### **Radiator Ventilator Instruction Manual**

### 1. Description of the User Manual

This installation manual is intended for the end-user, the general homeowner, who wants to install one or more ventilator on the radiators in his home.

The user does not need to be skilled, trained or certified to install the ventilator

### 2.Safety Warnings

Z.3dety Warnings
Read and understand this manual and its safety instructions before using this product.
Follow all the instructions. This will avoid fire, explosions, electric shocks or other hazards

that may result in damage to property and/or injuries.

The product shall only be used by persons who have fully read and understand the contents

Ensure that each person who uses the product has read these warnings and instructions and Keep all safety information and instructions for future reference and pass them on to

subsequent users of the product.

The manufacturer is not liable for cases of material damage or personal injury caused by incorrect handling or non-compliance with the safety instructions. In such cases, the warranty will be voided.

### 3.Safety Instructions

- 8.Safety Instructions
  Read and understand this manual and its safety instructions before using the verifitator and matching components.

  1.1. Safety information for vulnerable people.
  1.1. Safety information for v physical, sensory or mental capabilities.
  3.1.2. Safety information related to the intended use
- 3.1.c. 3 aftery information related to the intended use. Use this product only as a radiator ventilator by attaching it to a radiator. Follow the instructions in this manual to do so.

  3.1.a. Product limitations and restrictions

  Do not use any sharp objects near the fans.

- . Keep the product away from open fire, soldering irons, or other hot tools as this could
- 3.1.4. Installation safety information
   Lift, handle and transport the product with great care.
- Pay attention and be careful when installing an electrical product. Do not install the product if you are not able to concentrate properly, or if you may faint or if you are
- under the influence of medication, alcohol or drugs.

   Before connecting the power adapter to the wall socket, ensure that the local voltage corresponds to the value on the product. The maximum permissible voltage is 240 V.

Connect the product to a properly installed and easily accessible wall societ. Make sure the product can be disconnected from the power supply at any time.

3.1.5. Safety information regarding the work of the product is intended for indoor use only.

Never use the product condoors. The product is intended for indoor use only.

Check all components (fluoding calebol for any damages before installing the product immediately remove the power shapter from the wall socket in the even of visible damage.

3.1.6. Maintenance safety information.

Never touch the product or power adapter with we thands.

Keep the product way from motisture. The care when deeping the product or radiator to which it is attached. Make our no water enters the product through the fans.

3.1.7. Service and regard safety information.

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Description of the product of the product through the fans. 4. Main components



- A. Radiator Ventilator
  B. SOme metanion cable with Type C connector on both ends
  C. Thermostat with connector cable, each end 80cm with Type C connector, total 170cm
  D. Power adapter
  E. Magnetic temperature sensor with 100cm cable length and Type C connector

| SPECIFICATION  |  |  |  |
|--|--|--|--|
| Radiator Ventilator Set<br>(A+C+D+E)                 | Model: MXRV-01<br>Input Voltage: 100-240V 50/60HZ AC 350MA |  |  |
| Single Radiator Ventilator for<br>Extension<br>(A+B) | Model:MXRV-001<br>Input Voltage: DC 5V 0. 2A               |  |  |

### 5.How to Use

- 5.1 Type of radiators can be used for this ventilator

5.2 Connect the ventilator to the radiator
5.2.1 Connect the ventilator to a wide radiator (plates ≥ 69 mm apart)
1. Make sure that the ventilator (a) faces upwards, put it between the ramagnets will automatically stick to the radiator.



2. Identify a space where the radiator wall brackets and connecting clips are not in the way. Attach the ventilator (A) at the bottom between the radiator plates with the adjustable magnets. The ventilator (A) can also be attached on top of the radiator and under a cover. NOTICE Make sure the fans still face upwards!



3. Connect the thermostat cable (C) and temperature sensor (F) to the type C connectors on 3. Connect the thermostata cials (c) and temperature sensor (E) to the typercurve sensor one side of the verification(4). Makes use the thermostat cable (E) and typercurve sensor cable (E) are connected to the the Type C ports on the verifitior at the same side.
4. Attach the temperature sensor (C) with its adjustable magnetion on the back of the radiator, close to the heated vavier subject (p) supply pipe, or on the pipe its visit.
6. On the pipe its visit.
7. On the pipe its visit.
7. On the pipe its visit.
8. On the pipe its visit.
9. On th power adapter (D). Additional temperature sensors (E) or thermostat cable (C) are not

required.

7. Turn on your central heating system. Wait for the Radiator Ventilator (A) to automatically turn on. This happens when the radiator temperature reaches 32°C. It automatically turns off when the radiator cools down below 32°C. The thermostat diplays the radiator temperature is detects, you can also manually set up the auto start and auto stop temperature by the buttons on the thermostator.

on the thermostat. IMPORTANT: please connect the ventilator (A) to the power after the thermostat controller and temperature sensor cables are properly connected to it, to make sure ventilator (A) can

be the mostat controlled.

