

REMKO ATY

ATY 261, ATY 351

Wall-mounted air conditioning unit

Operation · Technology · Spare parts



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Carefully read this operating manual prior to commissioning or using the equipment!

This manual is an integral part of the unit and must be stored at the installation location or in the immediate vicinity.

Subject to modifications; No liability accepted for errors or misprints!

Safety notes

Carefully read this manual before starting the unit for the first time. It contains useful tips and notes  as well as hazard warnings to prevent injury or material damage . Non-observance of this manual may endanger persons, the environment as well as the equipment itself and will void any claims for liability.

- Store this manual and the refrigerant datasheet in the vicinity of the unit.
- The unit should only be set up and installed by qualified personnel.
- The setup, connection and operation of the unit and its components must be in accordance with the operating conditions stipulated in this manual and comply with all applicable local regulations.
- Units designed for mobile use should be safely set up on a suitable floor and in a vertical position. Units designed for stationary use should only be operated in their permanently installed state.
- It is prohibited to make modifications or changes to equipment or components supplied by REMKO as this may cause malfunctions.
- Equipment and components should not be operated in areas where there is a heightened damage risk. Observe the minimum clearances.
- The electrical supply should be adapted to fulfil the requirements of the unit.
- The operational safety of equipment and components is only assured providing they are used as intended and in a fully assembled state. Safety devices should not be modified or bypassed.
- Do not operate equipment or components with obvious defects or signs of damage.
- All housing parts and openings, e.g. air inlets and outlets, must not be blocked by foreign items, fluids or gases.
- The equipment and components must be kept a safe distance from inflammable, explosive, combustible, aggressive and dirty areas or atmospheres.
- Persons coming into contact with equipment parts may suffer burns or injury.
- Installation, repair and maintenance work should only be carried out by authorised specialists. Inspection and cleaning can be performed by the operator providing the equipment is not under voltage.
-  Take appropriate hazard prevention measures when performing installation, repair or maintenance work or cleaning the equipment.
- The equipment and components should not be exposed to any mechanical stresses, extreme levels of humidity or direct exposure to sunlight.



Environmental protection and recycling

Disposal of packaging

All products are carefully packaged using environmentally friendly materials prior to transportation. Make a valuable contribution to reducing waste and sustaining raw materials. Only dispose of packaging at approved collection points.



Disposal of old equipment

Equipment manufacture is subject to continuous quality control. Only high-quality materials are used, the majority of which can be recycled. Help protect the environment by only disposing of old equipment in accordance with local regulations and in an environmentally safe manner, e.g. through authorised disposal and recycling specialists or at collection points.

Warranty

In order to make warranty claims, it is essential that the ordering party or their representative complete and return the "certificate of warranty" and commissioning report to REMKO GmbH & Co. KG at the time when the equipment was purchased and commissioned. The warranty conditions are detailed in the "General terms and conditions". The contractual parties can also agree additional terms beyond the scope of the above. In this case, first contact the contractual partner.

Transportation and packaging

The equipment has been shipped in sturdy packaging. Immediately check the equipment on delivery and make a note of any damage or missing parts on the delivery note. Inform the forwarding agent and contractual partner.

Warranty claims at a later date will not be accepted.

Unit description

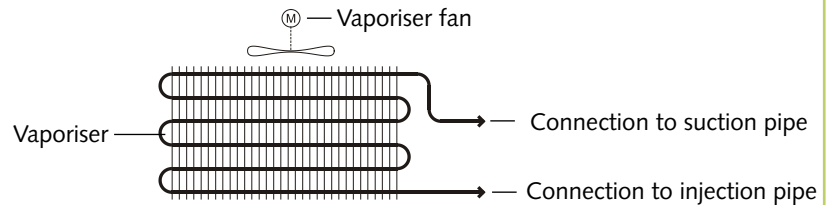
The indoor unit of the combined split-design air conditioning equipment absorbs the heat extracted from the interior room being cooled. The outdoor component then expels this heat into the outside air.

The unit is designed for indoor installation, high up on walls. It is operated by an infrared remote control.

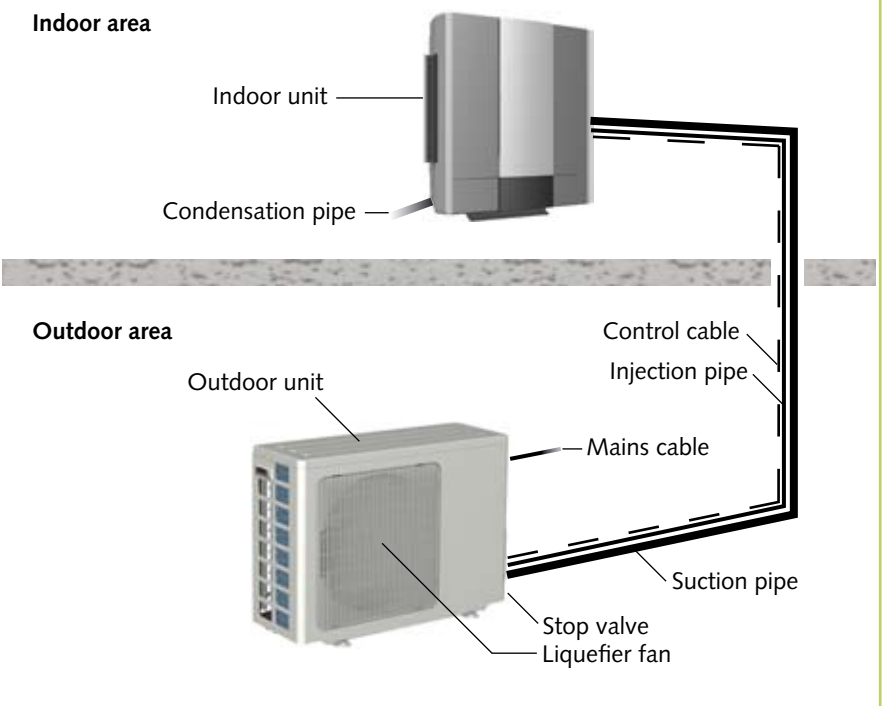
The indoor unit comprises a finned vaporiser, vaporiser fan, controller and condensation tray. The indoor unit may be used in conjunction with REMKO outdoor components that provide the required cooling output. The outdoor component is controlled by the regulator in the indoor unit.

Condensation pumps are also available as accessories.

Schematic of refrigerant circuit



System layout



Refrigerant pipes are used to connect the indoor unit to the outdoor component.

Combinations

Cooling

	ATY 261	ATY 351
RXM 226	••	
RXM 235		••
RXM 326	••	•
RXM 335		•••
RXM 426	••••	
RXM 435		••••

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Operation

The indoor unit is easy to operate using an infrared remote control. This is supplied as standard. The indoor unit beeps to acknowledge the correct transmission of data. If it is not possible to program the indoor unit using the remote control, it can also be manually operated.

Manual operation

The indoor unit can also be started manually. Press the button on the right of the unit to activate automatic mode.

The following settings apply to manual mode:

Automatic mode:
above 21 °C = cooling mode,
set temperature 24 °C
fan speed AUTO

Pressing any button on the infrared remote control interrupts manual operation.

Infrared remote control

The infrared remote control can send the programmed settings from a distance of 6 m to the receiver on the indoor unit. Data will only be received correctly if the remote control is pointed at the receiver and no objects are obstructing the transmission path.

First of all, insert the batteries (two type AAA) supplied with the remote control. Remove the cover on the battery compartment and insert the batteries. Take into account the correct polarity (see markings).

Display on indoor unit

The display is lit according to the settings.

