



INVENTER

Installation and operating instructions

Pulsar Basic



Exhaust fan



www.inventer.eu

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Disclaimer

This documentation represents a translation of the original German installation and operating instructions. It must be passed on to the user (tenant, owner, property management, etc.) after completion of the installation.

The contents of this documentation have been checked for conformity with the hardware and software described. Nevertheless, deviations cannot be excluded, so that no guarantee can be given for complete conformity.

This documentation describes the functionality of the standard range. For reasons of clarity, the documentation does not contain all detailed information on all types of the product and cannot take into account every conceivable case of operation, cleaning and maintenance.

The illustrations in this documentation may differ slightly from the design of the product you have purchased. The function remains the same despite the difference in detail.

This documentation is updated regularly. Necessary corrections and appropriate supplements are always included in subsequent editions.

You can also find the latest version at:

www.inventer.eu/downloads.

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1 User and Safety instructions

Thank you for purchasing this high quality product from inVENTer!

This section provides an overview of the basic safety precautions for safe and proper operation of your ventilation system.

1.1 User information

Safety and warning instructions

The safety and warning instructions in these installation instructions have a uniform structure and are marked with a symbol on the left side of the instruction. The color of the symbol indicates the hazard level. A signal word in front of the text also indicates the hazard level. If several hazard levels occur, the safety note for the highest level is always used.



SIGNAL WORD

Type and origin of the hazard.

Possible consequences of the danger!

- Measures to avoid hazard.

The signal word indicates the severity of the potential hazard unless the preventive measures are taken:



DANGER means: Imminent danger of serious injury or death.



Warning means: Possible danger of serious injury or death.



CAUTION means: Direct danger or minor/significant injury.



NOTICE means: Direct or possible risk of property damage due to an adverse event/state.

Other symbols used in this documentation



A **TIP** symbol indicates practical and useful tips for handling your exhaust fan.



Additional **tools** are required to perform task



Action required: This prompts the user to perform a specific action.



Check results: Requires user to check results of the action performed.

All graphics represent the interior wall.

1.2 Safety instructions



The operating instructions are part of your ventilation unit and must be available at all times (see www.inventer.eu/downloads). When the unit/system is handed over to a third party, the installation and operating instructions must also be handed over. Before carrying out any work on the system, read this documentation carefully and observe all the instructions for installation, commissioning and maintenance given in this chapter. In addition, observe the safety instructions that precede the instructions described.

Failure to observe the safety instructions may result in personal injury and/or damage to property.

Intended use

The Pulsar Basic exhaust air fan (hereinafter referred to as "Pulsar Basic") is used for ventilating rooms with external windows, taking into account the technical data specified in this manual, described applications and only in conjunction with the components recommended and approved by inVENTer GmbH and specified in this documentation.

Modifications or conversions to the device are not permitted.

The Pulsar Basic complies with the technical safety requirements and standards of electrical appliances for domestic use. It may only be set up and operated in conjunction with this documentation.

Faultless and safe operation of the device requires proper operation and maintenance.

Observe the applicable standards, regulations and directives when carrying out work.

The Pulsar Basic is designed for permanent installation with permanent wiring.

DANGER: The device may only be installed by qualified personnel.

- Observe the specifications of protection class II when laying the power supply cable.

- Run all devices of a ventilation system on the same circuit breaker.

- Lay and connect the cable only when it is disconnected from the power supply!

- It must be ensured that the mains power supply (voltage, frequency) corresponds to the specifications on the type plate.

- Before working on electrical equipment, disconnect all affected equipment from the power supply (switch at the bottom left of the control unit).

- Before drilling, check whether there are any lines in the drilling area.

DANGER: Observe the installation regulations according to VDE 0100 when connecting in damp areas.

- Mount Pulsar Basic exclusively outside Protected area 0. (📖 Chapter 3.1, page 8).

- Do not use the Pulsar Basic in locations where direct contact with splash water is possible over a long period of time and/or the device is exposed to direct jets of water.

WARNING: For the joint operation of a ventilation unit with fireplaces, securing measures must be taken to prevent the occurrence of negative pressure in the building. The decision as to which measures should be carried out is made by the responsible chimney sweep and/or building planner.

CAUTION: The Pulsar Basic must not be operated and cleaned by children and/or persons who, due to their physical, sensory or mental capabilities, inexperience or lack of knowledge, are not safely able to do so, unless they are supervised by a person responsible for their safety or have been instructed by him/her on how to operate the ventilation unit. Small children must be supervised so that they do not play with the device.

NOTICE The use of a too small cable cross-section leads to a too high voltage drop and/or the contacting is not guaranteed!

NOTICE Ensure sufficient contacting of the lines when connecting the Pulsar Basic.

NOTICE Laying cables whose sheathing under plaster is not plaster-resistant leads to short circuits and cable fires! Lay cables without a plaster-resistant cable sheath in the empty conduit.

