 10 mA.
- Do not damage the power cord or extend it in any way, you could cause a short circuit and subsequently a fire or expose yourself to a risk of electrical shock.
- Do not expose yourself to the direct effect of a cold air current for a long time. Do not cool or heat a room excessively. This could lead to health problems.
- Do not put appliances used for cooking in places where they could be under the direct effect of air flow from the air conditioner as this could affect cooking quality.
- Do not use the following substances for cleaning: chemical solvents, insecticides, flammable powder substances, which could damage the surface of the air conditioner. Do not spray the indoor unit with water.
- Before you turn on the air conditioning device, check that doors and windows are closed (for effective cooling we also recommend that you close curtains and blinds). If necessary, allow the room to ventilate for a short time.
- If you notice anything unusual, e.g. a burning smell, immediately turn off the air conditioner and the relevant circuit breaker.
- Do not install the air conditioning device in locations where flammable gasses are emitted. In the event that an electrical discharge occurs in the air conditioning device, an explosion or fire may easily result.
- Do not use this device for special purposes, e.g. in locations where fine mechanics, food, paintings, etc. are stored. These products require a certain humidity and temperature and so their quality could be negatively affected.
- Do not use the air conditioning device in the COOL/DRY mode for too long when there is a high level of air humidity (above 80%) otherwise condensation water may drip from the air conditioning device.
- Never insert your fingers or any other items into the air inlets or outlets. Inside the unit there is a rotating fan, which could cause you injuries or could be damaged.
- Do not install, repair or move the air conditioning device yourself. Incorrect handling exposes you to the risk of a fire, electric shock, and if the device comes loose then it may cause injuries. Contact a specialised company which installs and repairs air conditioning devices.
- If the power cord is damaged, have it replaced at a professional service centre. It is forbidden to use the device if it has a damaged power cord.

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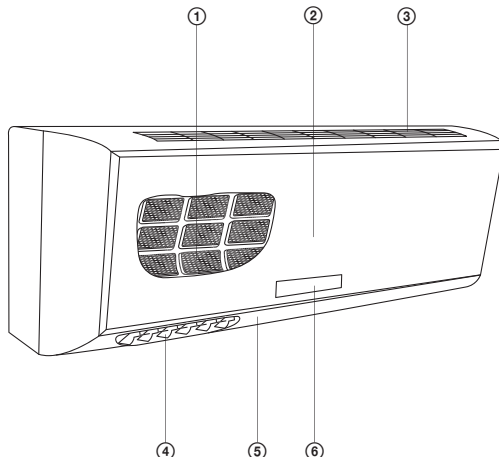
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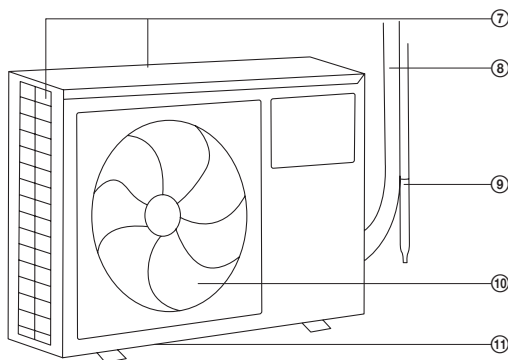
DESCRIPTION OF THE AIR CONDITIONING DEVICE

A

Indoor unit



Outdoor unit



- ① Filter
- ② Front panel
- ③ Air inlet
- ④ Horizontal air flow control flaps
- ⑤ Vertical air flow control flap
- ⑥ Display

- ⑦ Air inlet
- ⑧ Connecting pipe
- ⑨ Water drain hose
- ⑩ Air outlet
- ⑪ Water drain opening

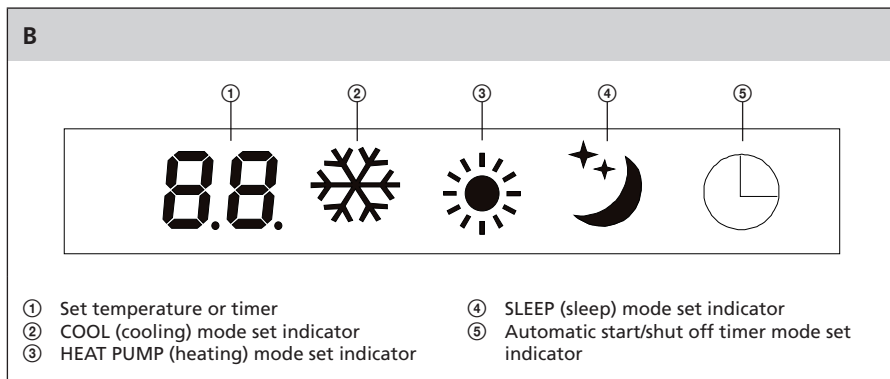


Note:

The pictures are for illustration purposes only and may differ from the actual design of the product.

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DESCRIPTION OF THE DISPLAY



Note:

