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Notes regarding the operating manual

Symbols

Danger
This symbol indicates dangers to the life and health of persons due to extremely flammable gas.

Warning of electrical voltage
This symbol indicates dangers to the life and health of persons due to electrical voltage.

Warning
This signal word indicates a hazard with an average risk level which, if not avoided, can result in serious injury or death.

Caution
This signal word indicates a hazard with a low risk level which, if not avoided, can result in minor or moderate injury.

Note
This signal word indicates important information (e.g. material damage), but does not indicate hazards.

Info
Information marked with this symbol helps you to carry out your tasks quickly and safely.

Follow the manual
Information marked with this symbol indicates that the operating manual must be observed.

Safety

Read this manual carefully before starting or using the device. Always store the manual in the immediate vicinity of the device or its site of use!

Warning
Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and / or serious injury. Save all warnings and instructions for future reference.

This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

• Do not use the device in potentially explosive rooms.
• Do not use the device in aggressive atmosphere.
• Set the device up in an upright and stable position.
• Let the device dry out after a wet clean. Do not operate it when wet.
• Do not use the device with wet or damp hands.
• Do not expose the device to directly squirting water.
• Never insert any objects or limbs into the device.
• Do not cover or transport the device during operation.
• Do not sit on the device.

You can download the current version of the operating manual and the EU declaration of conformity via the following link:

PAC 2100 X
https://hub.trotec.com/?id=43227

PAC 2600 X
https://hub.trotec.com/?id=43228
- This appliance is not a toy! Keep away from children and animals. Do not leave the device unattended during operation.
- Check accessories and connection parts for possible damage prior to every use of the device. Do not use any defective devices or device parts.
- Ensure that all electric cables outside of the device are protected from damage (e.g. caused by animals). Never use the device if electric cables or the power connection are damaged!
- The electrical connection must correspond to the specifications in chapter Technical data.
- Insert the mains plug into a properly secured mains socket.
- Observe the technical data when selecting extensions to the power cable. Completely unroll the extension cable. Avoid electrical overload.
- Before carrying out maintenance, care or repair work on the device, remove the mains plug from the mains socket. Hold onto the mains plug while doing so.
- Switch the device off and disconnect the power cable from the mains socket when the device is not in use.
- Do not under any circumstances use the device if you detect damages on the mains plug or power cable. If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard. Defective power cables pose a serious health risk!
- When positioning the device, observe the minimum distances from walls and other objects as well as the storage and operating conditions specified in the Technical data chapter.
- Make sure that the air inlet and outlet are not obstructed.
- Do not remove any safety signs, stickers or labels from the device. Keep all safety signs, stickers and labels in legible condition.
- Make sure that the suction side is kept free of dirt and loose objects.
- Only transport the device in an upright position with an emptied condensation tray or drain hose.
- Discharge the collected condensate before transport and storage. Do not drink it. Health hazard!

⚠️ Safety warnings for air conditioners filled with R290

- Only position the device in rooms where potentially leaking refrigerant cannot accumulate.
- Only position the device in rooms where there is no permanent source of ignition (e.g. open flames, an active gas appliance or an electric heater).
- Please note that the refrigerant is odourless.
- Only install the device in compliance with the national installation regulations.
- Observe the national gas regulations.
- Only install, operate and store the device PAC 2100 X in a room measuring more than 7 m².
- Only install, operate and store the device PAC 2600 X in a room measuring more than 9 m².
- Store the device in a way that no mechanical damage can occur.
- Please note that the connected ducts must not contain any sources of ignition.
- R290 is a refrigerant that complies with European environmental regulations. No part of the cooling circuit may be perforated.
- Do not drill through or burn.
- Do not use any means other than those recommended by the manufacturer for accelerating the defrosting process.
- Every person working with or at the refrigerant circuit must be able to provide a certificate of qualification issued by a body accredited by the industry, demonstrating their competence in the safe use of refrigerants based on a procedure well-known in the industry.
- Service work may only be carried out in accordance with the manufacturer's specifications. If maintenance and repair work require the support of additional persons, the person trained in handling flammable refrigerants shall continuously supervise the work carried out.
- Unventilated rooms, in which the device is installed, operated or stored, must be built in a way to ensure that potentially leaking refrigerant cannot accumulate. This serves to avoid fire or explosion hazards resulting from an ignition of the refrigerant by an electric furnace, cooking stove or another ignition source.
- The entire refrigerant circuit is a maintenance-free, hermetically sealed system and may only be maintained or repaired by specialist companies for cooling and air-conditioning or by Trotec.
Intended use
Only use the device for cooling, ventilating and dehumidifying indoor air whilst adhering to the technical data.

Improper use
• Do not place the device on wet or flooded ground.
• Do not place any objects, e.g. clothing, on the device.
• Do not use the device outdoors.
• Any unauthorised modifications, such as alterations or structural changes to the device, are forbidden.
• Any operation other than as described in this manual is prohibited. Non-observance renders all claims for liability and guarantee null and void.

Personnel qualifications
People who use this device must:
• be aware of the dangers that occur when working with electric devices in damp areas.
• have read and understood the operating manual, especially the Safety chapter.