NOTICE The device has plastic surfaces that are sensitive to scratches. Do not touch components with oily and/or dirty hands. Avoid contact with sharp or pointed objects.

• Ensure that there is sufficient air supply in the room.

- The exhaust fan must not be put into operation until the construction work has been completed.

Use contrary to the intended purpose leads to the exclusion of any liability claims.

Improper use

Do not operate the equipment in areas where the following may enter or occur:

- Environment with high oil or grease content.
- Flammable gases, liquids or vapours.
- Environment temperatures outside 5 – 50 °C
- Possible obstacles to access the fan or the removal of the fan.

Qualified personnel

Mounting and electrical connection of the device may only be carried out by qualified personnel.

Qualified personnel in the sense of the safety instructions in this documentation are persons who are authorized to install, commission and label devices, systems and circuits in accordance with safety engineering standards.

Conformity

The Pulsar Basic meets the requirement for mechanical safety (DIN EN 60335-2-80).

The full text of the EU Declaration of Conformity is available at the following Internet address:
<https://www.inventer.eu/downloads/>

2 System overview

The Pulsar Basic is an innovative exhaust fan with a contemporary design. It improves the basic ventilation in your rooms and enables continuous ventilation to reduce humidity and odours in wet rooms (WC/bath/shower room/laundryroom).

The Pulsar Basic can be used in conjunction with the aV100 wall mounting set, or in another wall mounting sleeve with diameter 100... 140 mm can be installed (check valve must be retrofitted on site in this case). Installation is possible in ceilings and exterior walls. The Pulsar Basic allows connection directly to the 230 V mains or via a power supply unit.

To ensure that the Pulsar Basic does not interfere with other ventilation and that its function is not interfered with by other ventilation processes, it must always be installed in its own wall sleeve. There must be no obstacles or other objects in it that could interfere with the airflow. To avoid any condensation that may occur in wall sleeves (in winter), they must be insulated at the points where they pass through unheated areas, such as cold attics.

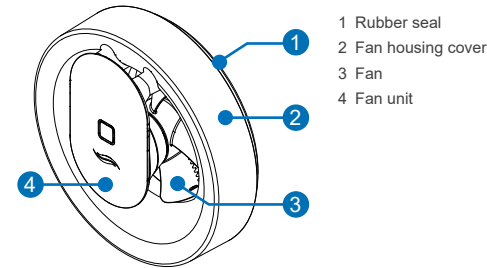


Abbildung 1: Exhaust fan Pulsar Basic

2.1 Functions

Depending on the electrical connection, the Pulsar Basic can ventilate the room either continuously (continuous ventilation at 30 m³/h and via sensors) or on demand (exclusively via sensors, no continuous ventilation). The integrated sensors enable the following functions:

- **Controlled by light incidence:**
 When the lighting conditions change, when light is switched on, the shadows change or when a person enters the room, the fan starts with an air flow rate of about 60 m³/h. The fan is then switched on again. In addition, a time overrun is activated.
 After being switched on, the Pulsar Basic continues to run until the end of the overrun time and then, depending on the connection, switches back to an air flow rate of 30 m³/h or off. The time lag is preset to 15 minutes and cannot be changed.

- **Controlled by humidity sensor (automatic humidity monitoring):**
 If the humidity in the interior increases very sharply within a short period of time, for example when the shower is in use (peak humidity loads), the air flow rate rises to a maximum of 110 m³/h.

3 Preparing for installation

3.1 Installation conditions

Electrical protection areas according to VDE 0100



DANGER:
Ingress of water into the Pulsar Basic exhaust fan or its power source.

Electric shock and overheating due to short circuit (230V, 50 Hz)!

- Mount the Pulsar Basic outside the protected area 0.
- Only install the Pulsar Basic in areas of protection zone 1 in which **no** direct contact with splash water is possible over a longer period of time and/or the unit is **not exposed to direct jets of water**.
- Install light switches/switches/pushbuttons outside the protected area 0 to 2.

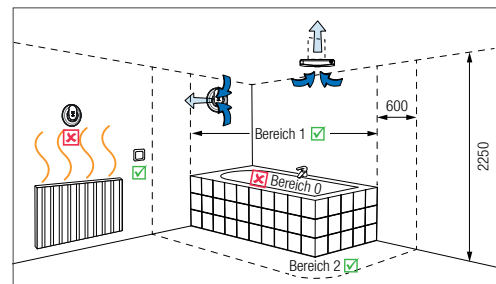


Abbildung 2: Overview electrical protection areas in the bathroom

Positioning of the Pulsar Basic

- Install the Pulsar Basic exhaust fan **in the air volume flow** of the room to ensure optimum humidity discharge and reliable readings from the humidity sensor.

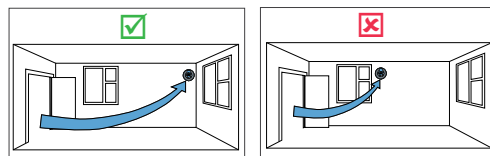


Abbildung 3: Correct/Incorrect positioning

- Do not place the ventilation unit above radiators, room thermostats and/or sensitive furniture.
- Ensure that there is sufficient air supply in the room.