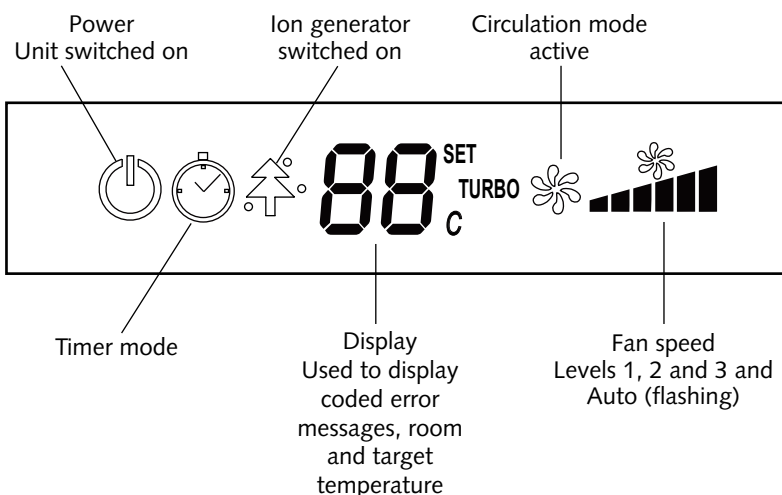
⚠ CAUTION

Errors are displayed in coded format (see chapter on trouble-shooting and customer service).

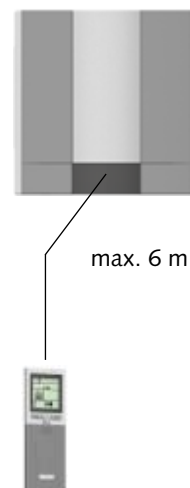
💡 NOTE

Immediately replace flat batteries with a new set, otherwise there is a risk of leakage. It is recommended that the batteries are removed if the equipment is shut down for long periods

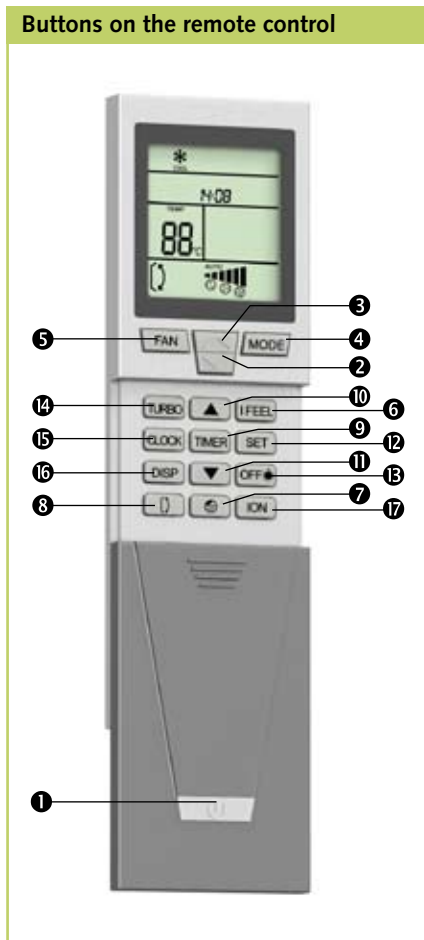
Display on indoor unit



Max. distance 6 m



Buttons on the remote control



Buttons on the remote control

❶ "ON/OFF" Button

Press this button to start the equipment.

❷ "▼" Button

Press this button to reduce the desired temperature to a value as low as 16 °C.

❸ "▲" Button

Press this button to increase the desired temperature to a value as high as 30 °C.

❹ "MODE" Button

Press this button to select the operating mode. The indoor unit has 5 modes:

1. Automatic mode

In this mode the equipment is running in cooling mode.

2. Cooling mode

In this mode the room air is cooled to the preset target temperature.

3. Heating mode

Heating mode is not supported.

4. Circulation mode

In this mode the room air is circulated.

5. Dehumidifying mode

In this mode the room is mainly dehumidified, the set temperature is maintained.

❺ "FAN" Button

Press this button to set the required fan speed. 4 levels are available: Automatic, high, medium and low fan speed.

❻ "I FEEL" Button

Press this button to change the point of room temperature measurement to the remote control.

The temperature measured by the remote control is then sent at regular intervals to the indoor unit.

❼ "Zzz" (SLEEP) Button

Press this button to activate sleep mode. In cooling mode, the target temperature is automatically raised by 1 °C after 1 hour. After the 2nd hour, the temperature automatically increases/reduces by 2°C. This function deactivates itself after 6 hours.

❽ "⏸" (SWING) Button

This button activates the oscillating fin function to provide improved air distribution in the room.

❾ "TIMER" Button

Press this button to activate the automatic switch-on/off time for the equipment. Buttons ❿ and ⓫ are used to program these times at 10 minute intervals.

❿ "▲" Button

This button increases the value when setting the clock or timer.

⓫ "▼" Button

This button decreases the value when setting the clock or timer.

⓬ "SET" Button

Press this button to activate the previously set timer.

⓭ "OFF ⌚" Button

Press this button to activate a switch-off timer of 1/2, 1, 2 or 5 hours.

⓮ "TURBO" Button

Press this button to activate maximum fan speed for 30 minutes.

⓯ "CLOCK" Button

Press this button to activate clock setting mode.

⓰ "DISP" Button

Press this button to send the current temperature of the remote control to the indoor unit using the I-Feel function.

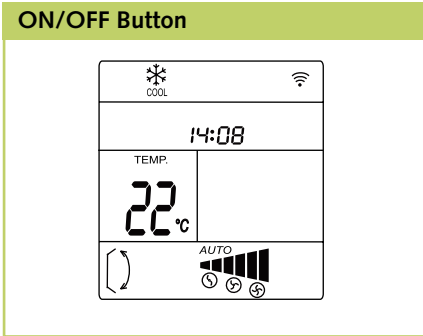
⓱ "ION" Button

Press this button to switch on the ion generator.

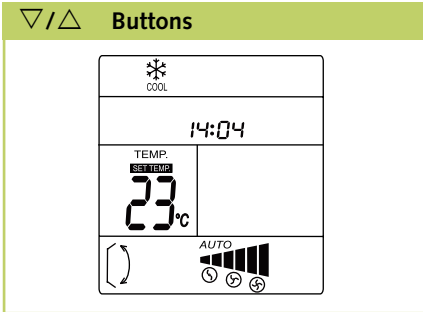
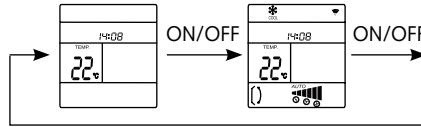
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Button functions

A symbol is shown on the display to indicate that the settings are being transferred.

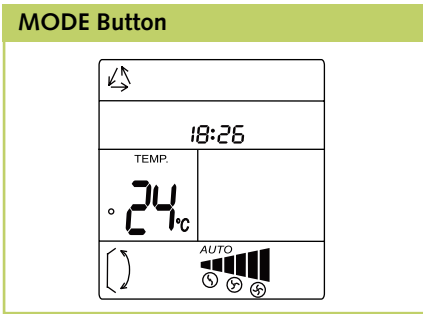
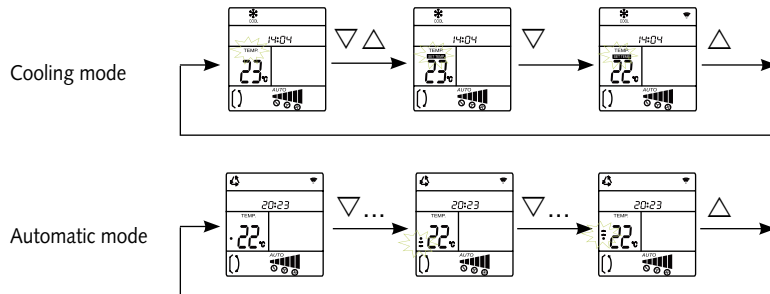


Press the ON / OFF button to activate or deactivate the unit. The programmed settings and parameters are shown on the display before the unit switches off.