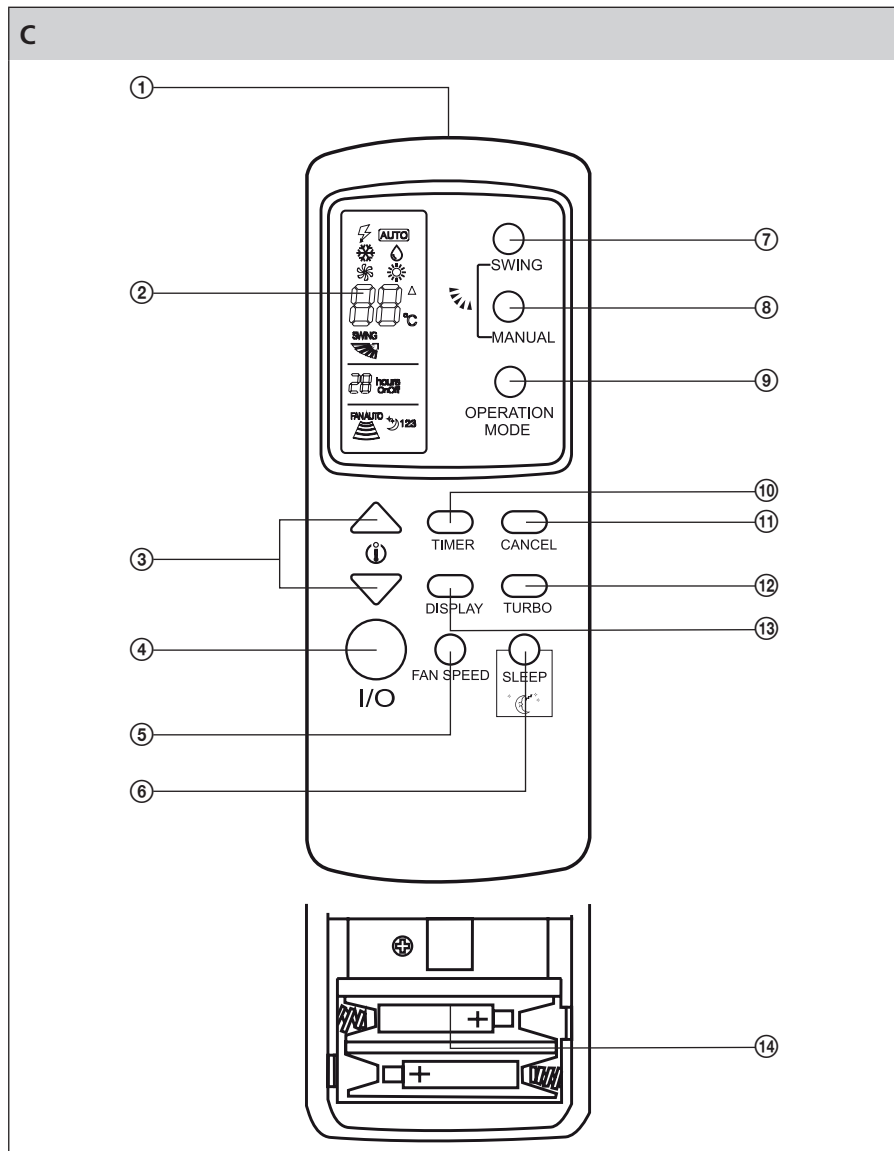
The LED display is located on the indoor unit of the air conditioning device.

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DESCRIPTION OF THE REMOTE CONTROL











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- ① **Signal transmitter**
Sends signals to the indoor unit.
- ② **Display**
Shows the current settings.
- ③ **Temperature setting buttons**
Press Δ once to increase the temperature setting by 1 °C. Press ∇ once to decrease the temperature setting by 1 °C. The temperature temperature settings range is 16-31 °C.
- ④ **I/O button**
Press this button to turn on/off the air conditioning device.
- ⑤ **FAN SPEED button**
Press this button to change the fan speed in the following sequence:
low–medium–high–automatic ( →  →  → AUTO).
- ⑥ **SLEEP button**
Press this button to set the SLEEP mode.
- ⑦ **SWING button**
Press this button to change the vertical air flow direction (up/down).
In this mode the plate will automatically move up and down.
- ⑧ **MANUAL button**
Press this button to change the vertical air flow direction (up and down) and the plate will be tilted at a certain angle. You can gradually set the plate to the following positions:
→ (1) → ↘ (2) → ↙ (3) → ↗ (4) → ↑ (5).
- ⑨ **OPERATION MODE button**
Press this button to select an operating mode:  (automatic),  COOL (cooling),
 HEAT (heating – only for models with a heat pump),  FAN (fan),  DRY (drying).
- ⑩ **TIMER button**
See chapter "Automatic Timer Controlled On/Off Operation".
- ⑪ **CANCEL button**
See chapter "Automatic Timer Controlled On/Off Operation".
- ⑫ **TURBO button**
Press this button to start the TURBO mode. Press this button again to turn off the TURBO mode.
- ⑬ **DISPLAY button**
Press this button to turn off the display on the indoor unit of the air conditioner.
Press this button again to turn on the display.
- ⑭ **Battery compartment**
Open battery compartment cover. Place two AAA/LR03 (2 x 1.5V) alkaline batteries into the battery compartment and close the cover.



Note:

For proper operation the distance from the remote control to the indoor unit must not be greater than 6m and there must not be any obstacles in the direction of the signal.
To make description and explanation easier we have displayed all the symbols on the image of the remote control.

AUTOMATIC TIMER CONTROLLED ON/OFF OPERATION

Setting the AUTOMATIC TIMER CONTROLLED ON/OFF OPERATION mode

1. Setting up the automatic shut off mode

First check that the air conditioning device is on. Press the TIMER button to activate the automatic shut off settings. "1 hour" will appear on the display. Each time the TIMER button is pressed the automatic shut off time is extended by 1 hour (up to a maximum of 24 hours). The set time will be shown on the display. The time remaining until the automatic shut off is updated on the display every hour. Once the set time has elapsed the air conditioning device will shut itself off.



Note:

If you wish to end the automatic shut off function, repeatedly press the TIMER button until "24 hours" appears on the display and then once more to end this function.

2. Setting up the automatic start function (delayed start)

First check that the air conditioning device is off. Press the TIMER button to activate the automatic start settings. "1 hour" will appear on the display. Each time the TIMER button is pressed the automatic start time is extended by 1 hour (up to a maximum of 24 hours). The set time will be shown on the display. The time remaining until the automatic start is updated on the display every hour. Once the set time has elapsed the air conditioning device will turn itself on.



Note:

If you wish to end the automatic start function, repeatedly press the TIMER button until "24 hours" appears on the display and then once more to end this function.

Canceling the AUTOMATIC TIMER CONTROLLED ON/OFF OPERATION mode

The automatic start/shut off can be cancelled in two ways:

1. Repeatedly press the TIMER button until "24 hours" appears on the display and then once more to end the timer setting. The time information on the display will turn off.
2. Press the CANCEL button at any time to cancel the timer setting. The time information on the display will turn off.



Note:

After an electrical power outage it is necessary to setup the AUTOMATIC START/SHUT DOWN mode again.

If you set the time for the AUTOMATIC START/SHUT DOWN and you wish to change this time, it is necessary to cancel the previous START/SHUT DOWN setting and to set a new time.

If you set the time of the AUTOMATIC START/SHUT DOWN and then accidentally press the TIMER button, the timer will start to countdown the time again based on the time shown on the display at the time.

SETTING THE OPERATING MODE

1. AUTO mode (automatic mode)

In this mode the air conditioner automatically adjusts the temperature setting to achieve the most optimal room temperature. After being turned on, the air conditioner will automatically select an operating mode based on the room temperature. The following table shows the conditions set when put into operation.

Room temperature (RT)	Air conditioning unit without a heat pump		Air conditioning unit with a heat pump	
	Mode	Default temperature setting	Mode	Default temperature setting
RT ≥ 26 °C	COOL (cooling)	24 °C	COOL (cooling)	24 °C
26 °C > RT ≥ 25 °C		RT – 2 °C		RT – 2 °C
25 °C > RT ≥ 23 °C	DRY (drying)	RT – 2 °C	DRY (drying)	RT – 2 °C
RT < 23 °C		21 °C	HEAT (heating)	26 °C

2. COOL mode (cooling)

Press the MANUAL or SWING button to change the vertical air flow direction (up/down).

