

HIMPEL



ZEROC P User Manual

※ Model : FZD-C160N

- Images and contents of this manual may change without notice to improve product performance.
- Make sure to read [Safety Precautions] before use to ensure proper use.



Product Features

ZEROC P, which is capable of Lv10 control for the first time in the world, is a ventilator that provides solutions tailored to consumer needs and situations, from low-noise ventilation for quiet bathroom spaces to quick ventilation for prompt moisture and odors removal.



2W of super-low power consumption

ZEROC P is an energy-saving product with a high-efficiency BLDC motor realizing 2W of power consumption (at Lv1) lowering the burden utility bills and a low-power bathroom ventilator



Lv10 control

ZEROC P is the world's first a constant air volume ventilator capable ari volume control from Lv1 (50CMH) to Lv10 (160CMH) according to the bathroom environment.



Low noise ventilator

ZEROC P is a low noise ventilator quieter than a library. Precise and optimized flow path structure through computational fluid dynamics (CFD) achieves 21dB (at Lv1) low noise.



Auto mode

Auto mode is a smart function that automatically ventilates according to indoor bathroom humidity conditions.
It eliminates concerns of bathroom mold and odor caused by moisture.



Easy-to-use remote controller

From low-noise ventilation to high-speed ventilation that quickly removes moisture and odors with the remote controller!
Conveniently control the bathroom environment according to the situation and needs.



Multi expansion branching (Optional)

Simultaneously ventilation is possible in the bathroom, shoe cabinets, pantries and dress rooms that are difficult to ventilate.

Content

Information before Use	Warnings/Precautions during Installation	04
	Warnings/Precautions during Use	05
Product Structure	Product & Remote Controller Structure	06
Parts	Product Name & Display	07
	Remote controller/Remote controller battery replacement	08
How To Use	Tips before use	09
	Ventilation mode / Auto mode	10
	Reservation setting	11
Installation	Perforate installation location/Installation procedure	12
Product Specification	Product Specification & Size	14
Customer Service Information	Items to check before A/S request	15
Product Warranty		19

※ Make sure to read the following before using the product to ensure proper use.

Warnings during Installation

*Failing to comply with the instructions may lead to user injury.

01

Use only AC 220V~240V/50Hz, 60Hz voltage for this product.

Using the product with a different voltage can cause malfunctioning, electrocution or fire.

02

Connect the power directly from the indoor switchboard to a **dedicated line**.

When connecting to a light wiring, there is risk of circuit breaker blocking or fire.

03

Engage the circuit breaker before installing the product.

There is risk of short circuit and electrocution.

04

Install the product with a power outlet with circuit breaker of 220V~240V/15mA or less.

There is risk of short circuit and electrocution.

05

Install the product at a stable location capable of supporting the **product weight**.

There is risk of injury due to falling.

06

Electrical work must be installed by certified electrician or by the **service center**.

There is risk of short circuit and electrocution.

Precautions during Installation

*Failure to follow instructions may result in injury or property damage.

01

Do not install the product if the power cord is damaged.

Contact the A/S center for a replacement cord and then install the product.

02

Do not install the product at a location with high dust **accumulation**.

It can cause a short circuit inside the heater, resulting in fire or failure.

03

Do not disassemble, repair or modify the product.

There is risk of fire and electrocution.

04

Do not install the product near a heater, combustible gas or **flammable substance**.

There is risk of fire and electrocution.

05

When installing the product, use a **safe, secure foundation**.

There is risk of injury due to falling.

06

Make sure the main body and grill are **securely attached**.

There is risk of injury due to falling.

※ Make sure to read the following before using the product to ensure proper use.

Precautions during Use

*Failing to follow instructions can result in injury.

01

Do not allow people who lack physical or mental abilities or experience and knowledge (including children) to operate the product.

Those who cannot safely use the device with a heater need to be careful.

02

If the product makes weird sounds or smoke fumes out, immediately turn off the product.

There is risk of electrocution and injury.

03

Do not touch the power unit with wet hands.

There is risk of electrocution and injury.

04

Do not spray water bring fire close to the product.

There is risk of fire and electrocution.

05

When not used for extended periods of time, disconnect the product from the power source.

There is risk of fire and electrocution.

06

Do not hang laundry or insert one's finger or foreign objects inside the discharge port of the grill.

There is risk of fire and explosion.

07

Turn of the product and remove and clean the grill.

There is risk of electrocution and injury.

08

Do not open the grill cover during product operation.