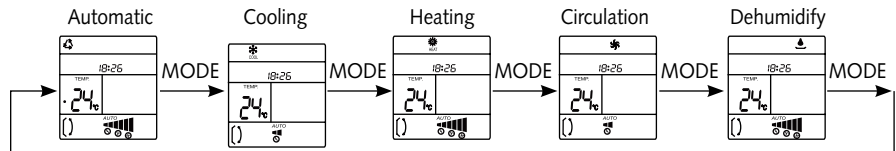
The remote control has its own temperature display. Press the ∇/Δ buttons to change the display to **SET TEMP.** The ∇ button reduces the desired target temperature, the Δ button increases it. This setting is only supported in cooling mode. In automatic mode, press the ∇ button to reduce the fixed temperature from 24 °C by 1 or 2 °C, press the ∇ button to increase it by 1 or 2 °C. The current setting is displayed next to the temperature.

Temperature adjustment is not possible in dehumidifying mode.

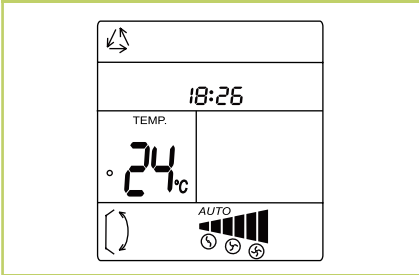


Press the MODE button to switch between operating modes. A total of 5 modes are available:

1. **Automatic** automatically selects cooling mode
2. **Cooling** mainly used in summer
3. **Heating** not possible
4. **Circulation** for air circulation only
5. **Dehumidify** used in summer or winter

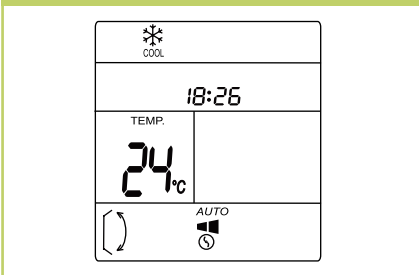


AUTOMATIC Mode

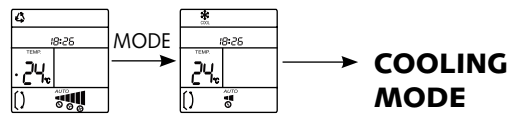


This mode is not supported.

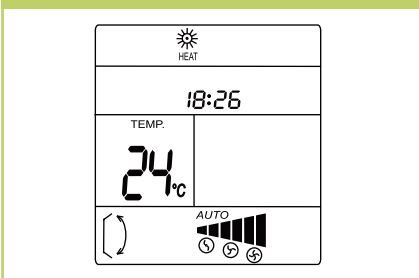
COOLING Mode



In cooling mode the room air is cooled to the preset target temperature. The desired room temperature is set in 1 °C steps using the ∇/Δ buttons. If the room temperature reaches 1 °C above the set target temperature, the indoor unit starts to cool the room air. If the actual temperature falls approx. 0.5 °C below the set room temperature, the controller switches the cooling off. In order to protect the compressor, the controller will only switch the cooling back on after a holding period of 3 minutes.

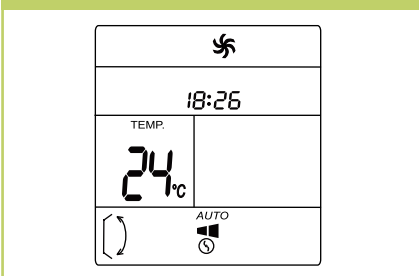


HEATING Mode

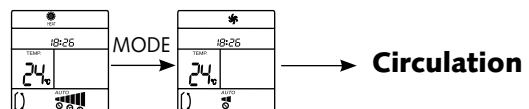


This mode is not supported.

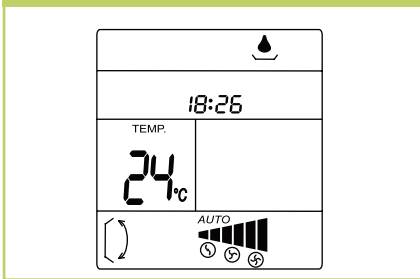
CIRCULATION Mode



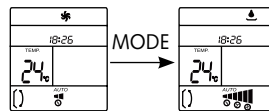
In circulation mode only the room air is circulated. The room temperature cannot be changed in this mode. Cooling is not activated.



DEHUMIDIFY Mode

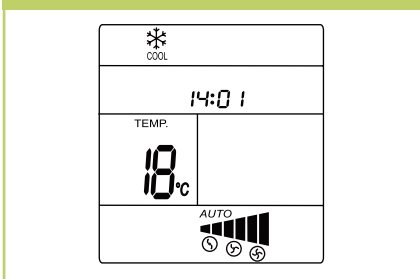


In dehumidifying mode, the room temperature can be set between 18 °C and 30 °C. The low refrigerant temperature causes the air temperature at the finned heat exchanger to fall below the dew point. Any excess humidity in the air condenses in the finned heat exchanger. As a result the room is dehumidified. The fan speed cannot be altered.

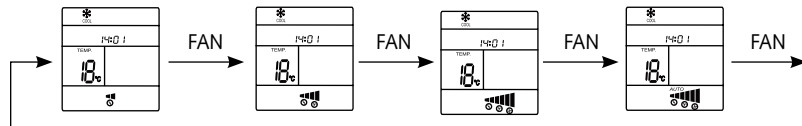


DEHUMIDIFICATION MODE

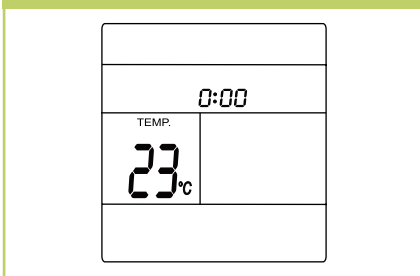
FAN Button



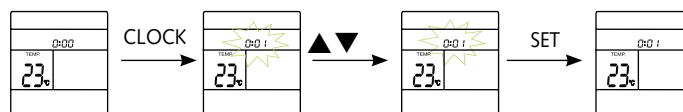
Press this button to set the fan speed. One can choose between low, medium, high and automatic fan speed.



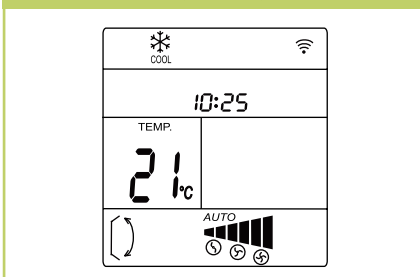
CLOCK Button (hidden)



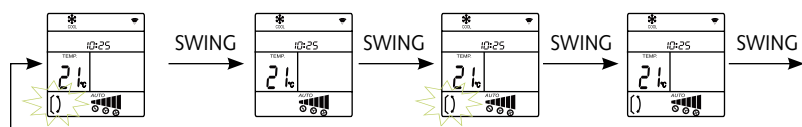
Press the CLOCK button under the cover the program the time. The time will flash on the display. Press the ▲ and ▼ buttons under the cover to set the current time. Press the SET button to complete the programming procedure< the display will stop flashing.



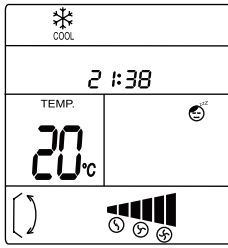
SWING Button (hidden)



Press this button to select the oscillating function for the air outlet fins. This allows direct switching from a fixed position to the oscillating function. The swing function improves air circulation in the room.



SLEEP Button (hidden)



Press the buttons to activate a program which will raise the target temperature in cooling mode by 1 °C and 2 °C after 1 and 2 hours respectively.