Maintenance tasks which require the housing to be opened must only be carried out by specialist companies for cooling and air-conditioning or by Trotec.

Safety signs and labels on the device

Note
Do not remove any safety signs, stickers or labels from the device. Keep all safety signs, stickers and labels in legible condition.

The following safety signs and labels are attached to the device:

PAC 2600 X

WARNING • WARNUNG • ATTENTION
DE Das Gerät muss in einem Raum mit einer Grundfläche größer als 9 m² aufgestellt, betrieben und gelagert werden.
EN Appliance shall be installed, operated and stored in a room with floor area larger than 9 m².
FR L’appareil doit être installé, utilisé et entreposé dans une pièce avec une surface supérieure à 9 m².

Follow the manual
This symbol indicates that the operating manual must be observed.

Follow the repair manual
Disposal, maintenance and repair work of the refrigerant circuit may only be carried out in accordance with the manufacturer’s specifications and by persons having a certificate of qualification.
A corresponding repair manual is available from the manufacturer upon request.

Residual risks

Danger
Natural refrigerant propane (R290)!
H220 – Extremely flammable gas.
H280 – Contains gas under pressure; may explode if heated.
P210 – Keep away from heat, sparks, open flames and other ignition sources. No smoking.
P377 – Leaking gas fire: Do not extinguish, unless leak can be stopped safely.
P410+P403 – Protect from sunlight. Store in a well-ventilated place.

Warning of electrical voltage
Work on the electrical components must only be carried out by an authorised specialist company!

Warning of electrical voltage
Before any work on the device, remove the mains plug from the mains socket!
Hold onto the mains plug while pulling the power cable out of the mains socket.

Warning
Dangers can occur at the device when it is used by untrained people in an unprofessional or improper way! Observe the personnel qualifications!
Warning
The device is not a toy and does not belong in the hands of children.

Warning
Risk of suffocation!
Do not leave the packaging lying around. Children may use it as a dangerous toy.

Note
Do not operate the device without an inserted air filter! Without an air filter the inside of the device will be heavily contaminated, which could reduce the dehumidification performance and result in damage to the device.

Behaviour in the event of an emergency
1. Switch off the device.
2. In an emergency, disconnect the device from the mains feed-in: Hold onto the mains plug while pulling the power cable out of the mains socket.
3. Do not reconnect a defective device to the mains.

Information about the device
Device description
The device serves the purpose of cooling the room air. It further filters and dehumidifies the air thus creating an agreeable room climate.

The unit cools the room air by withdrawing warmth. The absorbed warmth is emitted to the outside via the exhaust air hose; cooled air is fed to the installation site by means of a fan. Accumulating condensate drips from the evaporator onto the hot condenser, there it evaporates and then is transported to the outside via the exhaust air hose.

In ventilation mode the device provides the opportunity of air circulation without cooling effect.

In dehumidification mode moisture is withdrawn from the air.

The device operates fully automatically and features a variety of further options. The device can, for instance, be switched on or off automatically with time delay via the timer function.

Operation of the device is possible either via the control panel at the device or via the supplied infrared remote control.

The device was designed for universal and flexible application. Due to its compact dimensions it can be easily transported and used in all interior spaces.

Device depiction

<table>
<thead>
<tr>
<th>No.</th>
<th>Designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Control panel</td>
</tr>
<tr>
<td>2</td>
<td>Handle</td>
</tr>
<tr>
<td>3</td>
<td>Wheels</td>
</tr>
<tr>
<td>4</td>
<td>Power cable holder</td>
</tr>
<tr>
<td>5</td>
<td>Remote control</td>
</tr>
<tr>
<td>6</td>
<td>Condensate outlet with sealing cap and rubber stopper</td>
</tr>
<tr>
<td>7</td>
<td>Air inlet</td>
</tr>
<tr>
<td>8</td>
<td>Exhaust air hose connection</td>
</tr>
<tr>
<td>9</td>
<td>Hose connector with sealing cap and rubber stopper</td>
</tr>
<tr>
<td>10</td>
<td>Air inlet with air filter</td>
</tr>
<tr>
<td>11</td>
<td>Air outlet with ventilation flaps</td>
</tr>
</tbody>
</table>
Transport and storage

Note
If you store or transport the device improperly, the device may be damaged.
Note the information regarding transport and storage of the device.

Transport
To make the device easier to transport, it is fitted with wheels.

Before transporting the device, observe the following:
• Switch off the device.
• Hold onto the mains plug while pulling the power cable out of the mains socket.
• Do not use the power cable to drag the device.
• Drain the remaining condensate from the device.
• Only wheel the device on a level and smooth surface.

After transporting the device, observe the following:
• Set up the device in an upright position after transport.
• Leave the device to rest for 12 to 24 hours, so the refrigerant can accumulate within the compressor. Wait 12 to 24 hours before switching the device back on! Acting contrary might lead to compressor damage and a malfunctioning device. If so, any warranty claims will be voided.

Storage
Before storing the device, proceed as follows:
• Drain the remaining condensate from the device.
• Hold onto the mains plug while pulling the power cable out of the mains socket.