5.24. Connect the Addator Verillator to a narrow radiator (plates < 69 mm apart)

1. Turn the adjustable magnets until the magnet is on top, 2 magnets on one side,
and two on the other side.

2. Adjust the adjustable magnets to the correct width.

3. Repeat step 1 – 7 as for the wide radiator. Use the adjustable magnets to have the Radiator Verillator (A) between the plates.

Radiator < 69mm



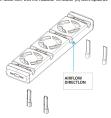
5.2.3. Connector the radiator ventilator to a single sided radiator 1. Adjust all the adjustable magnets to the same side of the Radiator Ventilator (A), and make ure the magnets are at the edge

2. Repeat step 1 - 7 as for the wide radiator



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## 5.2.4. Connect the radiator ventilator to a convector 1. Attach the feet by pushing them into the slots of the Radiator Ventilator (A).



3. Place the Radiator Ventilator (A) on top of the convector and allow space between the convector sides and the Radiator Ventilator (A) to reduce noise. The also be placed on the ground below the convector if space allows.

4. If the convector block is made of magnetic material, the temperature sensor (C) can be easily positioned on it with its magnets. The temperature sensor can also be clamped between two plates of the convector block to ensure good heat transfer. The sensor can be attached to a copper pipe or any other non-magnetic location using the provided Velcro.





5.2.5 For other radiators

1 Make the feet is vertical to the radiator fan. Put the radiator fan directly under the radiator 1, wake the feet is vertical to the radiator ran. Put the radiator ran of Make sure the fans face upwards. 2, Follow the steps of 5.2.1 steps 3-7 to make the ventilator working,



### 6. How to Set the thermostat

Normally, the display shows the temperature detected by the temperature sensor. If the e sensor is not plugged in or damaged, the display shows 00.

1. Press and hold the left keys (WORK/+) for 3 as comed to one the WORK temperature setting. The temperature on display screen for the left key (WORK/+) for 3 as the left key (WORK/+) is the for increasing the temperature on display screen for the left key (WORK/+) is the for increasing the temperature depth keys (YORK/-) is the for increasing the temperature depth keys (YORK/-) is the for increasing the temperature depth keys (YORK/-) is the for increasing the temperature depth keys (YORK/-) is the form the left keys (YORK/-) is th the WORK mode and the fan will start running.)

2. Press and hold the right key (STOP/-) for 3 seconds to enter STOP temperature setting, and the temperature on display screen flashes. Now the left key (WORK/+) is the for increasing the temperature and the right key (STOP/-) is the for decreasing the temperature, you may change the temperature by pushing these 2 buttons. After setting, stop for 3 seconds without any operation on the buttons, the temperature will be saved and exit the setting interface, and display the current temperature detected by sensor. (Note: The initial set STOP temperature is 23°C When the temperature detected by the temperature sensor is below 23°C, the thermostat will enter the STOP state and the fan will stop working.) 3. The working temperature of the thermostat is between 0-60 °C. (Notice: If no The working temperature of the chemiosals is between 1-60 C. (Notice: If no temperature sensor or temperature sensor is not working, the thermostat defaults to! WORK status, that is, the ventilator works. If the temperature detected is within 23°C-for the first use, the thermostat defaults to be on STOP status, that is, the fan does not

4. The WORK temperature set has to be higher than STOP temperature. (i.e. when the WORK temperature is set to be 30  $^{\circ}$ C, the STOP temperature can be set to be 29  $^{\circ}$ C maximum.)

5. Reset: hold the both buttons of WORK and STOP for 3 seconds, the screen displays 88 °C+ 00 if no temperature is detected. The product is reset to default setting.

### 7. How to Maintain the Radiator Ventilator

**7.1 Cleaning the product**The Radiator Ventilator and matching components can be cleaned if necessary. To clean the

 Clean the product with a vacuum cleaner, when dirty. CAUTION! Make sure to use the lowest power setting on the vacuum cleaner.

2. Clean the product with a damp cloth only if required. CAUTION! Make sure no water enters the Radiator Ventilator through the fans.

7.2. Replacing components nts break, they must be replaced, CAUTION! Do not attempt to open, modify

# or repair the product.

To replace components:

1. Exchange broken components, still under warranty, at the supplier. The Radiator Ventilator has a ten year guarantee and the power adapter has a 2 year warranty, MOTICE for safety and control reasons (EC), aftereations or modifications of this product are not permitted.