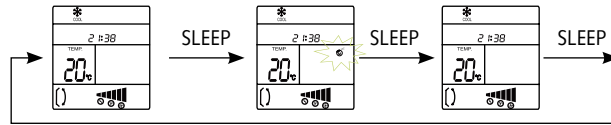
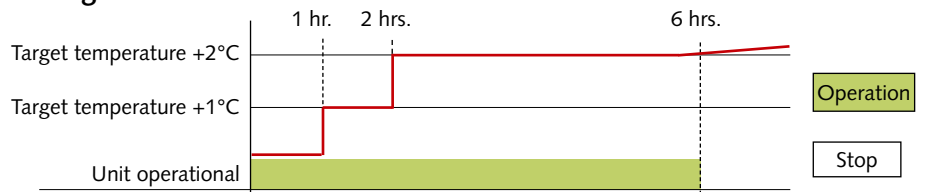
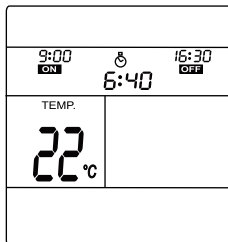


Diagram of function

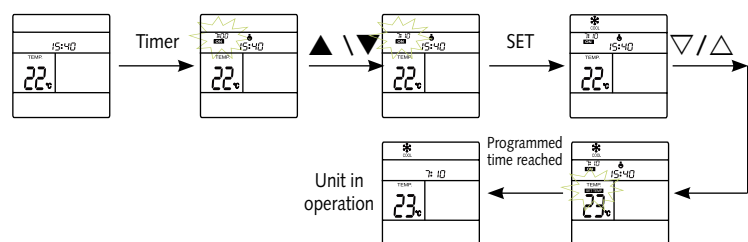
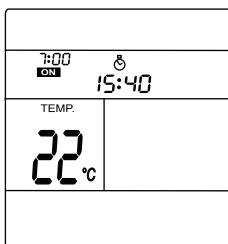


TIMER Button (covered)



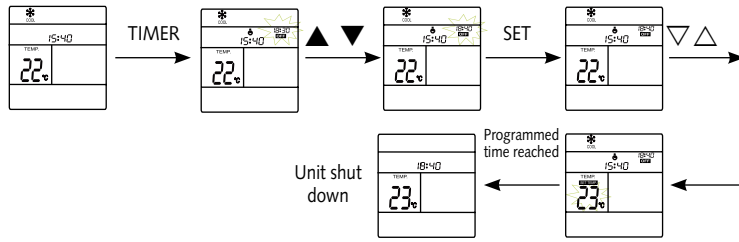
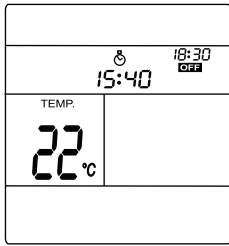
This button is used to program the switch-on and switch-off times. Press the TIMER button several times to activate the switch-on, switch-off or combined switch-on/switch-off timer. The switch-on/off time will flash. The Timer symbol on the indoor unit is lit. Press the ▲ and ▼ buttons to set the desired switch-on/off time. If set successfully, the Timer symbol will flash a further 15 seconds. Press the SET button to complete programming. The unit automatically switches on or off once the programmed time is reached. If the unit is switched on automatically, the previously set mode, temperature and fan speed are activated. The switch-on/off time can be prematurely cancelled by pressing the appropriate Timer button. The timer symbol on the indoor unit extinguishes.

TIMER ON programming

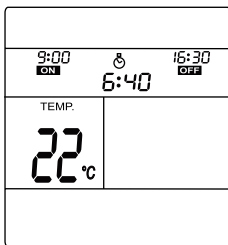


REMKO ATY

TIMER OFF programming



TIMER ON/OFF programming



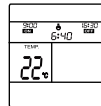
The controller switches the unit on and off at the programmed times. During operation, all the settings are shown on the display. Only the timer settings are visible when the unit is shut down.

Unit On

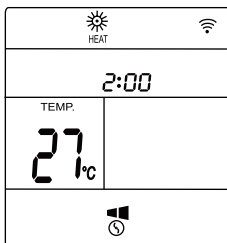
Unit Off

Example:

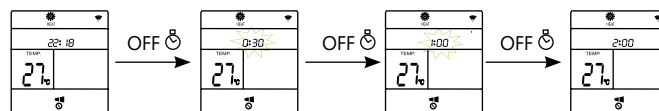
The controller switches on at 09:00.
The unit remains operational until 16:30.



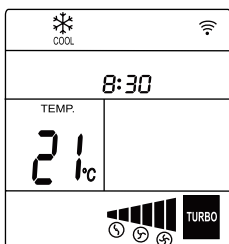
TIMER OFF (hidden)



This button is used to program a countdown timer for switching off the unit. Press several times to set the timer to 30 minutes, 1 hour, 2 hours, 3 hours or 5 hours. The current time is replaced by the remaining time.

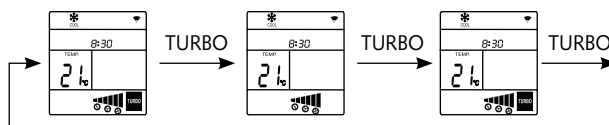


TURBO Button (hidden)

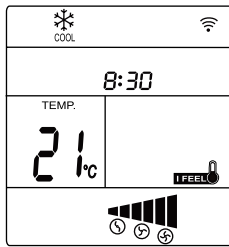


Press this button to increase the air flow rate in cooling or heating mode for 30 minutes. This allows rapid cooling or heating of the room. Cooling and humidifying mode cannot be reached, instead the unit switches to automatic mode.

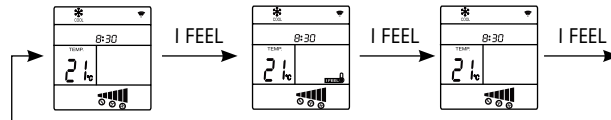
After 30 minutes the controller reverts to the last programmed settings.



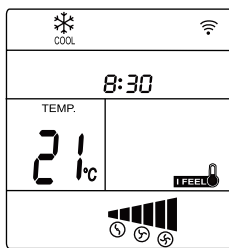
I FEEL Button (hidden)



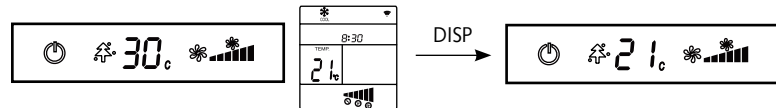
The unit measures the temperature inside the wall-mounted equipment. This may differ from the temperature near the remote control. Press this button to send the temperature measured at the remote control to the wall-mounted unit. The temperature is continually adjusted to the actual temperature of the remote control (approx. every 5 minutes) providing the function is switched on.



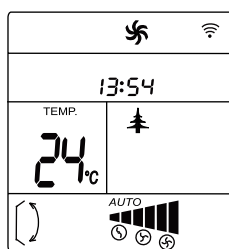
DISP Button (hidden)



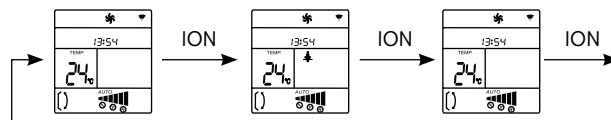
In I FEEL mode the temperatures of the remote control and the display on the unit may differ. Press this button to immediately send an adjustment signal to the unit, the target temperature remains unchanged.



ION Button (hidden)



The unit includes an ion generator for generating negative ions. High levels of negative ions may be found in mountain regions, near waterfalls or in forests. Humans perceive such air to be "pure" when they are breathing it in. In contrast, indoor rooms usually contain low concentrations of ions. The ion generator enriches the oxygen molecules in the circulated air to improve the air quality for humans. Suspended particles and dust are bound in the air to facilitate natural air purification. Ionisation causes the dust to settle on smooth surfaces where it can be wiped away. Ensure the housing and filter are cleaned on a weekly basis when using ionisation. This function is available in all operating modes.