When the device is not being used, observe the following storage conditions:
• Only store the device PAC 2100 X in a room measuring more than 7 m².
• Only store the device PAC 2600 X in a room measuring more than 9 m².
• dry and protected from frost and heat
• in an upright position where it is protected from dust and direct sunlight
• with a cover to protect it from invasive dust, if necessary
• Place no further devices or objects on top of the device to prevent it from being damaged.
• Remove batteries from the remote control.

Assembly and installation

Scope of delivery
• 1 x Device
• 1 x Exhaust air hose
• 1 x Hose adapter
• 1 x Adapter for wall mounting
• 1 x Condensation drain hose, length: 0.6 m, diameter: 13.5 mm
• 1 x Pin
• 4 x Screw
• 4 x Wall plug
• 1 x Remote control
• 1 x Manual

Unpacking the device
1. Open the cardboard box and take the device out.
2. Completely remove the packaging.
3. Fully unwind the power cable. Make sure that the power cable is not damaged and that you do not damage it during unwinding.

Start-up
When positioning the device, observe the minimum distance from walls or other objects as described in the Technical data chapter.
• Before restarting the device, check the condition of the power cable. If there are doubts as to the sound condition, contact the customer service.

• Only position the device in rooms where potentially leaking refrigerant cannot accumulate.

• Only position the device in rooms where there is no permanent source of ignition (e.g. open flames, an active gas appliance or an electric heater).

• Set the device up in an upright and stable position.

• Do not create tripping hazards when laying the power cable or other electric cables, especially when positioning the device in the middle of the room. Use cable bridges.

• Make sure that extension cables are unrolled completely.

• Keep air inlets and outlets as well as the exhaust air hose connection free.

• Make sure that no curtains or other objects interfere with the air flow.

**Inserting the air filter**

**Note**
Do not operate the device without an inserted air filter! Without an air filter the inside of the device will be heavily contaminated, which could reduce the dehumidification performance and result in damage to the device.

• Make sure that the air filter is installed before switching the device on.

**Connecting the exhaust air hose**

1. Connect the hose adapter to the other end of the exhaust air hose.

2. Shove the hose adapter with exhaust air hose sideways into the air conditioner’s exhaust air hose connection.
Discharging exhaust air

- The exhaust air coming from the device contains waste heat from the room to be cooled. For this reason it is recommended to discharge the exhaust air to the outside.
- The end of the exhaust air hose can be fed through the open window. If required, secure the open window with the corresponding means, so that the end of the exhaust air hose cannot shift.
- The end of the exhaust air hose can also be hooked into a tilted window.
  For this purpose, we recommend using a window seal (optional).
- Install the exhaust air hose inclined with the air direction.
- The connected hose must not contain any source of ignition.

*Example with exhaust air hose:*

For installing the exhaust air hose please observe the following:

- Avoid kinks and bends in the exhaust air hose, as they would lead to an accumulation of emitted humid air causing the device to overheat and shut down.
- The dimensions of the exhaust air hose were especially made to fit the device. Do not replace or extend the hose, for it could cause a malfunction.
Opening the ventilation flaps
1. Prior to switching the device on, open the ventilation flaps at the air outlet.

Connecting the power cable
- Insert the mains plug into a properly secured mains socket.

Operation
- Avoid open doors and windows.

Operating elements

<table>
<thead>
<tr>
<th>No.</th>
<th>Designation</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>MODE button</td>
<td>For selecting the operating mode:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>cooling</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ventilation</td>
</tr>
<tr>
<td></td>
<td></td>
<td>dehumidification</td>
</tr>
<tr>
<td>13</td>
<td>Minus button</td>
<td>For reducing the target temperature (17 °C to 30 °C) for cooling</td>
</tr>
<tr>
<td>14</td>
<td>Operating mode</td>
<td>Indicates the selected operating mode:</td>
</tr>
<tr>
<td></td>
<td>LED</td>
<td>Cool = cooling</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Fan = ventilation</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Dry = dehumidification</td>
</tr>
<tr>
<td>15</td>
<td>Segment display</td>
<td>Indication of the target temperature in cooling mode</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Indication of the number of hours during timer programming</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Indication of the error code, see chapter Errors and faults</td>
</tr>
<tr>
<td>16</td>
<td>Plus button</td>
<td>For increasing the target temperature (17 °C to 30 °C) for cooling</td>
</tr>
<tr>
<td>17</td>
<td>Power button</td>
<td>For switching the device on and off</td>
</tr>
</tbody>
</table>

Info
An acoustic signal is emitted each time a setting is activated.

Switching the device on
1. Allow the device to rest for a time.
2. Once you have completely installed the device as described in the Start-up chapter, you can switch it on.
3. Press the Power button (17).
   ⇒ The device switches on.
4. Select the desired operating mode.
The device switches off automatically when the condensation tank is full. P1 is displayed in the segment display (15).
Setting the operating mode

Cooling
In cooling mode the room will be cooled down to the desired target temperature.