Press the FAN SPEED button to change the speed of the indoor unit.

Press the temperature setting button to change the temperature setting.

3. DRY mode (drying)

In this mode the air conditioner automatically sets the room temperature, the set room temperature is not shown on the display.

The temperature settings and FAN SPEED buttons are disabled.

Press the MANUAL or SWING button to change the vertical air flow direction (up/down).

4. FAN mode (fan)

In this mode the outdoor unit is not turned on. Only the fan inside the indoor unit operates.

Press the MANUAL or SWING button to change the vertical air flow direction (up/down).

Press the FAN SPEED button to change the speed of the indoor unit.


5. HEAT mode (heating) – only for air conditioning devices with a heat pump

Press the MANUAL or SWING button to change the vertical air flow direction (up/down).

Press the FAN SPEED button to change the speed of the indoor unit.

Press the temperature setting button to change the temperature setting.

6. TURBO function

This function makes it possible to increase the cooling or heating power (only on models with a heat pump). If the air conditioning unit is running in the cooling or heating mode, press the TURBO button to activate this function. The symbol  will appear on the display of the remote control. The fan speed is controlled automatically. The air conditioning unit cannot be controlled. Press the TURBO button again to turn off this function. After the TURBO function is ended, the fan is set to a low speed.



Note:

The TURBO function can only be activated in the cooling or heating mode.

The use of the TURBO mode increases the noise level of the air conditioning unit.

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7. SLEEP mode (sleep)

7.1 SLEEP mode

Press the SLEEP button once to set the SLEEP mode.

- 7.1.1 If the air conditioning unit is running in the cooling or drying mode, the fan in the indoor unit will be set to low speed. After one hour in the SLEEP mode, the set temperature will increase by 1 °C. After another hour of operation the set temperature will again increase by 1 °C. The air conditioning unit will continue to run at a temperature that is 2 °C higher than was set initially.
- 7.1.2 If the air conditioning unit is running in the heating mode (only on models with a heat pump), the fan in the indoor unit will be set to low speed. After one hour in the SLEEP mode, the set temperature will decrease by 2 °C. After another hour of operation the set temperature will again decrease by 2 °C. The air conditioning unit will continue to run at a temperature that is 4 °C lower than was set initially.

7.2 SLEEP 1 mode

Press the SLEEP button twice to set the SLEEP 1 mode.

- 7.2.1 If the air conditioning unit is running in the cooling or drying mode and the temperature is set in the range 16-23 °C then during the first three hours of the SLEEP 1 mode the temperature will increase by 1 °C in each hour. The air conditioning unit will then operate at a temperature that is 3 °C higher than the initially set temperature. After a further 8 hours of operation the temperature will decrease by 2 °C. The air conditioning unit will continue running at this temperature.
- 7.2.2 If the air conditioning unit is running in the cooling or drying mode and the temperature is set in the range 24-27 °C then during the first three hours of the SLEEP 1 mode the temperature will increase by 1 °C in each hour. The air conditioning unit will then operate at a temperature that is 2 °C higher than the initially set temperature. After a further 8 hours of operation the temperature will decrease by 2 °C. The air conditioning unit will continue running at this temperature.
- 7.2.3 If the air conditioning unit is running in the cooling or drying mode and the temperature is set in the range 28-31 °C then the air conditioning unit will continue running at the set temperature.
- 7.2.4 If the air conditioning unit is running in the heating mode (only on models with a heat pump) and the temperature is set in the range 16-18 °C then the air conditioning unit will continue running at the set temperature.
- 7.2.5 If the air conditioning unit is running in the heating mode (only on models with a heat pump) and the temperature is set in the range 19-25 °C then during the first three hours of the SLEEP 1 mode the temperature will decrease by 1 °C in each hour. The air conditioning unit will then operate at a temperature that is 2 °C lower than the initially set temperature. After a further 8 hours of operation the temperature will increase by 2 °C. The air conditioning unit will continue running at this temperature.
- 7.2.6 If the air conditioning unit is running in the heating mode (only on models with a heat pump) and the temperature is set in the range 26-31 °C then during the first three hours of the SLEEP 1 mode the temperature will decrease by 1 °C in each hour. The air conditioning unit will then operate at a temperature that is 3 °C lower than the initially set temperature. After a further 8 hours of operation the temperature will increase by 2 °C. The air conditioning unit will continue running at this temperature.

7.3 SLEEP 2 mode

Press the SLEEP button three times to set the SLEEP 2 mode.

- 7.3.1 If the air conditioning unit is running in the cooling or drying mode and the temperature is set in the range 16-23 °C then during the first three hours of the SLEEP 2 mode the temperature will increase by 1 °C in each hour. The air conditioning unit will then operate at a temperature that is 3 °C higher than the initially set temperature. After a further 7 hours of operation the temperature will decrease by 1 °C. The air conditioning unit will continue running at this temperature.
- 7.3.2 If the air conditioning unit is running in the cooling or drying mode and the temperature is set in the range 24-27 °C then during the first three hours of the SLEEP 2 mode the temperature will increase by 1 °C in each hour. The air conditioning unit will then operate at a temperature that is 2 °C higher than the initially set temperature. After a further 7 hours of operation the temperature will decrease by 1 °C. The air conditioning unit will continue running at this temperature.
- 7.3.3 If the air conditioning unit is running in the cooling or drying mode and the temperature is set in the range 28-31 °C then the air conditioning unit will continue running at the set temperature.
- 7.3.4 If the air conditioning unit is running in the heating mode (only on models with a heat pump) and the temperature is set in the range 16-18 °C then the air conditioning unit will continue running at the set temperature.
- 7.3.5 If the air conditioning unit is running in the heating mode (only on models with a heat pump) and the temperature is set in the range 19-25 °C then during the first three hours of the SLEEP 2 mode the temperature will decrease by 1 °C in each hour. The air conditioning unit will then operate at a temperature that is 2 °C lower than the initially set temperature. After a further 7 hours of operation the temperature will increase by 1 °C. The air conditioning unit will continue running at this temperature.
- 7.3.6 If the air conditioning unit is running in the heating mode (only on models with a heat pump) and the temperature is set in the range 26-31 °C then during the first three hours of the SLEEP 2 mode the temperature will decrease by 1 °C in each hour. The air conditioning unit will then operate at a temperature that is 3 °C lower than the initially set temperature. After a further 7 hours of operation the temperature will increase by 1 °C. The air conditioning unit will continue running at this temperature.