Shutdown

Temporary shutdown

1. Let the indoor unit run for 2 to 3 hours in circulation mode, or in cooling mode at maximum temperature, to extract any residual humidity from the unit.
2. Shut down the unit using the remote control.
3. Switch off the supply voltage to the unit.
4. Check the unit for visible signs of damage and clean as described in the chapter "Care and maintenance".

Permanent shutdown

Ensure that equipment and components are disposed of in accordance with local regulations, e.g. through authorised disposal and recycling specialists or at collection points.

REMKO GmbH & Co. KG or their authorised partners will be pleased to provide details of specialists in your area.

CAUTION

Ensure the unit is not under voltage when performing care and maintenance tasks.

Care and maintenance

Regular care and observance of some basic points will ensure trouble-free operation and a long service life.

CAUTION

Prior to performing any work, ensure the equipment is isolated from the voltage supply and secured to prevent accidental switch-on!

Care

- Ensure the indoor unit is protected against dirt, mould and other deposits.
- Clean the indoor unit and outdoor component using a damp cloth. Do not use any caustic, abrasive or solvent-based cleaning products. Do not use a jet of water.
- Clean the fins on the unit prior to long shutdown periods.

Maintenance

- It is recommended that you take out a maintenance contract with an annual service from an appropriate specialist firm.

TIP

This ensures the operational reliability of your equipment!

Cleaning the housing of the indoor unit

1. Disconnect the supply voltage to the equipment.
2. Clean the unit using a soft, damp cloth.
3. Switch the supply voltage back on.

Air filter for indoor unit

Clean the air filter at least every 2 weeks. Reduce this interval if the air is especially dirty.

Cleaning the filter in the indoor unit

The indoor unit is equipped with a filter that has an antibacterial coating. The filter removes dust from the air and reduces the spread of bacteria.

1. Switch the indoor unit to circulation mode using the remote control (open the front cover for the air inlet!) (**Fig 1**).
2. Open the lower display cover on the front of the unit by pressing both stops and carefully folding the cover down to lift it out of the support (**Fig 2**).

3. Press up the flaps on the filter and pull it down and out by the flaps (Fig 3).
4. Clean the filter using a normal vacuum cleaner. The dirty side should be face up(Fig. 4).
5. Clean off any dirt using lukewarm water and mild cleaning agents. The dirty side should be face down(Fig. 5).
6. If water is used, let the filter dry out properly in air before replacing it in the unit.
7. Carefully insert the filter. Ensure it locates correctly.
8. Close the lower display cover in the opposite order to that described above.
9. Set the desired operating mode.

Type of task Check / Maintenance / Inspection	Commissioning	Monthly	Six-monthly	Yearly
General	•			•
Measure voltage and current	•			•
Check fan is functioning correctly	•			•
Dirt on vaporiser	•	•		
Check condensation drain	•		•	
Test insulation	•			•
Check moving parts	•			•

1 Open front cover



Cleaning the condensation pump (accessory)

The indoor unit may include a built-in or separate condensation pump for pumping the condensation to a drain at a higher level.

Observe the care and maintenance instructions specified in the separate manual.

2 Remove the display cover



4 Clean with a vacuum cleaner



3 Pull out the filter



5 Cleaning with lukewarm water



Troubleshooting and customer service

The equipment and components are manufactured using state-of-the-art production methods and tested several times to verify their correct function. If malfunctions should occur, please check the functions as detailed in the list below. In the case of equipment that includes an indoor unit and an outdoor component, observe the chapters on "Troubleshooting and customer service" in both manuals. Please inform your dealer if the unit is still not working correctly after all the functional checks have been performed!

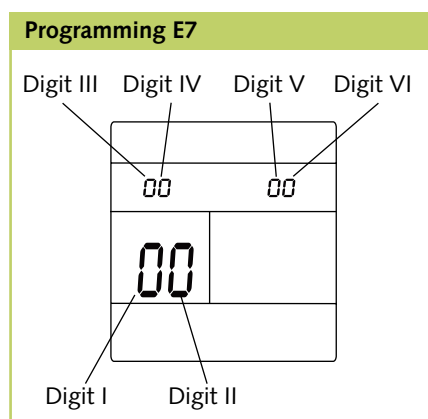
Malfunction

Fault	Possible cause	Checks	Remedial measures
The unit does not start or switches itself off.	Power outage, undervoltage, defective mains fuse / main circuit breaker switched off.	Are all electrical installations functioning correctly?	Check the voltage and if necessary wait for it to come back on.
	Damaged mains cable.	Are all electrical installations functioning correctly?	Repair by specialist.
	Waiting time after switch-on too short.	Have approx. 5 minutes elapsed since the restart?	Schedule longer waiting times.
	Temperate outside operating temperature range.	Are the fans in the indoor unit and outside component working correctly?	Take into account the temperature range for the indoor unit and outside component.
	Overvoltages caused by thunder storms.	Has there recently been lightning?	Switch off the mains protection and switch it back on. Have it checked by a specialist.
The unit does not respond to the remote control.	Fault in external condensation pump.	Did the pump shut down due to a fault?	Check and if necessary clean the pump.
	Transmission distance too far / receiver affected by interference.	Does the indoor unit beep when pressing a button?	Reduce the distance to less than 6 m or change position.
	Defective remote control.	Is the unit running in manual mode?	Replace the remote control.
	Receiver or transmitter unit exposed to excessive solar radiation.	Does it function correctly in the shade?	Place the receiver or transmitter unit in the shade.
	Electromagnetic fields are interfering with transmission.	Does it function when switching off possible sources of interference?	Signal is not transmitted when interference sources are operational.
	Button in remote control jammed / two buttons pressed at same time.	Does the "Send" symbol appear on the display?	Release the button / only press one button.
The unit is running but only provides reduced cooling output.	Batteries in remote control are flat.	Have new batteries been inserted? Is the display incomplete?	Insert new batteries.
	Filter is unclean / air inlet / outlet blocked by foreign items.	Have the filters been cleaned?	Clean the filters.
	Doors and windows open. Heating/cooling output increases.	Have modifications been made to the building?	Close windows and doors / install additional units.
	Cooling mode not selected.	Does the cooling symbol appear on the display?	Correct the settings for the unit.
	Fins on outdoor component blocked by foreign items.	Is the fan on the outdoor component running? Are the fins on the heat exchanger unobstructed?	Check the fan or winter controller, reduce the air resistance.
Condensation is leaking out of the unit.	Leaking refrigerant circuit.	Are there signs of frost on the connections to the outdoor unit?	Repair by specialist.
	Drainage pipe on collection container clogged / damaged.	Can the condensation drain off without any obstruction?	Clean the drainage pipe and collection container.
	Faulty external condensation pump or float.	Is the collection tray full of water and the pump not running?	Call out a specialist to replace the pump.
	Condensation has not drained away and has collected in the condensation pipe.	Is there a steady fall on the condensation pipe? Check there is no blockage in the pipe.	The condensation pipe must have a fall. If necessary, clean the pipe.
	Condensation does not drain off.	Are the condensation pipes unblocked and is there a steady fall? Are the condensation pump and float switch functioning correctly?	The condensation pipe must have a fall. If necessary, clean the pipe. A faulty condensation pump or float switch should be replaced.