1. Press the MODE button (12) until the Cool LED (14) is illuminated.
   ⇒ Cooling mode is selected.
2. Select the desired target temperature by use of the Plus (16) or Minus (13) buttons. Temperatures between 17 °C and 30 °C can be selected.
   ⇒ The currently selected target temperature is shown on the segment display (15).
3. The fan stage can be adjusted via the remote control:
   Press the FAN button (25) to set the desired fan stage.
   ⇒ The fan stage is shown in the FAN indication (34).

Dehumidification
In dehumidification mode the humidity level in the room is reduced.

The temperature cannot be adjusted and the fan runs at the lowest speed level.

Info
Remove the exhaust air hose during dehumidification, otherwise the performance will be insufficient.

1. Press the MODE button (12) until the Dry LED (14) is illuminated.
   ⇒ Dehumidification mode is selected.

Info
If the device is operated in a very humid environment, the accumulating condensate must be discharged at regular intervals (see chapter Condensate discharge).

Connecting the condensation drain hose
If you use the device for an extended period of time or you don’t want to empty the tank all the time, you can connect a condensation drain hose to the hose connection.

✓ The device is switched off.
✓ The device is disconnected from the mains.
1. Carefully transport or wheel the device to a suitable location for discharging the condensate (e.g. a drain) or position a suitable collection container under the condensate outlet.
2. Unscrew the sealing cap counter-clockwise from the hose connection (9).

3. Remove the rubber stopper from the hose connection.

4. Keep sealing cap and rubber stopper for later use.
5. Connect the condensation drain hose to the hose connection (9).
6. Guide the other hose end to a suitable drain or sufficiently dimensioned collection container. To ensure that the condensate can run off, the condensation drain hose must not be kinked, nor should it have to overcome an uphill incline towards the drain.

Ventilation

In *ventilation* mode the room air is circulated, it will neither be cooled nor dehumidified.

The automatic stage depends on the current room temperature and the set target temperature. The fan speed increases with a high room temperature. The fan speed decreases in case of a low room temperature.

**Info**

Remove the exhaust air hose during *ventilation*.

1. Press the *MODE* button (12) until the *Fan* LED (14) is illuminated.
   ⇒ *Ventilation* mode is selected.
2. The fan stage can be adjusted via the remote control:
   Press the *FAN* button (25) to set the desired fan stage.
   ⇒ The selected operating mode and fan stage are indicated on the display (19).

**Changing the unit °C / °F**

The temperature can be indicated in either °C or °F on the remote control’s display (19) and on the segment display (15) of the device.

1. Simultaneously press and hold the Plus (16) and Minus (13) buttons for 3 s.
   ⇒ The displayed temperature is converted to the other unit.

Alternatively, this adjustment can be made via the remote control.

1. Press the arrow button (26) for 3 s.
   ⇒ The displayed temperature is converted to the other unit.
Remote control

All settings of the device can also be made using the remote control included in the scope of delivery.
Insert suitable batteries in the remote control (see chapter Technical annex).

Info

After a longer period of non-use, the remote control will switch to standby mode. Standby mode can be terminated by pressing the ON/OFF button (33) on the remote control. The device automatically uses the current settings entered via the remote control.

<table>
<thead>
<tr>
<th>No.</th>
<th>Designation</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>18</td>
<td>Signal receiver</td>
<td>Communication between device and remote control using infrared</td>
</tr>
<tr>
<td>19</td>
<td>Display</td>
<td>Indication of different device functions</td>
</tr>
<tr>
<td>20</td>
<td>SHORT CUT button</td>
<td>Saving preferred settings</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Returning to the previous setting</td>
</tr>
<tr>
<td>21</td>
<td>TIMER ON button</td>
<td>Automatic switch-on timer function in increments of 0.5 hours (0 to 10 h)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>or in increments of 1 hour (10 to 24 h)</td>
</tr>
<tr>
<td>22</td>
<td>TIMER OFF button</td>
<td>Automatic switch-off timer function in increments of 0.5 hours (0 to 10 h)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>or in increments of 1 hour (10 to 24 h)</td>
</tr>
<tr>
<td>23</td>
<td>LED button</td>
<td>Switching the LEDs on the control panel on or off</td>
</tr>
<tr>
<td>24</td>
<td>SLEEP button</td>
<td>Switching night mode on and off</td>
</tr>
<tr>
<td>25</td>
<td>FAN button</td>
<td>Setting the fan stage: stage 1 = low fan speed</td>
</tr>
<tr>
<td></td>
<td></td>
<td>stage 2 = high fan speed</td>
</tr>
<tr>
<td></td>
<td></td>
<td>The automatic stage can be selected also</td>
</tr>
<tr>
<td>26</td>
<td>Arrow button</td>
<td>Setting the target temperature for cooling</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Setting the number of hours for the timer (0.5 to 24 h)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Changing the unit °C / °F</td>
</tr>
<tr>
<td>27</td>
<td>MODE button</td>
<td>Selecting the operating mode:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Auto = automatic operation</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Cool = cooling</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Dry = dehumidification</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Fan = ventilation</td>
</tr>
<tr>
<td>28</td>
<td>ON/OFF button</td>
<td>Power button: Switching the device on and off</td>
</tr>
<tr>
<td>29</td>
<td>Standby indication</td>
<td>Displayed when the remote control is in standby mode</td>
</tr>
<tr>
<td>30</td>
<td>Timer On/Off indication</td>
<td>Displayed for automatic switch-on/-off with programmed timer</td>
</tr>
<tr>
<td>32</td>
<td>Indication of night mode</td>
<td>Displayed when night mode is activated</td>
</tr>
<tr>
<td>33</td>
<td>Segment display</td>
<td>Indication of target temperature</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Indication of preferred settings</td>
</tr>
<tr>
<td></td>
<td></td>
<td>°C / °F indication</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Indication of the number of hours during timer programming</td>
</tr>
<tr>
<td>34</td>
<td>FAN indication</td>
<td>Indicates the fan stage</td>
</tr>
<tr>
<td>35</td>
<td>Operating mode indication</td>
<td>Indicates the selected operating mode</td>
</tr>
<tr>
<td>36</td>
<td>Transmitter indication</td>
<td>Displayed during communication</td>
</tr>
<tr>
<td></td>
<td></td>
<td>between device and remote control</td>
</tr>
<tr>
<td>37</td>
<td>FOLLOW ME button</td>
<td>Switching the Follow Me function on or off</td>
</tr>
<tr>
<td>38</td>
<td>FOLLOW ME indication</td>
<td>Is displayed when the Follow Me function is activated</td>
</tr>
</tbody>
</table>
Setting the timer