Cable cross sections

- Supply line, AC 230 V, 50 Hz:
Cable cross-section 1.5 mm²
- Operating voltage to exhaust air unit, DC 12 V,
Cable cross-section max. 1.5 mm²
- Capacity of connection terminals on exhaust air unit:
max. 1.5 mm²

3.2 Dimensions

- Keep a minimum distance of 250 mm from components at the front and all around.

Designation	Depth/ Length [mm]	Ø [mm]
Wall openings (drill holes):		
Masonry (wall sleeve ¹⁾)	Wall thickness	115
Intermediate ceiling	Wall thickness	105
Flush-mounting box power supply unit ¹⁾	66	68
Cavity wall box power supply unit ¹⁾	61	68
Mounting elements:		
Exhaust fan Pulsar Basic	81	177
Wall mounting sleeve DN 100 ¹⁾	Wall thickness	100
Power supply unit ¹⁾ (12V DC)	32	54

¹⁾ aV100 wall mounting set (wall sleeve incl. weather protection hood), power supply unit and mounting boxes are available from inVENTer GmbH.

4 Electrical connection

The Pulsar Basic exhaust fan can be connected directly to the AC 230 V mains or operated with protective extra-low voltage 12 V DC (SELV). A power supply unit is optionally available.



NOTICE With simultaneous connection of 230 V AC and 12 V DC,

Damage to the Pulsar Basic exhaust fan!

- Never connect the Pulsar Basic exhaust fan to 230 V AC and 12 V DC at the same time.



NOTICE Laying the power supply cable over the cover of the circuit board

will damage the circuit board and impair the function of the Pulsar Basic!

- Do not lay the AC 230 V mains connection cable over the circuit board.

3.3 Dimensional drawings

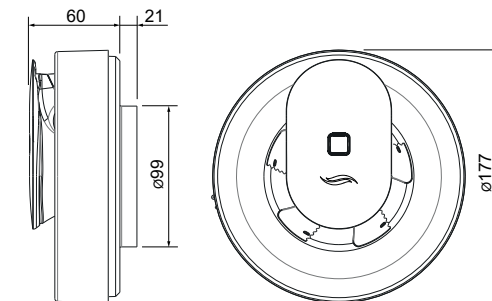
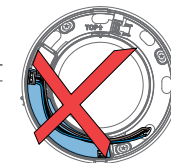
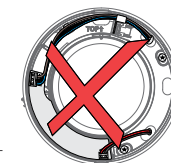


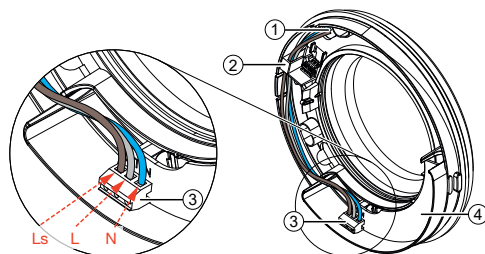
Abbildung 4: Positioning of the Pulsar Basic



4.1 Electrical connection 230 V AC (Alternating Current)

Connection terminal Mains connection cable

Terminal assignment



- 1 Cable input Mains connection cable
- 2 Cable bushing Mains connection cable
- 3 Connection terminal Mains connection cable, 230 V AC, 3-pole
- 4 Circuit board

Clamp	Labeling	Definition
N	N	Neutral conductor
L	L	Conductor, phase
LS	T	Phase, switched

Abbildung 5: Circuit board - Connection terminal Mains connection cable 230 V AC

Wiring diagrams 230 V connection

The connection of the exhaust fan depends on the desired functions. Make sure you connect the exhaust fan properly and select the correct presets for your functions during start-up.

Sensor controlled functions

Sensor controlled, with continuous ventilation:

- Continuous ventilation with an air flow rate of 30 m³/h.
- Sensors are enabled.
- Increase fan power in case of increased humidity (110 m³/h, no overrun) or under the influence of light changes (60 m³/h, overrun).

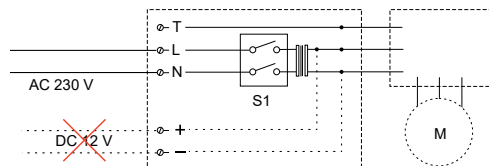


Abbildung 6: Pulsar Basic 230 V AC with overrun function

Sensor controlled, with out continuous ventilation:

- Controlled ventilation required.
- Sensors are enabled.
- Increase fan power in case of increased humidity (110 m³/h, no overrun) or under the influence of light changes (60 m³/h, overrun).

