Zehnder ZCV2

Zehnder ZCV2 Single Flow Extractor User Manual

Model: ZCV2 | Brand: Zehnder

1. Introduction

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your Zehnder ZCV2 Single Flow Extractor. Please read this manual thoroughly before installation and use, and retain it for future reference.

The Zehnder ZCV2 is designed to ensure healthy indoor air quality by effectively extracting stale air, humidity, and odors from rooms, particularly bathrooms. It incorporates innovative Smart technologies for optimal performance.

2. Safety Information

WARNING: Risk of electric shock. Always disconnect power before installation, maintenance, or cleaning.

- Installation must be performed by a qualified electrician in accordance with all local and national electrical codes and regulations.
- Do not obstruct the airflow of the extractor fan. Ensure adequate ventilation is maintained in the room.
- Keep water away from electrical components. Do not install the unit where it may be directly exposed to water spray.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Ensure the mounting surface is stable and capable of supporting the unit's weight.

3. Product Overview

The Zehnder ZCV2 is a compact and efficient single flow extractor fan designed for continuous ventilation with intelligent control features.

Key Features:

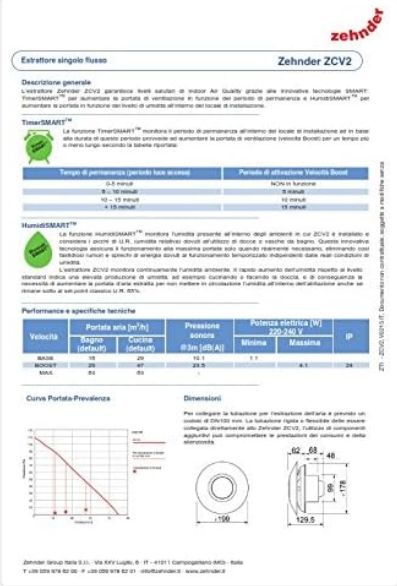
- **TimerSmartTM:** This technology monitors the occupancy period within the installation room. Based on the duration of detected presence, it automatically adjusts the post-occupancy ventilation time (Boost mode) to ensure thorough air exchange and optimal air quality.
- **HumidiSmartTM:** The ZCV2 continuously monitors the humidity level in the room. When a significant increase in humidity is detected (e.g., during a shower or bath), the fan automatically activates Boost mode to rapidly extract moist air until humidity levels return to normal. This prevents condensation and mold growth.

Components:

The unit typically consists of a main body housing the fan and control electronics, and a removable decorative cover.



Internal view of the Zehnder ZCV2, showing fan and control panel.



Side view of the Zehnder ZCV2 extractor fan.

4. Installation

The Zehnder ZCV2 is designed for ceiling mounting. Professional installation by a qualified electrician is highly recommended.

General Installation Steps:

1. **Preparation:** Ensure the power supply to the installation area is disconnected at the main circuit breaker.
2. **Mounting Location:** Choose a suitable ceiling location, ensuring it is structurally sound and allows for proper ducting connection.
3. **Ducting:** Connect the appropriate ventilation ducting to the extractor fan's outlet. Ensure all connections are sealed to prevent air leakage.
4. **Electrical Connection:** Wire the unit to a 240 Volts electrical supply. Refer to the detailed wiring diagram provided with the product packaging for specific electrical connections. Ensure correct polarity and grounding.
5. **Secure Mounting:** Securely fasten the extractor fan to the ceiling using appropriate fixings.
6. **Cover Installation:** Attach the decorative cover to the main unit.
7. **Testing:** Restore power and test the fan's operation.

Note: Detailed dimensions and technical diagrams are crucial for proper installation. Refer to the product packaging or manufacturer's website for specific installation templates.



Technical diagram with dimensions and performance data.

5. Operating Instructions

The Zehnder ZCV2 is designed for automatic operation, leveraging its integrated Smart technologies to maintain optimal indoor air quality.

Automatic Operation:

- **TimerSmartTM Function:** The fan will detect occupancy in the room. After the detected presence ceases, the fan will continue to operate in Boost mode for a duration proportional to the occupancy time. This ensures that all stale air is effectively removed. For example, if occupancy is detected for 0-5 minutes, the fan may run for an additional 5 minutes

in Boost mode. For 10-15 minutes of occupancy, it might run for 15 minutes.

- **HumidiSmartTM Function:** The fan continuously monitors the ambient humidity. When a significant rise in humidity is detected (e.g., during a shower), the fan will automatically increase its speed to Boost mode. It will continue to operate at this higher speed until humidity levels return to normal, effectively preventing condensation.

Control:

The unit primarily operates automatically. If a remote control is supplied (as indicated in specifications), refer to its specific instructions for any manual override or setting adjustments. Otherwise, the fan manages its operation autonomously based on environmental conditions.

6. Maintenance

Regular maintenance ensures the longevity and efficient operation of your Zehnder ZCV2 extractor fan.

Cleaning Instructions:

1. **Disconnect Power:** Before any cleaning or maintenance, always disconnect the power supply to the unit at the main circuit breaker.
2. **Exterior Cleaning:** Wipe the external surfaces of the fan with a soft, damp cloth. Do not use abrasive cleaners, solvents, or harsh chemicals, as these can damage the finish.
3. **Fan Grille and Blades:** If the design allows for user access to the fan grille or blades (e.g., by removing a cover), gently clean any accumulated dust or debris using a soft brush or a vacuum cleaner with a brush attachment. Be careful not to bend or damage the fan blades.
4. **Reassembly:** Ensure all components are properly reassembled before restoring power.

Do not lubricate any parts of the fan. The motor is designed for maintenance-free operation.

7. Troubleshooting

If you encounter issues with your Zehnder ZCV2, refer to the following common troubleshooting steps:

- **Fan not operating:**
  - Check if the power supply to the unit is connected and active.
  - Ensure the unit is correctly wired according to the installation instructions.
  - Verify that no circuit breaker has tripped in your electrical panel.
- **Insufficient airflow or poor extraction:**
  - Check for any obstructions in the ducting or the fan grille.
  - Ensure the fan blades are clean and free of dust or debris.
  - Verify that the unit is correctly sized for the room volume.
- **Excessive noise during operation:**
  - Check for any loose components or foreign objects inside the fan housing.
  - Ensure the unit is securely mounted to the ceiling. Vibrations from loose mounting can cause noise.

- If noise persists, contact qualified service personnel.

For issues not listed here, or if problems persist after attempting these steps, please contact Zehnder customer support or a qualified technician.

8. Technical Specifications

Specification	Value
Model Number	ZCV2
Brand	Zehnder
Product Dimensions (L x W x H)	23.2 x 20.4 x 15.4 cm
Weight	780 grams
Color	White
Electric Fan Design	Extraction Fan
Power Source	Electric Cable
Special Features	TimerSmartTM, HumidiSmartTM
Recommended Uses	Ventilation, humidity and odor extraction from bathrooms
Mounting Type	Ceiling Mount
Controller Type	Remote Control (if supplied)
Number of Speeds	1 (plus Boost mode)
Noise Level	10 Decibels
Power	5.5 Watts
Airflow	80 Cubic meters per hour
Voltage	240 Volts
Indoor/Outdoor Use	Indoor
Material	Plastic
Blade Material	Plastic

9. Warranty and Support

For detailed warranty information, please refer to the documentation provided with your purchase or visit the official Zehnder website. Keep your proof of purchase for warranty claims.

For technical support, service, or spare parts, please contact Zehnder customer service through their official channels. Provide your product model number (ZCV2) and a detailed description of the issue when seeking assistance.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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