The timer has two modes of operation:

- automatic switch-on upon expiry of a preset number of hours
- automatic switch-off upon expiry of a preset number of hours

The timer can be programmed in increments of 0.5 hours (0 to 10 h) or in increments of 1 hour (10 to 24 h).

This setting can only be made using the remote control.

The function can be set in all operating modes. It can be activated both during operation and in standby mode.

Automatic switch-on and automatic switch-off may be enabled at the same time. If so, Timer On and Timer Off will both be displayed simultaneously.

Note

Do not leave the operating device unattended in a freely accessible room with an activated timer.

Automatic switch-on

- The device is switched off.
1. Press the TIMER ON button (21) to activate the timer.
2. Hold or repeatedly press the TIMER ON button (21) to select the desired number of hours until automatic switch-on.
3. Wait for 3 seconds to confirm the setting.
   - The number of hours until automatic switch-on will be indicated for approx. 3 s both on the display (19) and the segment display (15).
   - The Timer On setting will also be indicated on the display (19).
   - A dot will be indicated in the bottom right corner of the segment display (15).
   - After the predefined time, the device switches itself on.

Notes regarding automatic switch-on:
- If the device is disconnected from the power supply, all settings for automatic switch-on are deleted.
- Manually switching the device on disables the automatic switch-on function.
- If you select 0 hours, the timer will be off.

Automatic switch-off

- The device is switched on.
1. Press the TIMER OFF button (22) to activate the timer.
2. Hold or repeatedly press the TIMER OFF button (22) to select the desired number of hours until automatic switch-off.
3. Wait for 3 seconds to confirm the setting.
   - The number of hours until automatic switch-off will be indicated for approx. 3 s both on the display (19) and the segment display (15).
   - The Timer Off setting will also be indicated on the display (19).
   - A dot will be indicated in the bottom right corner of the segment display (15).
   - After the predefined time, the device switches itself off.

Automatic operation

During automatic operation cooling and ventilation are regulated depending on the ambient and target temperature.

This setting can only be made using the remote control.
1. Use the MODE button (27) to select Auto mode.
   - Auto mode is displayed in the operating mode indication (35).

Night mode

Night mode can be activated in cooling mode and during automatic operation.

This setting can only be made using the remote control.

Night mode comes with the following settings:
- After 30 minutes the preset temperature is increased by 1 °C. After 1 hour the preset temperature will again be increased by 1 °C. Then the temperature is kept constant for 7 hours. Subsequently, the device switches back to the preset temperature from before night mode.
- Ventilation is preset to the automatic stage and cannot be adjusted.

To activate night mode, please proceed as follows:
1. Select cooling mode or automatic operation.
2. Press the SLEEP button (24).
   - Both the night mode and the automatic stage will be indicated on the display (19).
3. In order to switch the night mode off, press the SLEEP button (24) once again.
   - The night mode indication (32) disappears.
   - The automatic stage remains unaffected.
Switching the LEDs on the control panel on or off

The control panel illumination at the devices can be switched on and off.

This setting can only be made using the remote control.

1. Press the LED button (23).
   ⇒ The LEDs on the control panel will be switched off.
   ⇒ The device continues to run with the selected settings.
2. Press the LED button (23) again.
   ⇒ The LEDs on the control panel will be switched back on.

Saving preferred settings

You can save your preferred settings and return to the previous setting.

This setting can only be made using the remote control.