7.4 SLEEP 3 mode

Press the SLEEP button four times to set the SLEEP 3 mode.

- 7.4.1 If the air conditioning unit is running in the cooling or drying mode and the temperature is set in the range 16-23 °C then during the first three hours of the SLEEP 3 mode the temperature will increase by 1 °C in each hour. The air conditioning unit will then operate at a temperature that is 3 °C higher than the initially set temperature.
- 7.4.2 If the air conditioning unit is running in the cooling or drying mode and the temperature is set in the range 24-27 °C then during the first three hours of the SLEEP 3 mode the temperature will increase by 1 °C in each hour. The air conditioning unit will then operate at a temperature that is 2 °C higher than the initially set temperature.
- 7.4.3 If the air conditioning unit is running in the cooling or drying mode and the temperature is set in the range 28-31 °C then the air conditioning unit will continue running at the set temperature.

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- 7.4.4 If the air conditioning unit is running in the heating mode (only on models with a heat pump) and the temperature is set in the range 16-18 °C then the air conditioning unit will continue running at the set temperature.
- 7.4.5 If the air conditioning unit is running in the heating mode (only on models with a heat pump) and the temperature is set in the range 19-25 °C then during the first three hours of the SLEEP 3 mode the temperature will decrease by 1 °C in each hour. The air conditioning unit will then operate at a temperature that is 2 °C lower than the initially set temperature.
- 7.4.6 If the air conditioning unit is running in the heating mode (only on models with a heat pump) and the temperature is set in the range 26-31 °C then during the first three hours of the SLEEP 3 mode the temperature will decrease by 1 °C in each hour. The air conditioning unit will then operate at a temperature that is 3 °C lower than the initially set temperature.



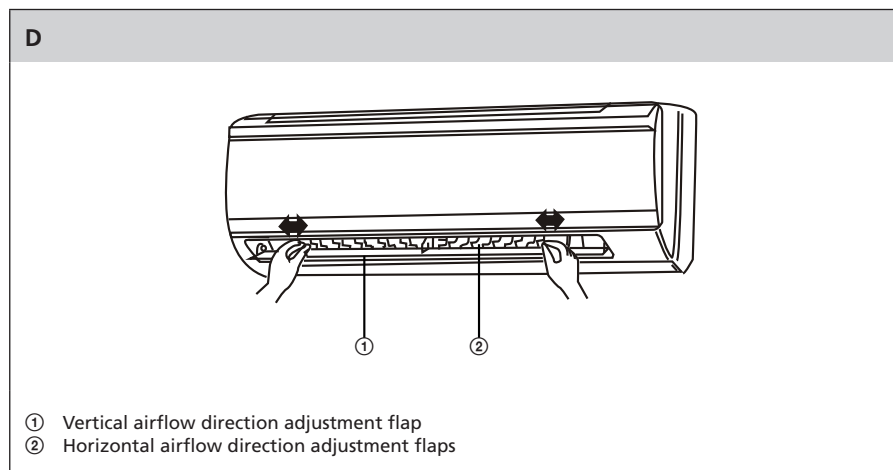
Note:

If you will not be using the remote control for an extended period of time, remove the batteries.


If the remote control is not working properly, take out the batteries and reinsert them after some time. When inserting the batteries ensure the correct polarity as shown in the battery compartment.

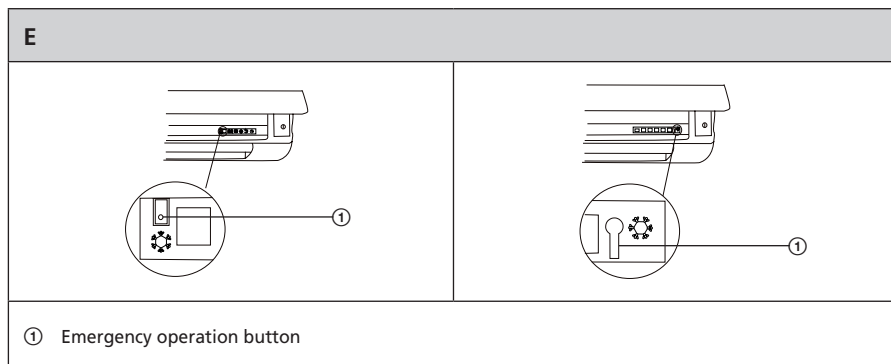
TILTING THE HORIZONTAL AIR FLOW DIRECTION ADJUSTMENT FLAPS

If the air conditioning device is in operation then turn it off using the remote control. Manually open the vertical airflow direction adjustment flap **D①** so that it is stopped in the top position. To tilt the horizontal airflow direction adjustment flaps **D②** hold their ends with your fingers and tilt them to the left or to the right as necessary. Never adjust the horizontal airflow adjustment flaps **D②**, if the air conditioning device is in operation.



EMERGENCY OPERATION BUTTON

Use the emergency operation button  in the event that the battery in the remote control goes flat or if the remote control malfunctions.



Note:

Even if the location of the emergency operation button may differ depending on the model of the air conditioning device, its designation is the same on all models.

Cooling only model

Whenever the button is pressed the setting is changed in the sequence COOL → STOP.

Model with a heat pump

Whenever the button is pressed the setting is changed in the sequence COOL → HEAT → STOP.

The following table shows conditions – set temperature, fan speed, and the flap setting during emergency operation.

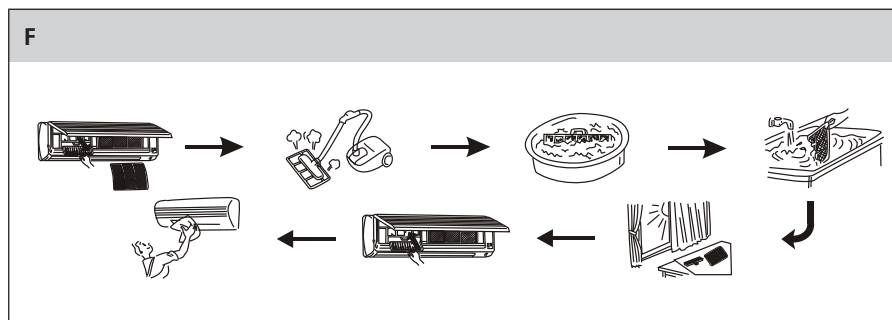
Mode	Set temperature	Fan speed	Flap D①
Cooling	24 °C	High	It is moving
Heating	24 °C	High	It is moving

CLEANING AND MAINTENANCE

- Turn off the air conditioning device and disengage the respective circuit breaker before cleaning.
- Clean the front panel and filters in the indoor unit regularly, i.e. at least once every two weeks. Make sure that branches, leaves and other material does not accumulate on the outdoor unit. Regularly mechanically clean the outdoor unit with a brush.
- We recommend that once a year you have the indoor unit cleaned (filters and inside area) by a specialised company. For specialised cleaning you may contact the company, which installed the air conditioner.