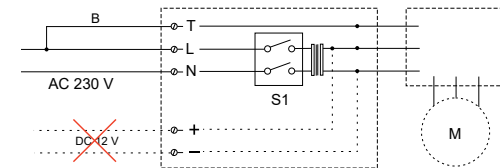


Abbildung 7: Pulsar Basic 230 V AC without overrun function

Switch controlled functions

Sensor controlled, with additional external on/off switch:

- Controlled ventilation required.
- Sensors are enabled.
- Increase fan power in case of increased humidity (110 m³/h, no overrun) or under the influence of light changes (60 m³/h, overrun).
- It is possible to switch the Pulsar Basic on or off manually at the external switch S. The external switching element must have an NC contact.

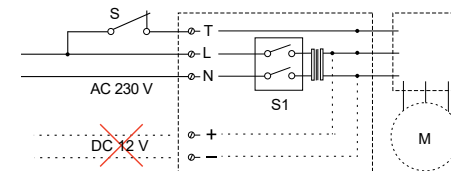
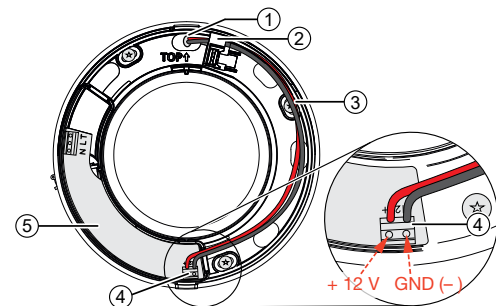


Abbildung 8: Pulsar Basic 230 V AC with external switch element S (NC contact)

4.2 Electrical connection 12 V DC (Direct current)

Connection terminal Operating voltage

Terminal assignment



- 1 Cable input Connection cable
- 2 Cable bushing Mains connection cable
- 3 Connection cable, 12 V DC, 2-wire
- 4 Terminal connecting cable
- 5 Circuit board

Abbildung 9: Circuit board - Connection terminal 12 V DC

Wiring diagrams 12 V connection

The connection of the exhaust fan depends on the desired functions. Make sure you connect the exhaust fan properly and select the correct presets for your functions during start-up.

The switch S1 integrated on the exhaust air fan Pulsar Basic has no function when connecting 12 V DC.

Functions

Sensor controlled, with continuous ventilation (Fig. 10):

- Continuous ventilation with an air flow rate of 30 m³/h.
- Increase fan power in case of increased humidity (110 m³/h, no overrun) or under the influence of light changes (60 m³/h, overrun).

optional: with additional external on/off switch (Fig. 11)

- The exhaust fan is switched on and off via a manual, external switch S.
- For further functions see description on the left (sensor-controlled, with continuous ventilation)

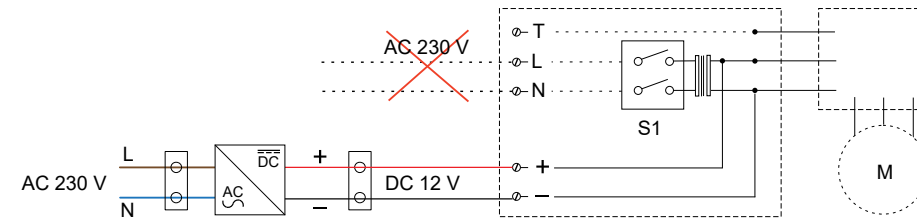


Abbildung 10: Wiring diagram Flush-mounted power supply unit NT16 and exhaust fan Pulsar Basic 12 V DC (sensor-controlled)

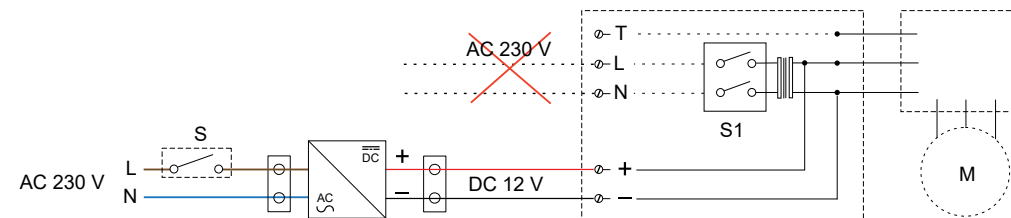


Abbildung 11: Wiring diagram Flush-mounted power supply unit NT16 and exhaust fan Pulsar Basic 12 V DC (with optional external switching element)

5 Installation



DANGER: Exposed electrical components.

Electric shock and overheating due to short circuit (230V, 50 Hz)!

- Connection exclusively by qualified personnel.
- Observe the safety rules for preventing electrical accidents before and during installation.



DANGER: Ingress of water into the Pulsar Basic exhaust fan or its power source.

Electric shock and overheating due to short circuit (230V, 50 Hz)!

- Mount the Pulsar Basic outside the protected area 0.
- Only install the Pulsar Basic in areas of protection zone 1 in which **no** direct contact with splash water is possible over a longer period of time and/or the unit is **not exposed to direct jets of water**.
- Install light switches/switches/pushbuttons outside the protected area 0 to 2.