1. Press and hold the SHORT CUT button (20) for 3 s.
   ⇒ The display (19) goes blank for 1 s.
   ⇒ The current settings including operating mode, target temperature, fan stage and night mode (if activated) will be saved.
2. Press the SHORT CUT button (20) for 1 s.
   ⇒ The display (19) goes blank for 1 s.
   ⇒ The device returns to the previous setting including operating mode, target temperature, fan stage and night mode (if activated).
3. In order to delete the settings, press the SHORT CUT button (20) again for 3 s.
   ⇒ The display (19) goes blank for 1 s.
   ⇒ The settings are now deleted.

Follow Me function

Using the Follow Me function, the remote control measures the temperature at your current location. The degree of cooling is controlled by the air conditioner based on the measured temperature.

The Follow Me function can be activated in cooling mode and during automatic operation.

1. Press the FOLLOW ME button (37).
   ⇒ The FOLLOW ME indication (38) appears on the display (19).
   ⇒ The remote control sends a temperature signal to the air conditioner every 3 minutes.
2. Press the FOLLOW ME button (37) again to disable the Follow Me function.

Memory function

After a power failure during operation the device will automatically be switched back on. The chosen operating mode settings will be saved, a possibly programmed timer will not.

All the chosen settings (incl. timer) remain saved on the remote control. As soon as the device receives an input from the remote control, the settings will be transmitted from the remote control to the device.

The compressor may start up with a delay of 3 min, as it is provided with an internal protection against direct restart.

Energy saving

Upon reaching the preselected target temperature the compressor will be switched off automatically in order to reduce the power consumption.

Once the preselected target temperature is exceeded, the compressor switches back on.

Automatic defrost

At low ambient temperatures, ice may form at the evaporator. The device will then carry out an automatic defrost. The compressor switches off and the fan keeps running until defrosting is completed. The duration of the defrost process can vary.

Do not switch the device off during automatic defrost. Do not remove the mains plug from the mains socket.

Shutdown

⚠️ Warning of electrical voltage

Do not touch the mains plug with wet or damp hands.

• Switch off the device.
• Hold onto the mains plug while pulling the power cable out of the mains socket.
• Empty the condensation tray if necessary.
• If necessary, remove the condensation drain hose and any residual fluid from it.
• Clean the device according to the Maintenance chapter.
• Store the device according to the Storage chapter.

Errors and faults

The device has been checked for proper functioning several times during production. If malfunctions occur nonetheless, check the device according to the following list.

The device does not start:

• Check the power connection.
• Check the power cable and mains plug for damages.
• Check the on-site fusing.
• Observe the operating temperature according to the Technical data chapter.
• The condensation tank may be full. Empty the condensation tank, if need be. The error code P1 must not be indicated on the segment display.
• Wait for 10 minutes before restarting the device. If the device is not starting, have the electrics checked by a specialist company or by Trotec.
The device works with reduced or no cooling capacity:

- Check whether *cooling* mode is selected.
- Check the proper fit of the exhaust air hose. In case of kinks, bends or blockage in the hose, exhaust air cannot be discharged. Clear the way for the exhaust air.
- Check the position of the ventilation flaps. They should be opened to the maximum.
- Check the air filter(s) for dirt. If necessary, clean or replace the air filter(s).
- Check the minimum distance to walls or other objects. Position the device a little more in the room’s centre if required.
- Check whether any windows and/or doors of the room are open. If so, close them. One window has to remain open for the exhaust air hose nonetheless.
- Check the temperature setting at the device. Reduce the set temperature if it is higher than the room temperature.

The device is loud or vibrates:

- Check whether the device is set up in a stable and upright position.

Condensate is leaking:

- Check the device for leaks.

The compressor does not start:

- Check whether the overheating protection of the compressor has tripped. Disconnect the device from the mains and let it cool down for approx. 10 minutes before reconnecting it.
- Check whether the ambient temperature equals the target temperature (in *cooling* mode). The compressor will not switch on unless the respective temperature is reached.
- The compressor may start up with a delay of 3 minutes, as it is provided with an internal protection against direct restart.

The device gets very warm, is loud or loses power:

- Check the air inlets and air filters for dirt. Remove external dirt.
- From the outside, check the device for dirt (see chapter Maintenance). If the inside of the device is dirty, have it cleaned by a specialist company for cooling and air-conditioning or by Trotec.

The device does not respond to the infrared remote control:

- Check whether the distance between remote control and device is too large and reduce it if necessary.
- Make sure there are no obstacles, such as furniture or walls, between the device and the remote control. Ensure visual contact between device and remote control.
- Check the charging status of the batteries and change them if required.
- If the batteries have only just been changed, check them for correct polarity and change them if required.
- Check whether the remote control is still in standby mode. Standby mode can be terminated by pressing the *ON/OFF* button (28) on the remote control.

**Note**
Wait for at least 3 minutes after maintenance and repair work. Only then switch the device back on.

Your device still does not operate correctly after these checks?
Please contact the customer service. If necessary, bring the device to a specialist company for cooling and air-conditioning or to Trotec for repair.