2. Dippose of broken components that are not under warranty and buy new components.

| 8.Trouble Shooting   |                            |  |  |  |
|--|----------------------------|--|--|--|
| Problem  | Cause                      | Solution   |  |  |
| Radiator Ventilator<br>(A) does not fit<br>between the radiator<br>plates. | It is a narrow radiator.   | Follow the installation steps for the radiator ventilator on a<br>narrow radiator.   |  |  |
| Radiator Ventilator<br>(A) does not fit at<br>the bottom of the            | There is too little space. | Pface the Radiator Ventilator (A) on top of the radiator. This will not influence performance. The bottom is only preferred as it is less visible. Make sure the Radiator Ventilator (A) still |  |  |

| The Radiator Ventilator<br>(A) need to be<br>attached at the top<br>of the radiator, but<br>the radiator has a<br>court. | NA.  | Place the Radiator Ventilator (A) underneath the cover Keep<br>in mind that this exposes the Radiator Ventilator<br>(A) to higher temperatures, which may slightly limit its lifespan.   |
|--|--|--|
| Carnot connect the<br>Radiator Ventilator<br>(A) to the wall<br>socket.  | The Radiator Ventilator<br>(A) was placed with the<br>two female connections<br>on the wrong side or the<br>power adapter cable is<br>not long enough.                                 | Turn the Radiator Ventilator (A) around so that the two female<br>connections face in the other direction or connect the power<br>adapter cable to a power strip.  |
| The temperature<br>sensor (t) cannot<br>reach the warm<br>water supply pipe.   | The temperature sensor cable is too short.   | Buy an additional long cable and connect to the temperature<br>sensor cable. Else, the temperature sensor (E) may also be<br>attached anywhere of the radiator.  |
| Cannot fit the<br>Radiator Ventilator<br>(A) between the wall<br>and single plate<br>radiator.                           | The Radiator Ventilator<br>(A) was placed with the<br>two female connections<br>on the wrong side or the<br>power adapter cable is<br>not long enough.                                 | Follow the single plate radiator installation steps. If there is not<br>enough space between the back of the radiator and the wall,<br>please attach the feet to the Sadiator Ventilator (A) and<br>position the product on the floor below the radiator.  |
| Radiator Ventilator<br>(A) did not turn on<br>after it was<br>connected to the<br>wall socket.                           | The temperature sensor (E) is not reaching 32°C or more or the Radiator Ventilator (A) is not receiving power.   | Make sure the radiator is at least 32 degrees.<br>Make sure that representative sersor (if it attached to the<br>worm water supply pipe or close by to this pipe on the radiator<br>where it gets were<br>Make sure that the temperature sensor (if it makes proper<br>contact.  If the radiator does not heat up properly, were the central<br>hazing system and consider doding hydronic plainning.<br>Make sure that the wall societ works and that the power<br>adulator (10%) records in sentral.   |
| The Radiator<br>VentRator<br>(A) does not seem<br>to increase the<br>radiator heat output.                               | The Rackator Ventilator<br>(A) may be facing<br>downwards. This causes<br>the air to flow in the<br>wrong direction; against<br>nather than with the flow.                             | Turn the Radistor Ventilator (A) over so that the Radistor<br>Ventilator (A) is facing upwards. The top is the side where the<br>fans are covered with three white protective strips.  |
| Do not save 30% on<br>the energy bill.   | The central heating<br>system is not optimized<br>enough or the central<br>heating system has been<br>functioning optimally<br>before installation of the<br>Radiator Ventilators (A). | Optimize the central hearing system by distributing the<br>Redistor Verisitions (A), displaying the temperature set point<br>and renaring hydronic balancing.<br>If the central hearing system has been functioning optimally<br>before the installation of the<br>Redistor Verisitions (A), it may not be possible to save 20%.<br>Use behavior can also have an impact on the maximum<br>system than the<br>system than the<br>system of the properties of the<br>system of<br>system of<br>sy |
| Old cast iron radiator<br>or Single plate<br>radiator with plat<br>< 55 mm from wall.                                    | Not one of the 5 types of<br>radiators mentioned.  | Attach the feet to the Rackstor VentRator (A) and place on the<br>floor under the radiator.  |
| The Radiator<br>Ventilator<br>(A) makes too much<br>noise when placed<br>on the convector.                               | This may be contact noise.   | Make sure the Radiator Vernilator (A) does not touch any<br>metal pieces. For this reason the feet should also be<br>attached.   |
| The Radiator Ventilator<br>(A) does not turn off   | The thermostat<br>(C) is not switching it off.   | Make sure the Radiator Ventilator (A) is properly connected to a   |

### 9.1. Disposal of the Product

The symbol on the product indicates that this product must not be treated as unsorted municipal waste, but must be collected separately! Disc product via a collection point for the recycling of waste electrical and electronic equipment if you live within the EU and in other European countries that operate equipment in you live winning to a not in time trumpean countries into oper separate collection systems for waste electrical and electronic equipment. By disposing of the product in the proper manner, you help to avoid possible hazards for the environment and public health that could otherwise be caused by improper treatment of waste equipment. The recycling of materials contributes to the

### 9.2. Disposal of Packaging Waste

Dispose of the packaging through your local recycling facilities. By disposing of the packaging and packaging waste in the proper manner, you help to avoid possible hazards for the environment and public health.