5.1 Mounting the wall sleeve and Laying the lines



Milling drill Ø 115 mm, wall mounting sleeve (e.g. aV100 wall mounting set)

Prerequisites:

- The masonry is dry and load-bearing.
- There are no load-bearing elements in the position of the planned drill hole/plaster or masonry slot.

- ▶ Create a Wall opening, Ø 115 mm, at the mounting location of the Pulsar Basic.

- ▶ Mill the plaster/wall slot between power source/switch and mounting location of the Pulsar Basic.

- 👁️ For options for positioning the cable bushing, see Figure 12. The cable bushing should be located near the respective connection terminal.

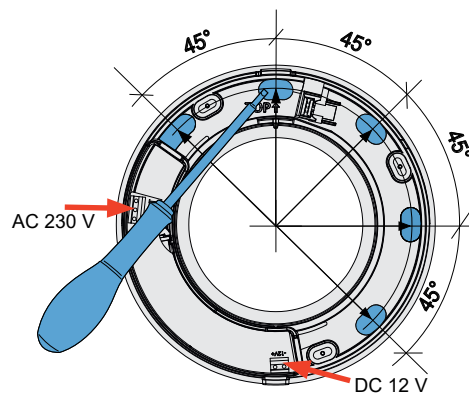


Abbildung 12: Cable entry options



NOTICE Accumulation of condensation water in the wall mounting sleeve leads to damage to the outer wall and masonry!

- Insert wall sleeve with a slope of 1 - 2° to the outer wall.

- ▶ Install the aV100 wall mounting set (📖 Installation instructions aV100 wall mounting set).

OR

- ▶ Place a wall mounting sleeve DN100 in the wall opening.

- 👁️ • The wall sleeve does not end flush with the plaster on the inside wall. It is installed with a distance of 5 mm to the inside (into the wall).

- 👁️ • - An appropriate non-return valve must be provided and installed by the customer.

The aV100 wall installation set (wall installation sleeve incl. non-return damper and external termination), which serves as a receptacle for the Pulsar Basic exhaust air fan, is optionally available from inVENTer GmbH.

Laying cables

- ▶ Lay the mains connection cable, 3-wire:
 - from the control panel to the installation location of the Pulsar Basic, **or**,
 - in between the external switch/button and the installation place of the Pulsar Basic.

- 👁️ The cable end protrudes approx. 300 mm from the wall.

- ▶ Install the power supply unit (📖 5.2, optional)

⇒ The wall mounting set is installed

5.2 Mounting the power supply unit (optional)

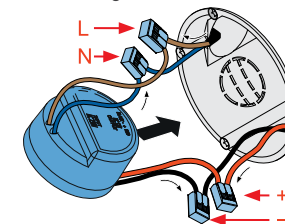


The installation of the additional power supply unit is carried out only with the 12 V DC electrical connection. A power supply unit and a mounting box can be ordered as optional accessories.




Milling drill Ø 68 mm, connecting clamps, filling material for plastering in the box

- ▶ Create a wall opening for the mounting box at the power supply mounting location.
- ▶ Lay the required cables to connect the power supply unit to the mounting location:
 - Supply line between control cabinet and mounting location power supply unit: AC 230 V, 50 Hz:
 - Operating voltage to the exhaust air unit: DC 12 V
- ▶ Lay the cables at the mounting location of the power supply unit in the mounting box.
- ▶ Install the mounting box in the inside wall.



- ▶ Connect the power supply unit using the connection terminals.
 - Connect the power supply cable, AC 230 V, to the input lines (blue, N / brown, L);
 - Connect the operating voltage cable, DC 12 V, to the output lines (red, + / black, -).
- ▶ Slide the power supply unit in the mounting socket.
- ▶ Cover the mounting box, e.g. with a blind cover.

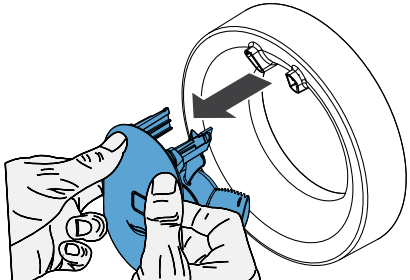
5.3 Inserting and connecting the Pulsar Basic

 Screwdriver, drill, dowels, screws, spirit level, stripping tool


Requirements:

- The wall mounting set is installed. Styrofoam panes have been removed.
- The connection cable (AC 230 V, 50 Hz/ DC 12 V) has been laid.

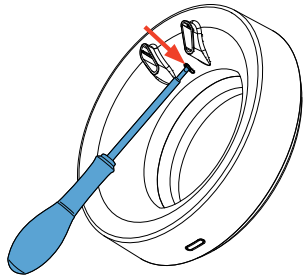
1



▶ Reach behind the fan unit with both hands.
▶ Pull the fan unit forward off the fan housing.