Error codes
The following error messages can be displayed in the segment display (15):

<table>
<thead>
<tr>
<th>Error code</th>
<th>Cause</th>
<th>Remedy</th>
</tr>
</thead>
<tbody>
<tr>
<td>E1</td>
<td>Fault at temperature sensor</td>
<td>Disconnect the device briefly from the mains. Should the error still be displayed after the restart, please contact the customer service.</td>
</tr>
<tr>
<td>E2</td>
<td>Fault at humidity sensor</td>
<td></td>
</tr>
<tr>
<td>E4</td>
<td>Fault at control panel</td>
<td></td>
</tr>
<tr>
<td>P1</td>
<td>Condensation tank full</td>
<td>Empty the condensation tank. Should the error still be displayed, please contact the customer service.</td>
</tr>
</tbody>
</table>
## Maintenance

### Maintenance intervals

<table>
<thead>
<tr>
<th>Maintenance and care interval</th>
<th>before every start-up</th>
<th>as needed</th>
<th>at least every 2 weeks</th>
<th>at least every 4 weeks</th>
<th>at least every 6 months</th>
<th>at least annually</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check the air inlets and outlets for dirt and foreign objects and clean if necessary</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Clean the exterior</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Visually check the inside of the device for dirt</td>
<td></td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Check the air filter for dirt and foreign objects and clean or replace if necessary</td>
<td>X</td>
<td>X</td>
<td></td>
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<td></td>
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</tr>
<tr>
<td>Replace the air filter</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Check for damage</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Check the attachment screws</td>
<td></td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Test run</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Empty the condensation tray and drain hose</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>X</td>
</tr>
</tbody>
</table>

### Maintenance and care log

#### Device type: .............................................  Device number: ....................................

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<thead>
<tr>
<th>Maintenance and care interval</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
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<th>12</th>
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<th>14</th>
<th>15</th>
<th>16</th>
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<tr>
<td>Check air inlets and outlets for dirt and foreign objects and clean if necessary</td>
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<td>Clean the exterior</td>
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<tr>
<td>Visually check the inside of the device for dirt</td>
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<tr>
<td>Check the air filter for dirt and foreign objects and clean or replace if necessary</td>
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<tr>
<td>Replace the air filter</td>
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<tr>
<td>Check for damage</td>
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<tr>
<td>Check the attachment screws</td>
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<tr>
<td>Test run</td>
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<tr>
<td>Empty the condensation tray and drain hose</td>
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</tbody>
</table>

1. Date: ...................................  Signature: ....................................
2. Date: ...................................  Signature: ....................................
3. Date: ...................................  Signature: ....................................
4. Date: ...................................  Signature: ....................................
5. Date: ...................................  Signature: ....................................
6. Date: ...................................  Signature: ....................................
7. Date: ...................................  Signature: ....................................
8. Date: ...................................  Signature: ....................................
9. Date: ...................................  Signature: ....................................
10. Date: .................................  Signature: ....................................
11. Date: .................................  Signature: ....................................
12. Date: .................................  Signature: ....................................
13. Date: .................................  Signature: ....................................
14. Date: .................................  Signature: ....................................
15. Date: .................................  Signature: ....................................
16. Date: .................................  Signature: ....................................
Activities required before starting maintenance

⚠️ Warning of electrical voltage
Do not touch the mains plug with wet or damp hands.
• Switch the device off.
• Hold onto the mains plug while pulling the power cable out of the mains socket.

⚠️ Warning of electrical voltage
Tasks which require the housing to be opened must only be carried out by authorised specialist companies or by Trotec.

Refrigerant circuit

⚠️ Danger
Natural refrigerant propane (R290)!
H220 – Extremely flammable gas.
H280 – Contains gas under pressure; may explode if heated.
P210 – Keep away from heat, sparks, open flames and other ignition sources. No smoking.
P377 – Leaking gas fire: Do not extinguish, unless leak can be stopped safely.
P410+P403 – Protect from sunlight. Store in a well-ventilated place.
• The entire refrigerant circuit is a maintenance-free, hermetically sealed system and may only be maintained or repaired by specialist companies for cooling and air-conditioning or by Trotec.

Safety signs and labels on the device
Check the safety signs and labels attached to the device at regular intervals. Replace illegible safety signs!

Cleaning the housing
Clean the housing with a soft, damp and lint-free cloth. Ensure that no moisture enters the housing. Protect electrical components from moisture. Do not use any aggressive cleaning agents such as cleaning sprays, solvents, alcohol-based or abrasive cleaners to dampen the cloth.

Visual inspection of the inside of the device for dirt
1. Remove the air filter.
2. Use a torch to illuminate the openings of the device.
3. Check the inside of the device for dirt.
4. If you see a thick layer of dust, have the inside of the device cleaned by a specialist company for cooling and air-conditioning or by Trotec.
5. Put the air filter back in.

Cleaning the air filter
The air filter has to be cleaned as soon as it is dirty. This is brought to light e.g. by a reduced capacity (see chapter Errors and faults).

⚠️ Warning
Ensure that the air filter is not worn or damaged. The corners and edges of the air filter must not be deformed or rounded. Before reinserting the air filter, make sure that it is undamaged and dry!

1. Remove the air filter from the device.

2. Clean the filter using a slightly damp, soft, lint-free cloth. If the filter is heavily contaminated, clean it with warm water mixed with a neutral cleaning agent.
3. Allow the filter to dry completely. Do not insert a wet filter into the device!
4. Reinsert the air filter into the device.