Cleaning the front panel and filters

1. Open the front cover of the indoor unit. Take out the filters.
2. Using a vacuum cleaner or a fine brush remove dust and dirt from the front panel and from the filters. If the dust cannot be easily removed, wash the filters in lukewarm soapy water.
3. Then rinse in clean water and allow to dry in the shade. Do not expose it to direct sunlight.
4. Return the filters to their initial locations and close the front panel. Check that the filters are thoroughly dry before inserting them into the indoor unit.
5. Wipe the surface of the air conditioning unit using a lightly damp cloth and then wipe dry.

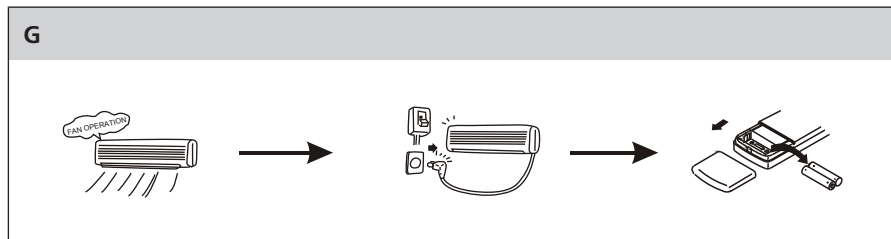


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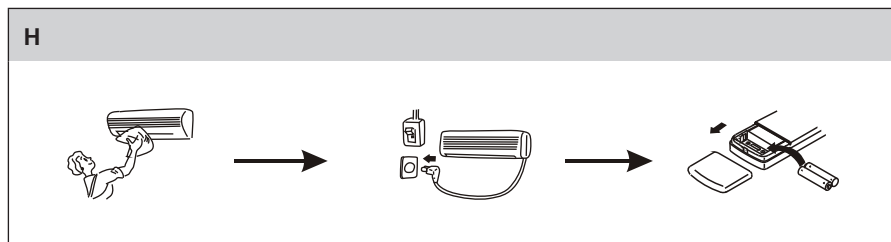
Before putting the air conditioner out of operation for an extended period of time

1. Set the fan to run non-stop for several hours so that the unit is completely dry inside.
2. Turn off the air conditioning device and disengage the respective circuit breaker. Clean the filters and the outer cover.
3. Remove batteries from the remote control.



If you have not used the air conditioner for a long time

1. Clean the filters and return them to their place. Clean the indoor and outdoor unit.
2. Engage the respective circuit breaker.
3. Insert batteries into the remote control.



Note:

The air inlet and outlet must not be blocked or covered.

For cleaning do not use petrol, benzene, solvents, abrasive cleaning powders, insecticides, etc. because they could damage the unit.

Do not disassemble batteries or throw them in a fire.

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TROUBLESHOOTING

The following table is a troubleshooting guide. If you are unable to remedy the problem with the help of the following table, please contact a service centre.

Problem	Analysis of the problem
The air conditioning unit is not working.	<ul style="list-style-type: none">• Has a power outage occurred?• Has the circuit breaker been turned off or has a fuse burned out?• Are there any obstacles or equipment blocking the signal transmitted by the remote control?
The remote control is not working and no information is shown on the display.	<ul style="list-style-type: none">• Check that the batteries are not flat.• Check that the batteries are inserted correctly.
The air conditioning device will not start immediately after the I/O button on the remote control is pressed.	<ul style="list-style-type: none">• This is a form of protection of the air conditioner. It is necessary to wait for about 3 minutes.
At the end operation the fan will stop completely.	<ul style="list-style-type: none">• Turn the air conditioning device on and then off again.
The cooling or heating (only for models with a heat pump) performance is insufficient.	<ul style="list-style-type: none">• Have you set the correct temperature?• Are the filters clean?• Is the air inlet and outlet on the indoor and outdoor unit blocked?• Are you using the SLEEP mode during the day?• Is the fan in the indoor unit set to a slow speed mode?• Have you closed doors and windows?
Hot air will not start flowing out of the air conditioning device immediately after the HEAT mode is set (only for models with a heat pump).	<ul style="list-style-type: none">• Please wait a few minutes.
A power outage occurred. After power is renewed the air conditioner is automatically set to the same mode in which it was before the power outage occurred.	<ul style="list-style-type: none">• This is a so-called automatic restart function.

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Problem	Analysis of the problem
In the heating mode (only for models with a heat pump) the indoor fan stops.	<ul style="list-style-type: none"> This process takes a maximum of 10 minutes. If the outdoor temperature is low and humidity is high, the air conditioner freezes over. Operation is automatically renewed after 10 minutes.
Cracking sounds are made.	<ul style="list-style-type: none"> This is caused by the expansion and contraction of the front panel on the indoor unit due to changes in temperature.
Running water sound is made.	<ul style="list-style-type: none"> This is the sound of the expanding coolant mixture inside the air conditioning device. It is the sound of accumulated water dripping on to the heat exchanger. Sound of the frost melting on the heat exchanger.
The indoor unit is rustling and clicking.	<ul style="list-style-type: none"> The clicking is the result of the switching of the fan or compressor. The rustling is the result of the coolant mixture flowing inside the air conditioner.
If in the COOL mode and the vertical flap is turned to the bottom position, the flap may start to automatically turn for a period of 3 minutes and then it will return to its initial position.	<ul style="list-style-type: none"> This function prevents water condensation from forming and is not a defect.
From the indoor unit an odour can be smelled.	<ul style="list-style-type: none"> The air conditioner may absorb odours from walls, carpets, furniture and then blow them back into the room.
Water is leaking out of the outdoor unit.	<ul style="list-style-type: none"> During cooling water is condensing on the connection pipe. During the heating or defrost mode (only for units with a heat pump) melting or evaporated water is emitted. During the heating mode (only for models with a heat pump) water is dripping on to the heat exchanger.



Attention:

If any of the following indications arise, please turn off the relevant circuit breaker and contact an authorised service centre.

- The power cord is overheating or damaged.
- An unusual sound is coming out of the air conditioner.
- The circuit breaker or fuse is turning the device off during operation.
- A burning smell is coming out of the air conditioner during operation.
- Water is continually leaking from the indoor unit.