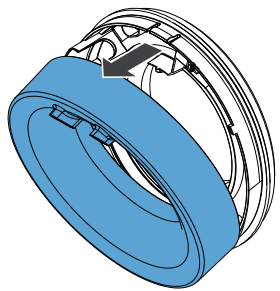
 **!** Hold the fan unit firmly so that it does not fall to the floor when removed.

2



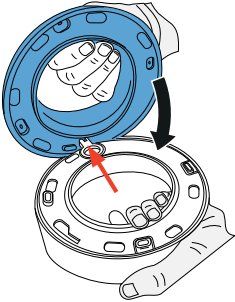
▶ Use a screwdriver to press in the locking button (red arrow) on the fan housing.
▶ Loosen the cover of the fan housing.

3




- ▶ Lift the cover of the fan housing from the top to the front.

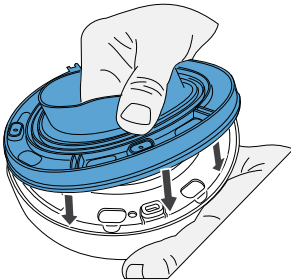
4




▶ Fit the rubber seal (from the accessory pack) to the back of the fan housing.

 **!** First carefully place the switch (red arrow) in the opening provided.

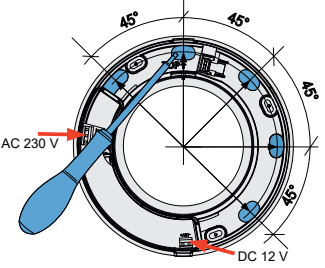
5




▶ Press the rubber seal firmly onto the base plate of the fan housing.

 **!** Press firmly on the side of the integrated switch beginning and end on the opposite side.

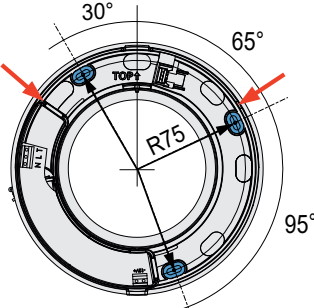
6



▶ Create a lead-through for the connection cable in the rubber seal at one of the 5 cable inlets using a suitable tool.

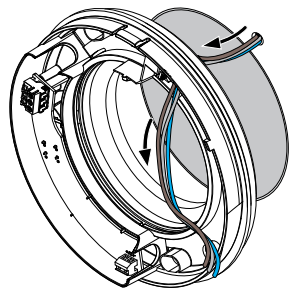
 **!** Near the respective connection terminal.

7



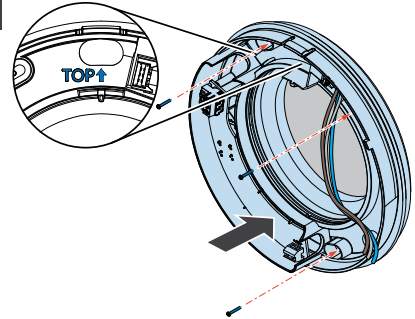
- ▶ Insert the fan housing into the wall sleeve from the inside.
- 👁️! The lettering "TOP" is directed upwards.
- ▶ Aling the fan housing straight using a spirit level. To do this, place the spirit level at the support points of the fan housing (red arrows).
- ▶ Mark the 3 fixing holes (blue areas)
- ▶ Remove the housing from the wall sleeve again and drill the holes.

8



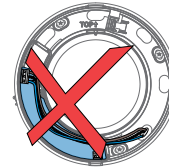
- ▶ Lead the connection cable, AC 230 V, 50 Hz or DC 12 V, through the cable gland created in the rubber seal.

9



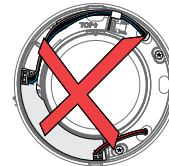
- ▶ Place the base plate, including the rubber seal, congruent with the fixing holes in the wall sleeve.
- 👁️! The lettering "TOP" is legible and directed upwards.
- ▶ Screw the base plate of the fan housing to the inner wall.
- 👁️! The rubber seal completely seals the exhaust fan to the inner wall.

! **NOTICE** Laying the power supply cable over the cover of the circuit board will damage the circuit board and impair the function of the Pulsar Basic!



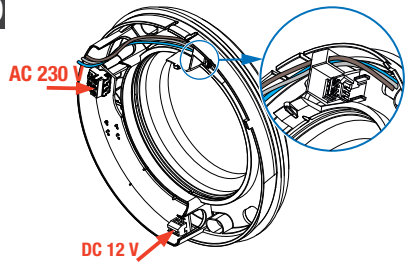
- Do not lay the AC 230 V mains connection cable over the circuit board.

! **NOTICE** Simultaneous connection of AC 230V and DC 12 V will damage the Pulsar Basic!



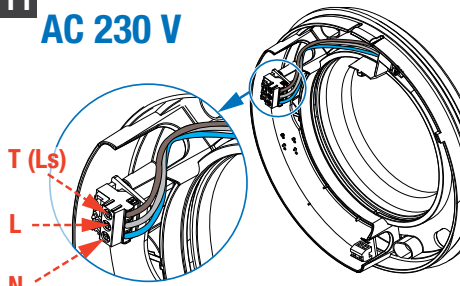
- The Pulsar Basic cannot be connected to AC 230 V and DC 12 V simultaneously.