Error indicated by flashing code

Display	Cause	Required action
88 flashes	Power outage for 3 minutes	Switch off and switch back on
E1 flashes	Communication error display controller	Contact specialist dealer
E2 flashes	Circulation sensor on indoor unit faulty/tripped	Contact specialist dealer
E3 flashes	Frost protection sensor on indoor unit faulty/tripped	Contact specialist dealer
E4 flashes	Vaporiser fan motor speed too low/faulty	Contact specialist dealer
E5 flashes	No cooling/heating output after 30 minutes.	Contact specialist dealer
E6 flashes	Undervoltage protection has tripped	Contact specialist dealer
E7 flashes	Communication error	Reprogram (see chapter "Programming when error E7 is indicated")

Programming when error E7 is indicated



If error 07 "Communication error" occurs, perform the following programming procedure:

1. Prepare to reset the unit by removing the batteries from the remote control.
2. Press and hold ∇/Δ and put the batteries back in the remote control. *The display will show "00 00 00"*
3. If digit I is "0", proceed to step "5".
4. If digit I is "1", press the

"MODE" button until digit I changes to "0".

5. Program the 1st communication code for digits I to VI by pressing the following buttons several times:
 ATY 261: 04 54 05
 ATY 351: 04 54 05
 Verify that the correct code is displayed before continuing with the programming procedure! 6. Press the "MODE" button to save the settings.
7. If the first digit is "1", proceed to step "9".
8. If the first digit is "0", go back to step "1." and repeat the programming procedure.
9. Program the 2nd communication code for digits I to VI by pressing the following buttons several times:
 ATY 261: 1A 00 EA
 ATY 351: 1A 00 Fb
 Verify that the correct code

is displayed before continuing with the programming procedure!

10. Point the transmitter on the IR remote control at the receiver on the indoor unit and press the "ON/OFF" button until a beep acknowledges that the signal has been received. The first LED on the right side flashes.
11. After the acknowledgement beep has sounded, remove the batteries from the remote control for approx. 1 minute. Re-insert the batteries to complete the programming procedure. You can now select the desired operating mode.

Installation instructions for qualified personnel

Important points prior to installation

When installing a complete system, take into account the manuals for the indoor unit and outdoor component.

- Transport the unit in its original packaging as close as possible to the installation location. This avoids transportation damage.
 - Check that the packaged contents are complete and inspect the unit for any visible signs of transportation damage.
- Immediately notify any deficiencies to the contractual partner and forwarding agent.
- Lift the unit by its corners and not the refrigerant or condensation connections.
 - Insulate the refrigerant pipes (injection and suction pipe), valves and connections to make them tight against vapour diffusion. If necessary, also insulate the condensation pipe.

- Select an installation location which allows air to freely flow through the inlet and outlet (see section "Minimum clearances").

- Do not install the unit adjacent to any hotspots. Unit performance will be impaired if installed next to hotspots.

- Use caps or adhesive tape to seal off the open refrigerant pipes and prevent the ingress of humidity. Never kink or push in the refrigerant pipes.
- Only use the union nuts supplied with the refrigerant pipes. These should only be removed shortly before connecting the refrigerant pipes.
- Establish all electrical connections in accordance with the relevant DIN- and VDE standards.
- Ensure the electrical cables are properly connected to the terminals, otherwise there is a risk of fire.

Installation material

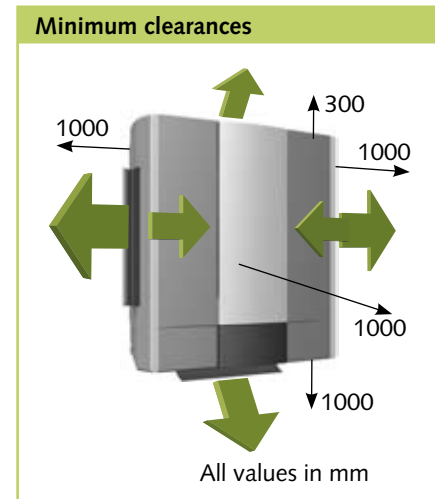
The indoor unit is fastened by the back of its housing using 4 screws to be provided by the customer.

Selecting the installation location

The indoor unit is designed for horizontal wall-mounting high up on walls (min. 1.75 m above the level of the floor).

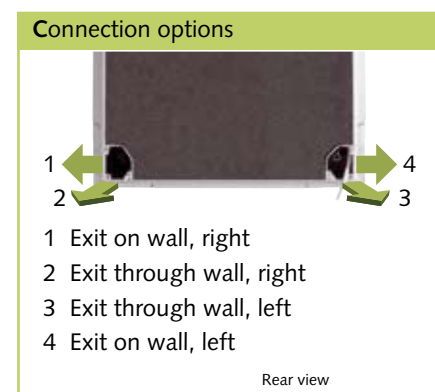
Minimum clearances

Observe the minimum clearances to allow access for maintenance and repair work and facilitate optimum air distribution.



Connection options

The following connection options are available for the condensation pipes and control cables.



Installation

NOTE

Installation should only be performed by authorised specialists.

Installing the unit

The indoor unit is installed by taking into account the position of the air outlet. This can be at the top or bottom as well as at the sides.

1. Use the unit dimensions to mark the fixing points on structural parts approved to support the static load.
2. Open the display cover (Fig 6) and remove the four screws below the filter (Fig 7).
3. Dismantle the front of the unit: lift up the front near the lower part of the body by approx. 10 cm and fold it upwards (Fig 8).
4. Detach the front cover connector by pulling it off the circuit board (Fig 9).
5. If necessary, remove the break-outs on the housing.
6. Fit the unit to the wall.
7. Connect the refrigerant pipes, electrical cables and condensation pipe to the indoor unit as described below.
8. Check that the unit is level.
9. Re-assemble the unit.

6 Open the display cover



7 Remove the screws



8 Undo the front of the unit



9 Pull off the connector



Connecting the refrigerant pipes

The connections to the refrigerant pipes are made at the rear of the unit (responsibility of customer).

It may be necessary to fit a reducer or flared adapter to the indoor unit.

These fittings are included as standard.

Once installed, the connections should be made tight against vapour diffusion.

CAUTION

The unit is factory filled with dry nitrogen to check for leaks. The pressurised nitrogen is released when loosening the union nuts.

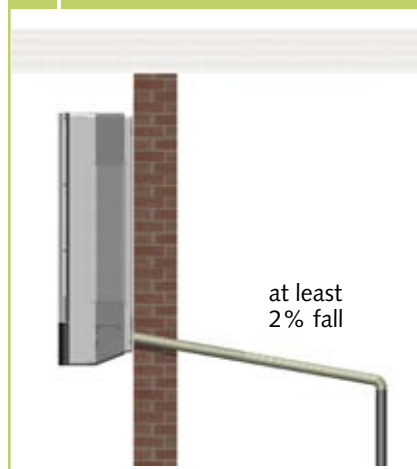
Condensation connection

If the temperature falls below the dew point, condensation will form on the vaporiser of the indoor unit during cooling.

The collection tray below the vaporiser should be connected to the drain.

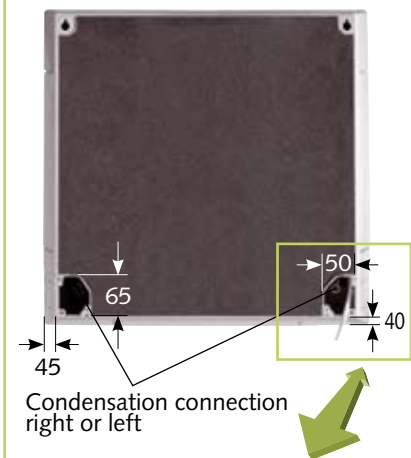
- The condensation pipe should have a fall of min. 2 %. This is the responsibility of the customer. (Fig 10). If necessary, fit vapour diffusion tight insulation.
- The condensation pipe from the unit should run freely into the drainage pipe. If the condensation runs directly into a sewer pipe, fit a trap to prevent any unpleasant odours.
- When operating the unit at outdoor temperatures below 0 °C, ensure the condensation pipe is laid to protect it against frost. If necessary, fit supplementary pipe heating.
- Once the pipe has been laid, check the condensation drains off and permanently seal it.

10 Condensation connection



The standard condensation hose is for connection to the left or right side (as viewed from the front). Remove the plug when making the connection.