2. Remove sealing cap and rubber stopper from the condensate outlet.

Condensate discharge (manual draining)

In cooling and dehumidification mode condensate is formed, which is mostly discharged via the exhaust air.

The remaining condensate is collected in a container within the housing. The condensate ought to be drained regularly. If too much condensate accumulates, the device switches off and indicates this via an acoustic signal and the P1 indication on the segment display (15).

1. Carefully transport or wheel the device to a suitable location for discharging the condensate (e.g. a drain) or position a suitable collection container under the condensate outlet.

3. Drain the condensate.

4. Reinsert the rubber stopper in the condensate outlet and reattach the sealing cap. Ensure the tight fit of the rubber stopper, for otherwise there might be uncontrolled water leakage.

⇒ The P1 error code on the segment display (15) will disappear as soon as the condensate has been drained.
Activities required after maintenance
If you want to continue using the device:
• Leave the device to rest for 12 to 24 hours, so the refrigerant can accumulate within the compressor. Wait 12 to 24 hours before switching the device back on! Acting contrary might lead to compressor damage and a malfunctioning device. If so, any warranty claims will be voided.
• Reconnect the device to the mains.
If you do not intend to use the device for a considerable time:
• Store the device according to the Storage chapter.
## Technical annex

### Technical data

<table>
<thead>
<tr>
<th>Model</th>
<th>PAC 2100 X</th>
<th>PAC 2600 X</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cooling capacity</td>
<td>2.0 kW</td>
<td>2.6 kW</td>
</tr>
<tr>
<td>Dehumidification performance</td>
<td>1.8 l/h</td>
<td>2.1 l/h</td>
</tr>
<tr>
<td>Operating temperature</td>
<td>17 °C to 35 °C</td>
<td>17 °C to 35 °C</td>
</tr>
<tr>
<td>Temperature setting range</td>
<td>17 °C to 30 °C</td>
<td>17 °C to 30 °C</td>
</tr>
<tr>
<td>Max. air volume flow</td>
<td>310 m³/h</td>
<td>295 m³/h</td>
</tr>
<tr>
<td>Mains connection</td>
<td>1/N/PE~ 220 V – 240 V / 50 Hz</td>
<td>1/N/PE~ 220 V – 240 V / 50 Hz</td>
</tr>
<tr>
<td>Nominal current</td>
<td>5.0 A</td>
<td>6.22 A</td>
</tr>
<tr>
<td>Power input (cooling operation)</td>
<td>0.75 kW</td>
<td>1.0 kW</td>
</tr>
<tr>
<td>Sound pressure level</td>
<td>53 dB(A)</td>
<td>53 dB(A)</td>
</tr>
<tr>
<td>Refrigerant</td>
<td>R-290</td>
<td>R-290</td>
</tr>
<tr>
<td>Amount of refrigerant</td>
<td>130 g</td>
<td>170 g</td>
</tr>
<tr>
<td>GWP factor</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>CO₂ equivalent</td>
<td>0.00039 t</td>
<td>0.00051 t</td>
</tr>
<tr>
<td>Dimensions (length x width x height)</td>
<td>355 x 345 x 703 mm</td>
<td>355 x 345 x 703 mm</td>
</tr>
<tr>
<td>Minimum distance to walls and other objects:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>top (A):</td>
<td>30 cm</td>
<td>30 cm</td>
</tr>
<tr>
<td>rear (B):</td>
<td>30 cm</td>
<td>30 cm</td>
</tr>
<tr>
<td>sides (C):</td>
<td>30 cm</td>
<td>30 cm</td>
</tr>
<tr>
<td>front (D):</td>
<td>30 cm</td>
<td>30 cm</td>
</tr>
<tr>
<td>Weight</td>
<td>23.5 kg</td>
<td>25 kg</td>
</tr>
<tr>
<td>Remote control batteries</td>
<td>Type LR03 / AAA – 1.5 V (2 pcs.)</td>
<td>Type LR03 / AAA – 1.5 V (2 pcs.)</td>
</tr>
</tbody>
</table>

## Disposal

The icon with the crossed-out waste bin on waste electrical or electronic equipment stipulates that this equipment must not be disposed of with the household waste at the end of its life. You will find collection points for free return of waste electrical and electronic equipment in your vicinity. The addresses can be obtained from your municipality or local administration. For further return options provided by us please refer to our website www.trotec24.com.

The separate collection of waste electrical and electronic equipment aims to enable the re-use, recycling and other forms of recovery of waste equipment as well as to prevent negative effects for the environment and human health caused by the disposal of hazardous substances potentially contained in the equipment.

Have the refrigerant (propane) disposed of appropriately and according to the national regulations by a company with the relevant certification (European Waste Catalogue 160504).

In the European Union, batteries and accumulators must not be treated as domestic waste, but must be disposed of professionally in accordance with Directive 2006/66/EC of the European Parliament and of the Council of 6 September 2006 on batteries and accumulators. Please dispose of batteries and accumulators according to the relevant legal requirements.