10



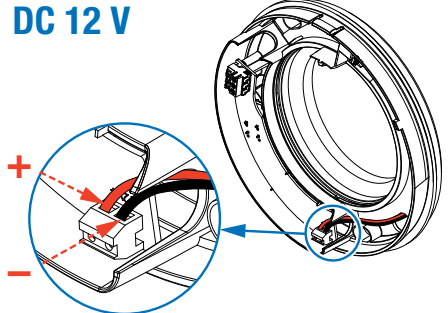
- ▶ Shorten the connection cable so that you can reach the connection terminal (red arrows).
- AC 230 V: 3-pole Connection terminal.**
- DC 12 V: 2-pole Connection terminal.**
- 👁️! Route the connection cable through the cable gland in the upper area to ensure the correct installation of the fan unit.

11 **AC 230 V**



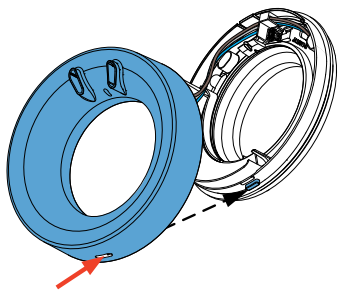
- ▶ Attach the shortened connection cable, according to the connection diagram, in the connection terminal of the base plate.
- 👁️! 📄 4: Terminal assignment, connection diagrams.

DC 12 V



⇒ Exhaust fan Pulsar Basic is inserted and connected.

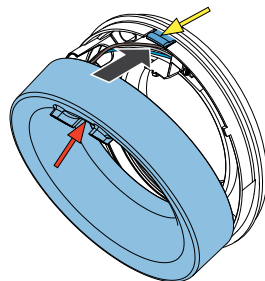
12



▶ Engage the hook on the lower side of the base plate in the hole (red arrow) on the lower side of the fan housing cover.

👁️! The guides for the fan unit are located in the upper area.

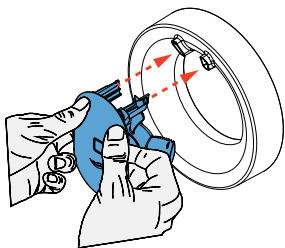
13



▶ Press the cover of the fan housing in the upper area onto the holder (green arrow) on the base plate of the fan housing.

👁️! The locking button (red arrow) audibly engages between the guides for the fan unit.

14

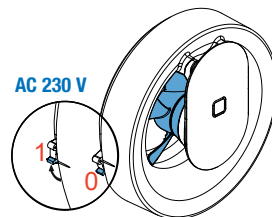


▶ Carefully place the fan unit into the guides (red arrow) of the fan housing.

👁️! Do not tilt the fan when inserting it so as not to damage the contacts.

⇒ An audible click confirms that the fan unit is correctly inserted.

15



- ▶ Make sure that the fan is able to rotate freely once switched on.
- ▶ Switch on the power supply.
 - **DC 12 V:** When the power supply is switched on, the fan runs (with switch control, the external switch is used to switch on and off).
 - **AC 230 V:** Switch the Pulsar Basic on. The switch is located in the left side of the fan housing. Push it to position 1.

6 Cleaning and care



CAUTION: Rotating parts on the fan lead to injuries.

- Before working on electrical equipment, disconnect all affected equipment from the power supply (switch at the bottom left of the control unit).



CAUTION: Cleaning by children and persons with limited abilities may result in injury to parts of the body and/or malfunction of the ventilation system!

- The Pulsar Basic must not be operated and cleaned by children and/or persons who, due to their physical, sensory or mental capabilities, inexperience or lack of knowledge, are not safely able to do so, unless they are supervised by a person responsible for their safety or have been instructed by him/her on how to operate the ventilation unit.

The Pulsar Basic is virtually maintenance-free. The necessary cleaning and maintenance work can be carried out by the user after a short instruction.

The measures and intervals listed here are recommendations by inVENTer GmbH to maintain the functional and performance capability of your Pulsar Basic. Depending on your needs and/or air quality, your personal cleaning schedule may vary from these recommendations.

Time span	Assembly	Maintenance measure
Monthly	Fan housing	Clean the surface with a damp cloth.
Semiannual	Fan unit	📖 22

Cleaning agents:

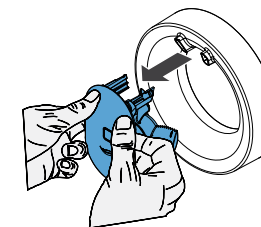
The Pulsar Basic exhaust fan has a plastic surface that is sensitive to scratches. Do not use cleaning agents containing sand, soda, acid or chlorine to avoid damaging the surface.