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TECHNICAL PARAMETERS

Mono-split air conditioning unit				Model number SAC 2411CH			
Cooling function		YES		Average heating season		YES	
Heating function		YES		Hotter season		NO	
				Colder season		NO	
Design load				Seasonal efficiency			
Item	Mark	Value	Unit	Item	Mark	Value	Unit
Cooling	Pdesignc	6.8	kW	Cooling	SEER	6.5	–
Heating / average season	Pdesignh	4.5	kW	Heating / average season	SCOP/A	3.9	–
Declared cooling capacity at indoor temperature of 27(19) °C and outdoor temperature of Tj				Declared coefficient at indoor temperature of 27(19) °C and outdoor temperature of Tj			
Item	Mark	Value	Unit	Item	Mark	Value	Unit
Tj = 35 °C	Pdc	6.6	kW	Tj = 35 °C	EERd	2.9	–
Tj = 30 °C	Pdc	5.0	kW	Tj = 30 °C	EERd	4.7	–
Tj = 25 °C	Pdc	3.1	kW	Tj = 25 °C	EERd	7.6	–
Tj = 20 °C	Pdc	1.3	kW	Tj = 20 °C	EERd	13.0	–
Declared heating capacity / Average season at indoor temperature of 20 °C and outdoor temperature of Tj				Declared coefficient / Average season at indoor temperature of 20 °C and outdoor temperature of Tj			
Item	Mark	Value	Unit	Item	Mark	Value	Unit
Tj = -7 °C	Pdh	4.0	kW	Tj = -7 °C	COPd	2.4	–
Tj = 2 °C	Pdh	2.6	kW	Tj = 2 °C	COPd	3.9	–
Tj = 7 °C	Pdh	1.7	kW	Tj = 7 °C	COPd	5.3	–
Tj = 12 °C	Pdh	1.5	kW	Tj = 12 °C	COPd	6.6	–
Tj = bivalent temperature	Pdh	4.0	kW	Tj = bivalent temperature	COPd	2.4	–
Tj = operating limit	Pdh	4.2	kW	Tj = operating limit	COPd	2.1	–
Bivalent temperature				Limit operating temperature			
Item	Mark	Value	Unit	Item	Mark	Value	Unit
Heating/ average	Tbiv	-7	°C	Heating/ average	Tol	-10	°C
Cycling interval capacity				Cycling interval efficiency			
Energy loss coefficient when cooling	Cdc	0	–	Energy loss coefficient when heating	Cdh	0.25	–

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El. power input in modes other than "active mode"				Annual power consumption			
Turned off state	P _{OFF}	0.001	kW	Cooling	Q _{CE}	369	kWh/year
Stand-by mode	P _{SB}	0.001	kW	Heating/average	Q _{HE}	1607	kWh/year
Thermostat in turned off state	P _{TO}	0.061	kW				
Crankcase heater mode	P _{CK}	0	kW				
Regulation of output				Other items			
Fixed	NO			Item	Mark	Value	Unit
Staged	NO			Sound power level (indoor/outdoor)	L _{WA}	63/68	dB(A)
Variable	YES			Global warming potential	GWP	1975	kg equiv. CO ₂
				Rated air flow (indoor/outdoor)	–	1100/2600	m ³ /h
Other items				Other items			
Item	Value	Unit	Item	Value	Unit		
Power supply	220–240	V	IP protection level Indoor unit	IP20			
Frequency	50	Hz	IP protection level Outdoor unit	IP24			
Rated input power	2.8	kW	Protection class	I			
Rated current (max.)	15	A	Internal protection	3.15 A / type of fuse T			
Cooling power output	6.8	kW	Operational temperature	–7–43	°C		
Cooling power input	2.4	kW	Ambient temperature	–15–48	°C		
Heating power output	7.2	kW	Recommended room area	21–41	m ²		
Heating power input	2.5	kW	Dimensions of the air conditioning unit (w x h x d)				
Dehumidification	3	l/h	Internal unit	1080x330x220	mm		
Coolant type	R410A		External unit	910x690x370	mm		
Coolant load	1850	g	Packaging dimensions (w x h x d)				
Piping diameter for the liquid load	9.52	mm	Internal unit	1165x405x300	mm		
Piping diameter for the gas load	15.88	mm	External unit	990x770x430	mm		
Max. length of piping	15	m	Weight net/gross				
Max. elevation difference	8	m	Internal unit	17/20	kg		
			External unit	51/56	kg		
Contact persons providing further information:				SENCOR EUROPE s.r.o. Cernokostecká 1621, Říčany u Prahy, Post Code: 251 01 Czech Republic Email: info@sencor.eu, www.sencor.eu			

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Mono-split air conditioning unit				Model number SAC 1811CH			
Cooling function		YES		Average heating season		YES	
Heating function		YES		Hotter season		NO	
				Colder season		NO	
Design load				Seasonal efficiency			
Item	Mark	Value	Unit	Item	Mark	Value	Unit
Cooling	P _{designc}	4.8	kW	Cooling	SEER	6.0	–
Heating / average season	P _{designh}	3.5	kW	Heating / average season	SCOP/A	3.95	–
Declared cooling capacity at indoor temperature of 27(19) °C and outdoor temperature of T _j				Declared coefficient at indoor temperature of 27(19) °C and outdoor temperature of T _j			
Item	Mark	Value	Unit	Item	Mark	Value	Unit
T _j = 35 °C	P _{dc}	4.7	kW	T _j = 35 °C	EER _d	2.9	–
T _j = 30 °C	P _{dc}	3.3	kW	T _j = 30 °C	EER _d	4.6	–
T _j = 25 °C	P _{dc}	2.1	kW	T _j = 25 °C	EER _d	6.7	–
T _j = 20 °C	P _{dc}	1.0	kW	T _j = 20 °C	EER _d	10.5	–
Declared heating capacity / Average season at indoor temperature of 20 °C and outdoor temperature of T _j				Declared coefficient / Average season at indoor temperature of 20 °C and outdoor temperature of T _j			
Item	Mark	Value	Unit	Item	Mark	Value	Unit
T _j = -7 °C	P _{dh}	3.2	kW	T _j = -7 °C	COP _d	2.4	–
T _j = 2 °C	P _{dh}	1.9	kW	T _j = 2 °C	COP _d	4.0	–
T _j = 7 °C	P _{dh}	1.3	kW	T _j = 7 °C	COP _d	5.6	–
T _j = 12 °C	P _{dh}	0.8	kW	T _j = 12 °C	COP _d	6.1	–
T _j = bivalent temperature	P _{dh}	3.2	kW	T _j = bivalent temperature	COP _d	2.4	–
T _j = operating limit	P _{dh}	3.6	kW	T _j = operating limit	COP _d	2.0	–
Bivalent temperature				Limit operating temperature			
Item	Mark	Value	Unit	Item	Mark	Value	Unit
Heating/ average	T _{biv}	-7	°C	Heating/ average	T _{ol}	-10	°C
Cycling interval capacity				Cycling interval efficiency			
Energy loss coefficient when cooling	C _{dc}	0	–	Energy loss coefficient when heating	C _{dh}	0.25	–
El. power input in modes other than "active mode"				Annual power consumption			
Turned off state	P _{OFF}	0.001	kW	Cooling	Q _{CE}	283	kWh/year
Stand-by mode	P _{SB}	0.001	kW	Heating/ average	Q _{HE}	1207	kWh/year
Thermostat in turned off state	P _{TO}	0.029	KW				
Crankcase heater mode	P _{CK}	0	kW				