There is risk of product damage and injury.

Recommendations during Use

*Failing to follow instructions can result in product performance degradation or product failure.

01

Do not use the product a long time in temperatures of above 40°C

Product exterior deformation or deterioration of insulation of electrical parts may occur.

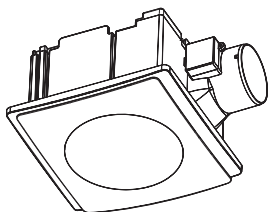
02

Do not clean the product using chemicals, such as benzene, thinner, etc.

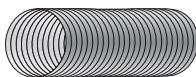
It can cause product damages such as fire, deformation and discoloration.

※ Check whether all components below are present.

1 Product Structure



Main body



Flexible duct(Sold separately)



User Manual (1 copy)



SUS band (1EA)

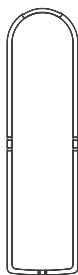


Installation screw (5EA)

2 Remote Controller Structure



Bar Type



Holder



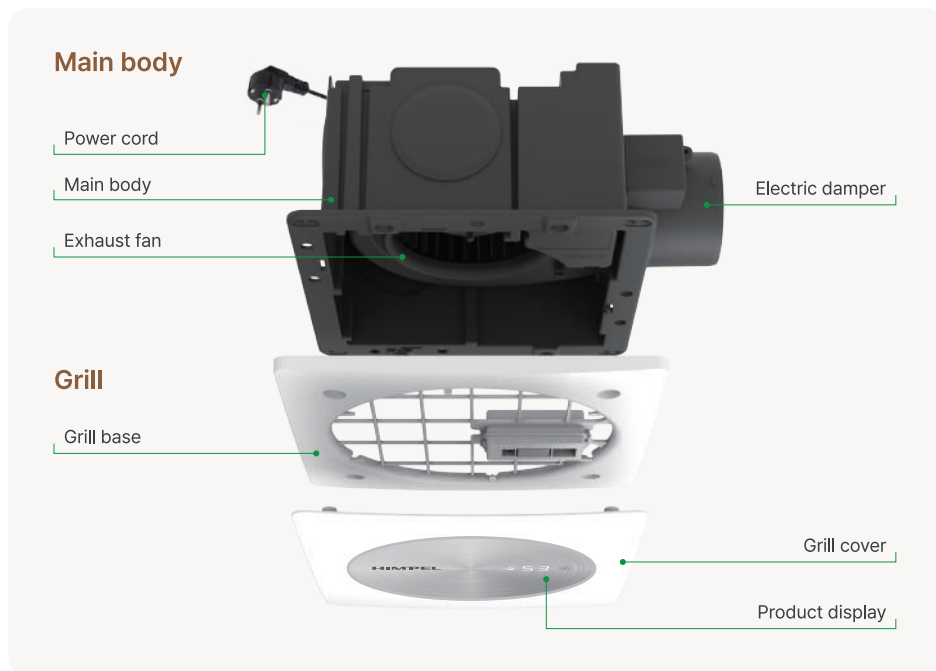
Holder
double-sided tape



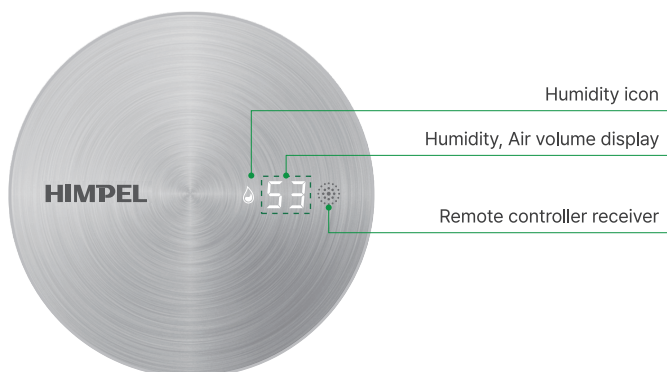
Lithium Battery
(CR 2025)

※ The following is names of major parts of the product.