Condensation connection for indoor unit



NOTE

The condensation pump cannot be built into the unit.

Electrical connection

A protected mains supply and control cable should be connected to the outdoor component and indoor unit respectively.

⚠ CAUTION

All electrical installation work should be performed by specialist contractors. Isolate the voltage supply when connecting the electrical terminals.

- We recommend that customers install a main/repair switch in the vicinity of the outdoor component.
- The terminal blocks for making the connections are located at the rear of the unit. When the unit is installed, measurements can be made from the front by removing the cover.
- If an optional condensation pump is used in conjunction with the unit, it may be necessary to install an additional relay with a higher contact rating after the switch-off contact on the pump to switch off the compressor.

Connecting the indoor unit

Make the connection as follows:

1. Dismantle the front of the unit as described in the chapter "Installing the unit".
2. Select the cable cross-section according to the relevant standards.
3. Connect the mains supply to the unit and the control cable to the outdoor component (see electrical connection diagram).
4. Re-assemble the unit.

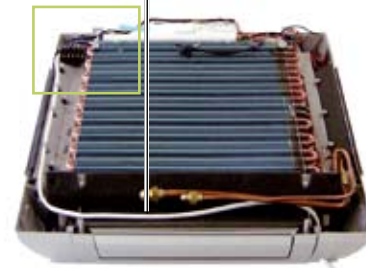
Connecting the indoor unit



Terminal block/
control block

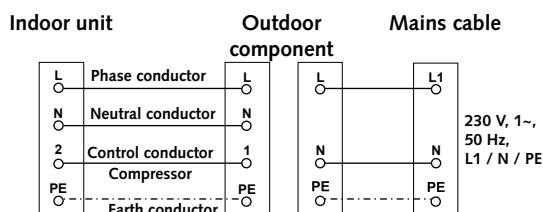


Mains cable



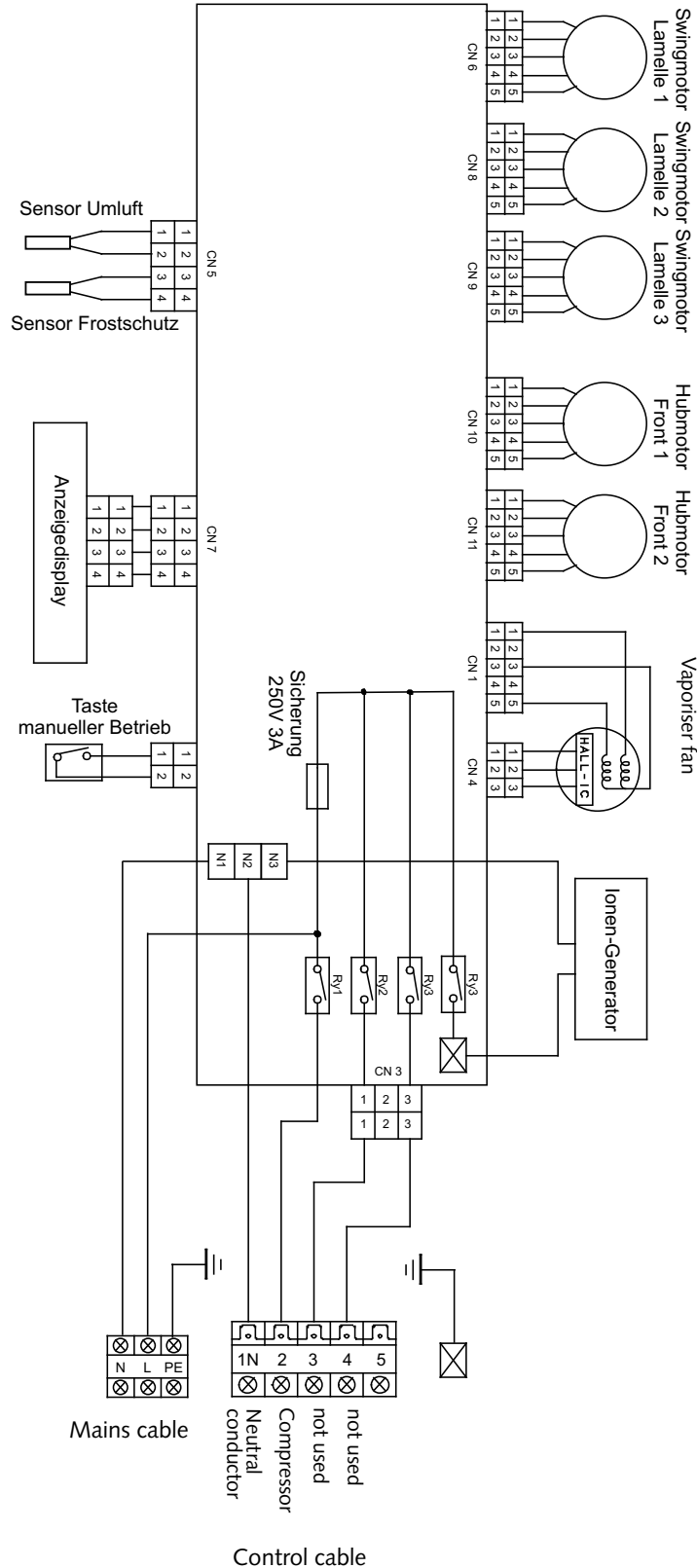
Electrical connection diagram

ATY 261 / ATY 351



Electrical circuit diagram

ATY 261 / ATY 351



Commissioning



NOTE

Commissioning should only be performed and documented by specially trained personnel.

When starting up the complete system, observe the instructions given in the manuals for the indoor unit and outdoor component.

Functional test for cooling mode

1. Switch on the supply voltage on.
2. Use the remote control to switch on the unit and select the cooling mode, maximum fan speed and lowest target temperature.
3. Measure and record all the required values in the commissioning report and check the safety functions.
4. Check the indoor unit control system using the functions described in the chapter "Operation". Timer, temperature setting, fan speeds and switching to ventilation or dehumidifying mode.

5. Check the correct function of the condensation pipe by pouring distilled water into the condensation tray. A bottle with a spout is recommended for pouring the water into the condensation tray.

Final tasks

- Re-fit all the dismantled parts.
- Instruct the operator on how to use the equipment.

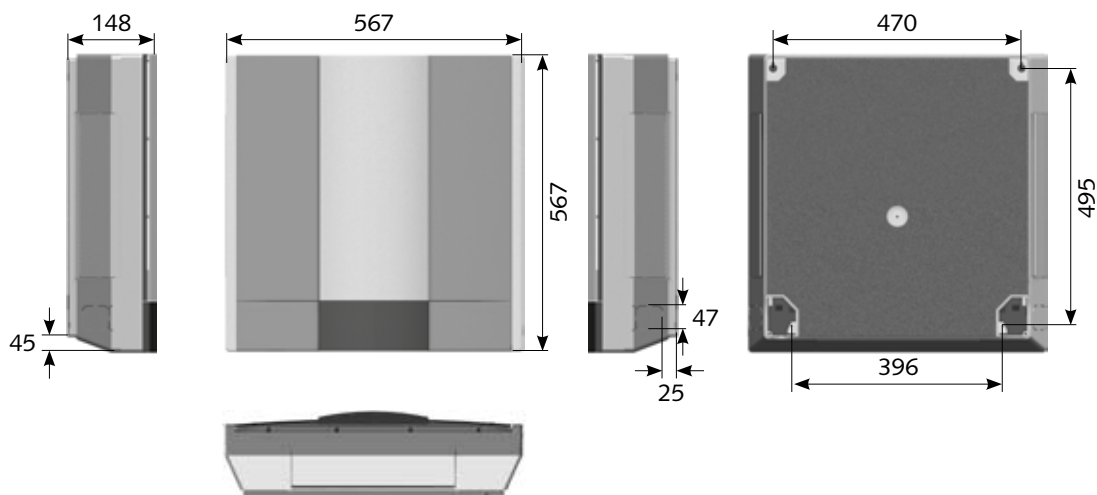


NOTE

Check that the stop valves and valve caps are tight after carrying out any work on the refrigerant circuit. If necessary, use appropriate sealant products.