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Regulation of output			Other items			
Fixed	NO		Item	Mark	Value	Unit
Staged	NO		Sound power level (indoor/outdoor)	LWA	55/64	dB(A)
Variable	YES		Global warming potential	GWP	1975	kg equiv. CO ₂
			Rated air flow (indoor/outdoor)	–	750/1900	m ³ /h
Other items			Other items			
Item	Value	Unit	Item	Value	Unit	
Power supply	220–240	V	IP protection level Indoor unit	IP20		
Frequency	50	Hz	IP protection level Outdoor unit	IP24		
Rated input power	2.4	kW	IP protection level	I		
Rated current (max.)	11	A	Internal protection	3.15 A / type of fuse T		
Cooling power output	4.8	kW	Operational temperature	–7–43	°C	
Cooling power input	1.6	kW	Ambient temperature	–15–48	°C	
Heating power output	5.2	kW	Recommended room area	15–30	m ²	
Heating power input	1.73	kW	Dimensions of the air conditioning unit (w x h x d)			
Dehumidification	2.2	l/h	Internal unit	860x293x203	mm	
Coolant type	R410A		External unit	830x530x320	mm	
Coolant load	1200	g	Packaging dimensions (w x h x d)			
Piping diameter for the liquid load	6.35	mm	Internal unit	920x360x270	mm	
Piping diameter for the gas load	12.7	mm	External unit	910x620x380	mm	
Max. length of piping	10	m	Weight net/gross			
Max. elevation difference	5	m	Internal unit	11/13	kg	
			External unit	41/44.5	kg	
Contact persons providing further information:			SENCOR EUROPE s.r.o. Černokostelecká 1621, Říčany u Prahy, Post Code: 251 01 Czech Republic Email: info@sencor.eu, www.sencor.eu			



Note:

- The declared noise emission level of the indoor/outdoor unit of the air conditioning device SAC 2411CH is 63/68 dB(A), which represents level A of acoustic power with respect to a reference acoustic power of 1 pW.
The declared noise emission level of the indoor/outdoor unit of the air conditioning device SAC 1811CH is 55/64 dB(A), which represents level A of acoustic power with respect to a reference acoustic power of 1 pW.
- With respect to continuous development the manufacturer reserves the right to change technical data without prior notice.

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3. Range of operating temperatures:

	Maximum cooling	Minimum cooling	Maximum heating	Minimum heating
Inside DT/WT (°C)	32/23	21/15	27/--	20/--
Outdoors DT/WT (°C)	43/26	21/15	24/18	-5/-6

4. The electrical installation wiring diagram of the air conditioning device (for the indoor/ outdoor units) is supplied with the device.
5. If the power cord is damaged, please contact a service technician or a qualified person, otherwise there is a risk of injury.

INSTALLATION INSTRUCTIONS

1. Locating the indoor unit

- The air inlet and outlet must not be blocked.
- Adhere to the maximum height difference between the indoor and outdoor unit – see Technical parameters.
- Install the indoor unit on a rigid wall, which can bear the weight of the unit and will not be vibrated by the unit.
- The unit must not be in direct sunlight.
- Select a location for simple draining of the condensation water and for connection to the outdoor unit.
- Make sure that light bulbs do not cause interference to the signal transmitted from the remote control.
- The minimum distance between the air conditioning device and a television, radio or another home appliance is 1 m.

2. Locating the outdoor unit

- Select a location, which can bear the weight of the unit and will not be vibrated by the unit.
- Select a location with good ventilation and low dust level, out of direct sunlight and protected from the rain.
- Select a location where the air emitted by the outdoor unit or its operating noise level will not disturb your neighbours.
- There must not be any obstacles in the vicinity of the outdoor unit.
- Avoid locations where flammable gas leaks could occur.

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ILLUSTRATION OF THE INSTALLATION

Indoor unit

I		
	<p>Marking out the installation location using the mounting plate of the indoor unit.</p>	
	<p>The connecting pipe may lead from the rear, the right, the left or below the rear side.</p>	<p> Note: The drain hose must not be elevated too high.</p>
<p> Note: The actual design of the mounting plate may differ depending on the model of the air conditioning device.</p>	<p>When installing the pipe on a thin board or on a wall from metal mesh it is necessary to place a wooded board between the wall and the pipe and to wrap the pipe with 7-8 layers of insulating tape.</p>	<p>The connecting pipe must be wrapped in a thermally impervious material.</p> <p>Soft plastic thermally impervious material, thickness 8 mm.</p>

Outdoor unit

J	

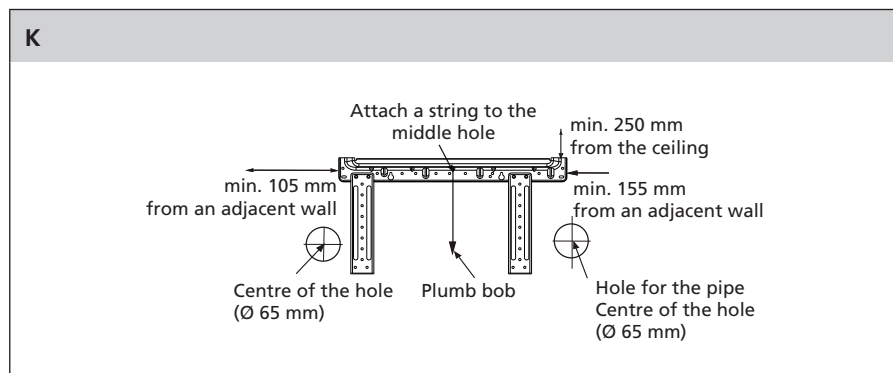
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INSTALLING THE INDOOR UNIT

Installing the mounting plate



Note:

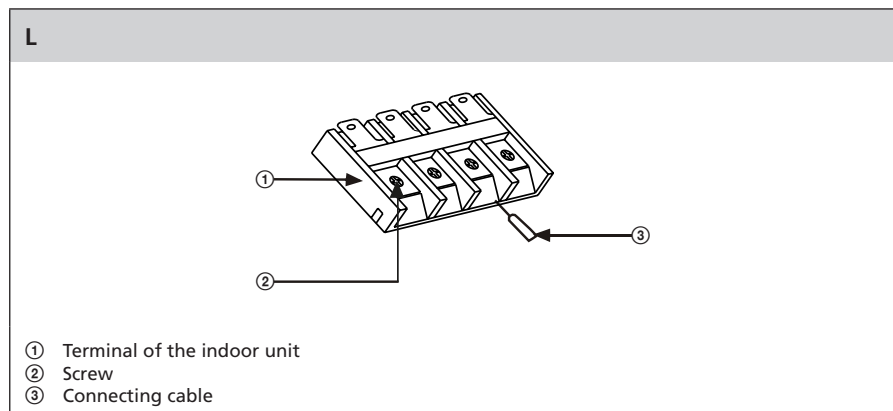
Holes marked with a full arrow must be properly secured so that the mounting plate does not move.

When using expansion bolts, standard holes should be drilled (11 x 20 or 11 x 26) and their distances must be adhered to – min. 450 mm.

The mounting plate must be installed on a load bearing part of the wall (pole, etc.).

The actual design of the mounting plate may differ depending on the model of the air conditioning device. The pictures used in this user's manual are for illustration purposes only.

ELECTRICAL CONNECTION OF THE INDOOR UNIT

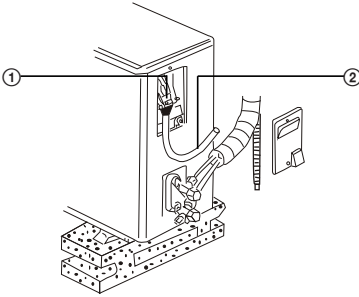


Wall Mounted Split Air Conditioner

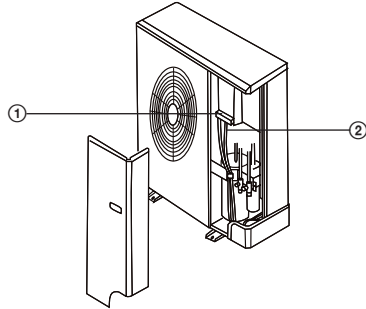
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ELECTRICAL CONNECTION OF THE OUTDOOR UNIT

M



Model with a cooling capacity of up to 6 kW

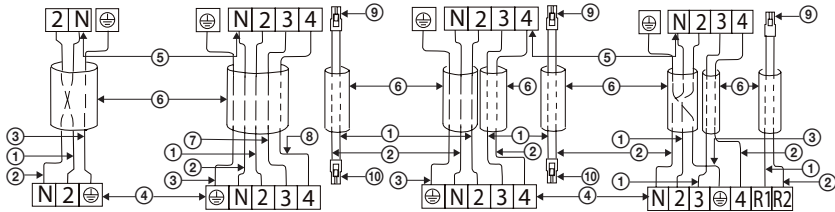


Model with a cooling capacity of over 6 kW

- ① Terminal of the outdoor unit
- ② Connecting cable

DIAGRAM OF THE ELECTRICAL CONNECTION OF THE INDOOR AND OUTDOOR UNIT

N – Model with a cooling capacity of 4.8 kW



Only for the model with cooling

Model with a heat pump

OR

Model with a heat pump

Model with a heat pump

- ① Brown
- ② Blue
- ③ Yellow-green
- ④ Connector of the outdoor unit
- ⑤ Connector of the indoor unit

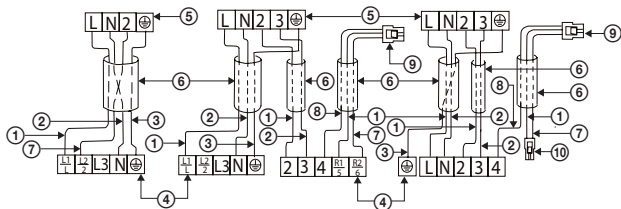
- ⑥ Connecting cable
- ⑦ Black
- ⑧ Grey
- ⑨ Plug 1
- ⑩ Plug 2

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EN

O – Model with a cooling capacity of 6.8 kW

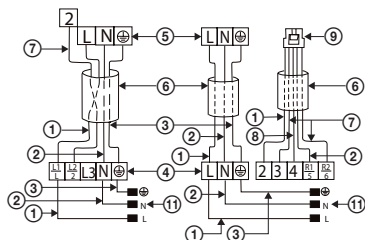


Only for the model
with cooling

OR

Model with
a heat pump

Model with
a heat pump



Only for the model
with cooling T3

Model with
a heat pump T3

① Brown

② Blue

③ Yellow-green

④ Connector of the outdoor unit

⑤ Connector of the indoor unit

⑥ Connecting cable

⑦ Black

⑧ Grey

⑨ Plug 1

⑩ Plug 2

⑪ El. power supply

We reserve the right to change text and technical parameters.

INSTRUCTIONS AND INFORMATION REGARDING THE DISPOSAL OF USED PACKAGING MATERIALS

Dispose of packaging material at a public waste disposal site.

DISPOSAL OF USED BATTERIES



Batteries contain environmentally damaging compounds and therefore do not belong in standard household waste. Take the batteries to an appropriate collection point, which will provide for their ecological disposal. You can obtain the contact for the nearest collection point from your town council or from your retailer.

DISPOSAL OF USED ELECTRICAL AND ELECTRONIC EQUIPMENT



The meaning of the symbol on the product, its accessory or packaging indicates that this product shall not be treated as household waste. Please, dispose of this product at your applicable collection point for the recycling of electrical & electronic equipment waste. Alternatively in some states of the European Union or other European states you may return your products to your local retailer when buying an equivalent new product. The correct disposal of this product will help save valuable natural resources and help in preventing the potential negative impact on the environment and human health, which could be caused as a result of improper liquidation of waste. Please ask your local authorities or the nearest waste collection centre for further details. The improper disposal of this type of waste may fall subject to national regulations for fines.

For business entities in the European Union

If you wish to dispose of an electrical or electronic device, request the necessary information from your seller or supplier.

Disposal in other countries outside the European Union

If you wish to dispose of this product, request the necessary information about the correct disposal method from local government departments or from your seller.



This product meets all the basic EU regulation requirements that relate to it.