1 Product Name

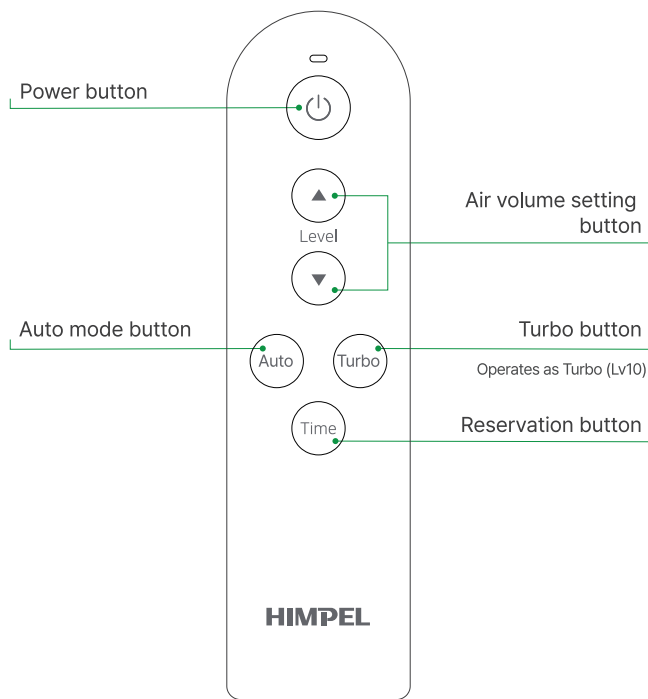


2 Product Display



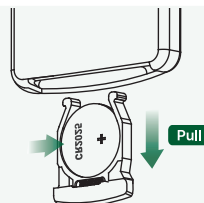
※ The following is names of major parts of the product.

3 Remote Controller



! Remote Controller Battery Replacement

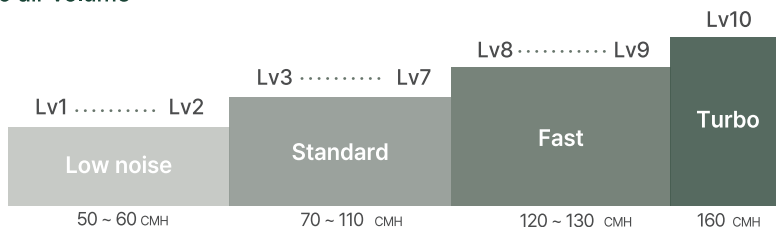
1. Pull the battery cover downwards from the back of the remote controller to open it.
2. Insert the battery according to the polarity as shown.
3. Push in the battery cover until it makes a click sound.



※ To operate the product, make sure to turn on the ventilator wall switch.

! Tips Before Use

● Lv10 air volume



With Lv10 control, Zeroc Prime controls the bathroom environment from low-noise ventilation for quiet bathroom space to fast ventilation that promptly removes moisture and odors.

● Humidity display and air volume display

[Humidity display example]



"Humidity icon" and "humidity value" are displayed on the product display window.

[Air volume display example]



Air volume display displays "Air volume level" on the product display window when the air volume is adjusted with the remote controller.

Tip Smart Product Use

● After a shower and exiting the bathroom!

After a shower, opening the bathroom door and operating the ventilator will help remove moisture quickly.

● How to set the air volume quickly after entering the bathroom!

Press the  button on the remote controller to quickly set the air volume to Lv10.

※ [Turbo] may feel noisier than low air volume.

※ To operate the product, make sure to turn on the ventilator wall switch.

1 Ventilation Mode

1. Press the  button on the remote controller to operate in ventilation mode.
2. Press the air volume  /  button on the remote controller to select the desired air strength.



[Air volume display]

- 1) Air volume setting can be selected between Lv1 and Lv10.
- 2) Press the turbo button  to operate as [Air volume Lv10].
- 3) Ventilation mode remembers the last air strength set before turning the product off and sets the same air strength when re-operating.

2 Auto Mode

* Humidity display is displayed at all times.

1. Pressing the  button on the remote controller operates auto mode.



[Auto mode ON]



[Auto mode OFF]

- 1) When  is displayed on the product display window, auto mode starts.
- 2) If the Auto button is pressed again,  is displayed, auto mode disabled, and ventilation mode is set.
- 3) Auto mode automatically sets and operates according to the humidity, and the user can set the reference humidity to be used for operation.

※ Adjusting the air volume setting during auto mode disables auto mode.

Tip How to Set the Reference Humidity for Auto Mode

1. With the product turned on, press the [Auto] button for 5 seconds.
2. When the humidity value on the product display window flashes, press the air volume  /  buttons to select the humidity to be set as the reference value.
※ Reference humidity can be set as 40% /50% /60%.
3. After selecting a humidity value, press the [Auto] button or if no operation is made for 5 seconds, the selected value will be set as the reference humidity.