Unit dimensions

ATY 260 IT / ATY 350 IT

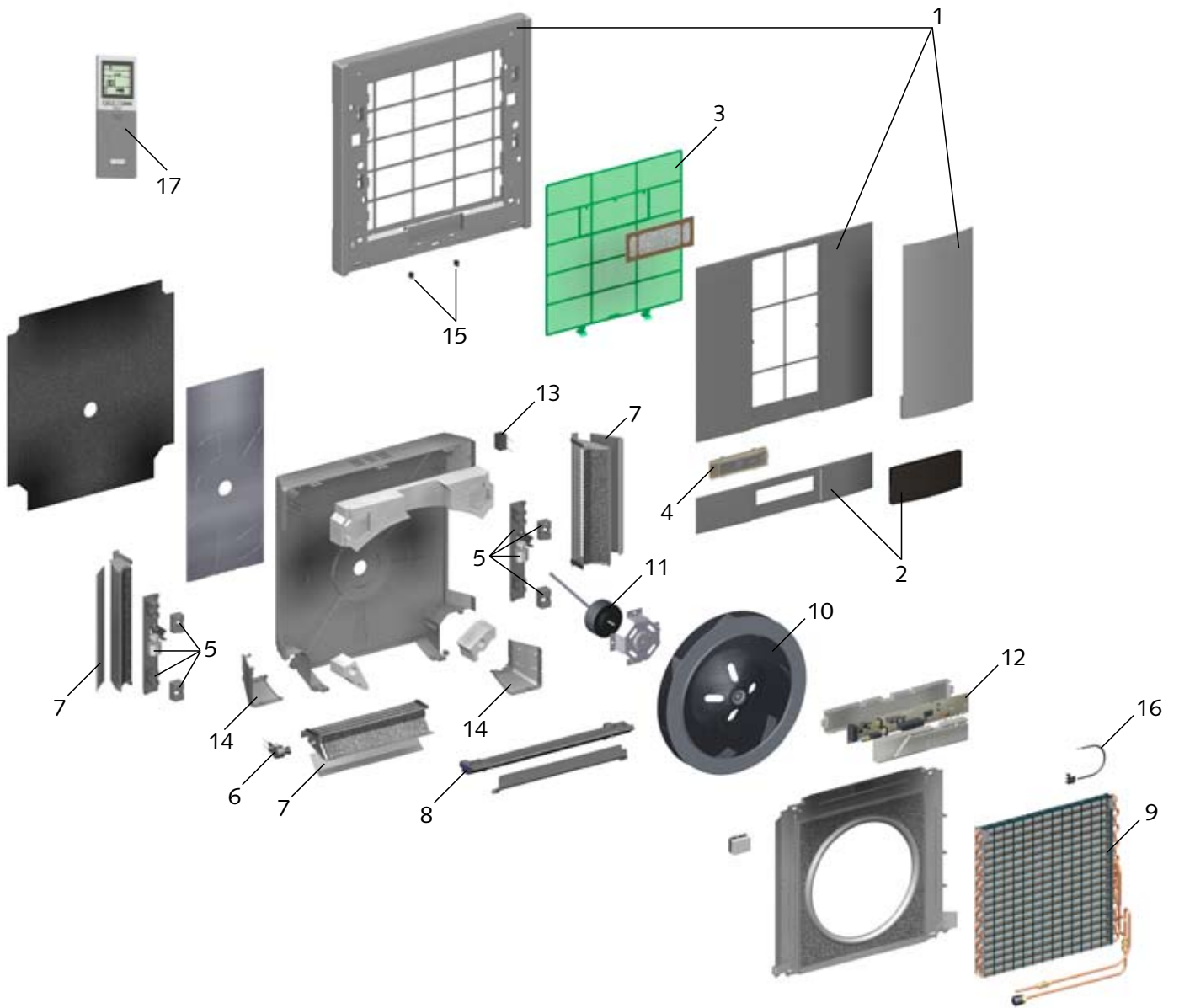


All values in mm

We reserve the right to modify the dimensions and constructional design as part of the ongoing technical development process.

REMKO ATY

Exploded view ATY 261 / ATY 351



We reserve the right to modify the dimensions and constructional design as part of the ongoing technical development process.

Spare parts list

No.	Designation	ATY 261	ATY 351
1	Air inlet cover	1107400	1107400
2	Display cover	1107401	1107401
3	Air filter	1107402	1107402
4	Display board	1107403	1107403
5	Lifting motor, set	1107404	1107404
6	Swing motor	1107405	1107405
7	Outlet fins, set	1107406	1107406
8	Condensation tray	1107439	1107439
9	Finned vaporiser	1107408	1107409
10	Fan wheel, vaporiser	1107410	1107410
11	Fan motor, vaporiser	1107411	1107412
12	Control board	1107413	1107414
13	Ion generator	1107415	1107415
14	Housing bracket, set (right&left)	1107416	1107416
15	Cover fixing clip, set	1107417	1107417
16	Frost protection sensor / circulation sensor	1107418	1107418
17	IR remote control	1107419	1107419

When ordering spare parts, please also state the computerised part no., unit number and type (see identification plate)!

Technical data

Series		ATY 261	ATY 351
Operating mode		Wall-mounted air-conditioning unit for cooling applications	
Nominal cooling output ¹⁾	kW	2.69	3.59
Energy efficiency class, cooling ¹⁾		A	A
Energy efficiency ratio EER ¹⁾		3.32	3.23
Operating range (room volume), approx.	m ³	80	110
Working range, indoor unit	°C	+16 to +32	
Adjustment range, cooling	°C	+18 to +30	+18 to +30
Refrigerant		R 410A	
Max. operating pressure / per refrigerant circuit	kPa	4200 / 4200	
Air flow rate per stage	m ³ /h	360/390/420	380/410/440
Noise output per stage ³⁾	dB(A)	33/36/40	35/37/41
Voltage supply	V/Hz	230 / 1~ / 50	
Protection degree	IP	X0	
Nom. electrical power consumption, cooling ¹⁾	kW	0.03	0.04
Nom. current consumption, cooling ¹⁾	A	0.16	0.20
Refrigerant connection, injection pipe	Inches(mm)	1/4 (6.35)	
Refrigerant connection, suction pipe	Inches(mm)	3/8 (9.52)	1/2 (12.70)
Condensation connection	mm	16	16
Dimensions	Height	567	567
	Width	567	567
	Depth	148	148
Weight	kg	12.0	12.0
Serial number		775...	776...
Computerised part no.		1621261	1621351

1) Air inlet temperature TK 27°C / FK 19°C, outdoor temperature TK 35 °C, FK 24 °C, max. air flow rate in combination with RXM 226 / RXM 335

2) Distance 1 m free air

Notes

A series of 18 horizontal light green bars, stacked vertically, intended for taking notes. Each bar is a solid, uniform light green color and spans most of the width of the page.

REMKO ACROSS EUROPE

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Profit from our experience and advice*



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Consultancy

Intensive training means our consultants are always up-to-date with the latest developments. This has given us the reputation of being more than just a good and reliable supplier:

REMKO, a partner who helps solve problems.

Sales

REMKO not only has a well-established sales network at home and abroad, it also employs highly trained sales specialists.

REMKO Our field staff are more than just salesmen: above all, they must advise our clients in the areas of air conditioning and heating technology.

Customer service

Our equipment is precise and reliable. However, should a fault should occur REMKO customer service is quickly at your side. Our comprehensive network of experienced dealers guarantees quick and reliable service.