A commercial detergent in warm water can be used to clean the surfaces.

Procedure:

- ▶ Switch on the power supply.
 - **AC 230 V:** Disconnect the exhaust fan Pulsar Basic at the switch. The switch is located in the left side of the fan housing. Push it to position 0.
 - **DC 12 V:** Interrupt the power supply at the mains fuse or at the external switch.

1



- ▶ Reach behind the fan unit with both hands.
- ▶ Pull the fan unit forward off the fan housing.
- 👁️! Hold the fan unit firmly so it does not fall to the floor when removed.

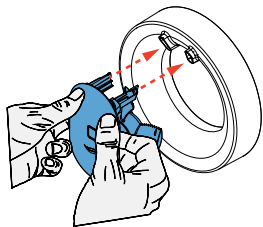
2

NOTICE The fan of the ventilation unit must not be immersed or sprayed directly with water.

► Clean the wall sleeve, the fan housing and the fan unit with a damp cloth.

! The fan is cleaned directly at the fan unit, it must not be dismantled.

3



► Carefully place the fan unit into the guides (red arrow) of the fan housing.

! Do not tilt the fan when inserting it so as not to damage the contacts.

⇒ An audible click confirms that the fan unit is correctly inserted.

7 Technical Data

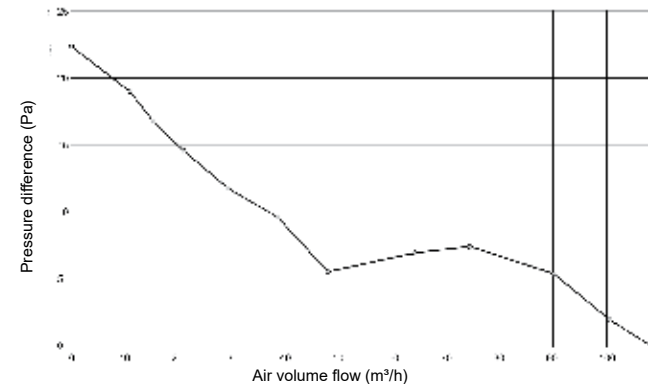
Exhaust fan Pulsar Basic

Feature	Value
Protection class	II
Protection type	IP44
Input voltage	AC 230 V oder DC 12 V
Exhaust air volume flow (free-blowing) [m³/h]	110
Power consumption	4
Sound emission (evaluated) [dB(A)]	17 – 20
Ambient temperature [°C]	5 – 50
Output	Without aggressive gases, dust and oils
Diameter x Deep [mm]	AC 177 V, 81 Hz:
Weight [g]	400

Flush-mounted power supply unit NT16

Feature	Value
Protection class	II
Protection type	IP20
Input voltage [V AC, Hz]	230 – 50
Input voltage [V DC, Hz]	12
Power consumption	12
Ambient temperature [°C]	5 – 50
Diameter x Deep [mm]	54 x 32
Weight [g]	47

Air flow characteristic exhaust fan Pulsar Basic



8 Scope of supply

Component	Oder number
Pulsar Basic incl. Rubber seal (separately in packing box)	3002-0299

10 Service

Complaints

Check the delivery for completeness and transport damage upon receipt, using the delivery note. Complain about missing items immediately, at the latest within 14 days, to your supplier, dealer or factory representative.

Accessories and spare parts

To order components for your ventilation unit, contact your factory representative or our service staff.

Technical customer service:

For technical advice, please contact our service staff:

 +49 (0) 36427 211-0
  info@inventer.de
 +49 (0) 36427 211-13
  www.inventer.eu

9 Accesories

Component	Oder number
aV100 Wall mounting set	1001-0159
Power supply unit - UP NT16	1003-0094
Flush-mounted box 60x66	3002-0244
Box Cavity Wall 61x68	1003-0084

Disposal

Dispose of the product in accordance with the applicable national regulations.

The products described in this documentation are largely recyclable due to their low-pollutant processing.



Contact a disposal company for electronic equipment for enviromentally frendly recycling and disposal of your old system.

The disassembly required for disposal is performed in reverse order of assembly.

11 Warranty and guarantee

Warranty

Outside Germany, the national warranty regulations of the country in which the system is sold apply. Contact the dealer of your home country.

The warranty covers all defects that were present at the time of purchase. Observe the intended use in order to maintain the warranty claim.

Manufacturer's guarantee

The manufacturer provides a five-year warranty for the Pulsar Basic exhaust fan. This covers premature product wear.

For information on the guarantee provisions, see www.inventer.de/guarantee.

Warranty and guarantee claim

In the event of a warranty or guarantee claim, contact the dealer or factory representative responsible for you.

In any case, send the complete unit back to the manufacturer. The warranty claim is an additional offer by the manufacturer and does not affect applicable law in any way.

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www.inventer.eu

Subject to modifications.
No liability for printing errors.

Product Number: 5010-0016
009-500029-C
Version: 3.0 – 11/2022