Classification	Air volume according to humidity				
Humidity (%)	Humidity below reference humidity	Reference humidity ~ 70%	71 ~ 75 below	76 ~ 80 below	81 ~ 100
Air volume (CMH)	OFF	Lv2	Lv3	Lv5	Lv9

※ To operate the product, make sure to turn on the ventilator wall switch.

3 Reservation Setting

*Reservation time setting can be made in ventilation mode and auto mode.

1. Press the  button on the controller to set the reservation time.

1) Reservation time can be set as 30 minutes, 60 and OFF.

2) Product shuts down once the reservation time reaches.



[30-minute reservation setting display]



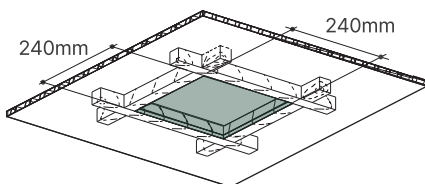
[60-minute reservation setting display]



[OFF display]

※ Read the following instructions before installing the product to ensure proper use.

! Perforate Installation Location

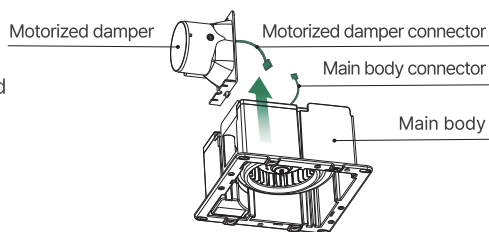


Hole size : 240mm x 240mm(±5mm)

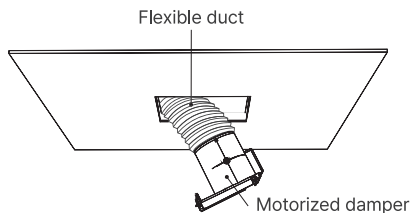
It is recommended to install reinforcement On the ceiling after drilling a hole required to Install the product in the ceiling as shown.

! Installation Procedure

1. Disconnect the main body connector and motorized damper connector as shown and separate the main body from the motorized damper.



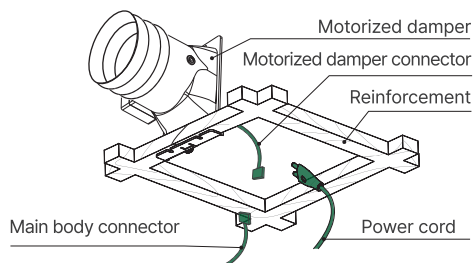
2. Combine the motorized damper with the flexible duct in the ceiling and secure them with a suspension band.



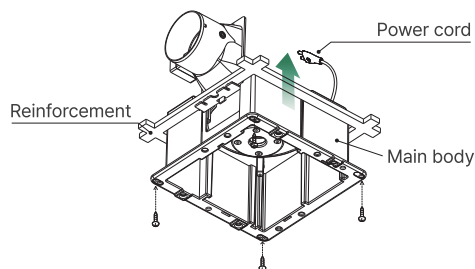
※ Read the following instructions before installing the product to ensure proper use.

! Installation Procedure

3. Connect the main body connector and the motorized damper connector and plug the power cord into the outlet in the ceiling.



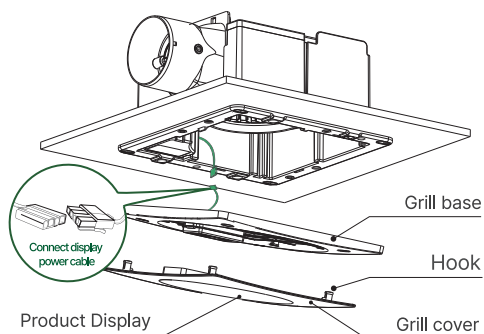
4. Be careful to ensure that the product and the motorized damper are properly secured and place the product into the perforated ceiling and secure the product to the ceiling with four installation screws.



5. Connect the display power cable.

- 1) Complete the installation by fastening the grill base then grill cover to the main body.
- 2) After the installation is complete, turn on the switch and check if the product operates properly.

* White number display lights up if the product is operating properly.



※ Product specification and performance are subject to change without notice to improve quality.

1 Product Specification

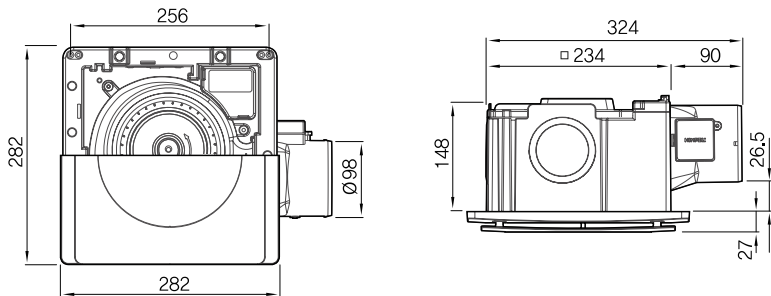
Model Name	FZD-C160N									
Air Volume Control	Lv1	Lv2	Lv3	Lv4	Lv5	Lv6	Lv7	Lv8	Lv9	Lv10
Air Volume (CMH)	50	60	70	80	90	100	110	120	130	160
Power consumption (W)	2	4	4	5	6	6	7	8	9	14
Noise (dB)	21	24	26	30	32	35	38	40	42	48
Product Size (mm)	282(W) X 282(D) X 148(H)									
Duct Size (Ø)	100									
Hole Size(mm)	240 X 240(±5)									
Weight (kg)	2.7									
Option	Multi expandable branch									

Model Name	MD-N (Motorized damper)
Power consumption (W)	2.5
Size(mm)	Ø100 X 101L
Material	ABS

※ Rated Voltage : Ø1, 220~240V 50Hz, 60Hz

2 Product Size

* Dimension Unit : mm



※ If there is an abnormality in the product, please check the instructions before requesting customer service.

! Items to Check Before A/S Request

Q. Product does not operate.

A. If the power cord is disconnected, the product will not function properly.
Make sure that the power cord is plugged into the outlet properly.

Q. The product makes a lot of noise.

A. 1) If the product is not installed properly, the product may make a sound.
Make sure that the flexible duct and electric damper are properly connected.

2) The product generates too much noise when operating in low air volume level.
In case of long ducts, the force of pushing air in low air volume can generate noise (Constant air volume effect).

Q. Air volume cannot be changed.

A. In auto mode, the product operates automatically using sensors, and air volume adjustment becomes unavailable.
Disable auto mode to adjust the air volume.

Q. Can there be a difference in humidity in the same bathroom space?

A. The humidity measured by the hygrometer and the product may differ.
This is due to the humidity varying depending on the environment and location, and it is not a defect.

Q. The product shuts down during operation.

A. If the reservation time is set, the product operates for the reservation time and shuts down.
In this case, turn off the product and operate it again.

Q. No humidity is displayed on the product display window.

A. If the integrated humidity sensor is malfunctioning, the product display window will not display the current humidity.
Please contact the customer service.

MEMO

HIMPEL

MEMO

HIMPEL

MEMO

HIMPEL

Product Warranty

About Product Services

HIMPEL provides product warranty as grounds mentioned below under Consumer Compensation for Damage Regulation. HIMPEL Co.

Service or dedicated cooperative companies will provide customer service when requested. Compensation acceptance notification is provided within 7 days and actual compensation for the damage is provided within 14 days.



**Warranty period
of total heat exchanger
is 1 year and part
retention period is
5 years.**



Product Name		Model Name	
Purchase Date		Purchasing Price	
Store where Purchased			

Customer Service

You have a right to be entitled for free of charge 1 year guaranteed service if damage occurs when using the product. However, if the damage was caused by customer fault or natural disaster, the service will be provided of charge even during the free of charge guarantee period.

A/S fee consists of technical fee, price of the parts, and visitation fee.

1. Technical fee refers to an expense occurring for diagnosis, repair or change of broken parts, adjustment, and inspection after completion of repair.
2. Price of parts refers to parts or additional material used for repair.
3. Visitation fee refers to an expense occurring for A/S technician to visit the site as per the request from the customer.

Free of Charge Services

During guaranteed service period, repair or change of device/product caused by its defect is provided for free of charge, excluding customer fault caused by negligence.

Below grounds show applicable cases for free of charge services.

1. Excessive noise caused by unbalanced fan or any other odd conditions
2. Remote control display not matching with actual operation of the product
3. Fan not operating properly even when the power on

Services of Charge

1. Abnormality occurred caused by removing and reassembling of parts on the customer's own
2. Product damaged by missing wiring
3. Change of filters or grill cover of enthalpy exchanger
4. Routine inspection and repair



HIMPEL Co., Ltd.

5, Annyeongnam-ro, Hwaseong-si,
Gyeonggi-do, 18364, Korea
sales@himpel.co.kr

* Product specifications and performance may be changed
depending on quality improvement or
installation environment without notice.