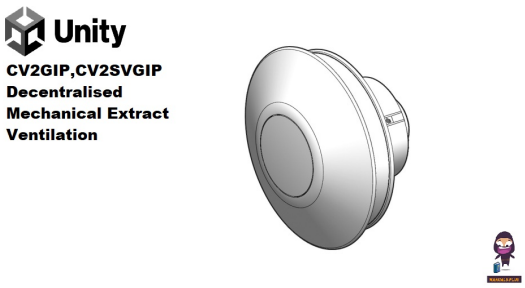

Unity CV2GIP,CV2SVGIP Decentralised Mechanical Extract Ventilation User Guide

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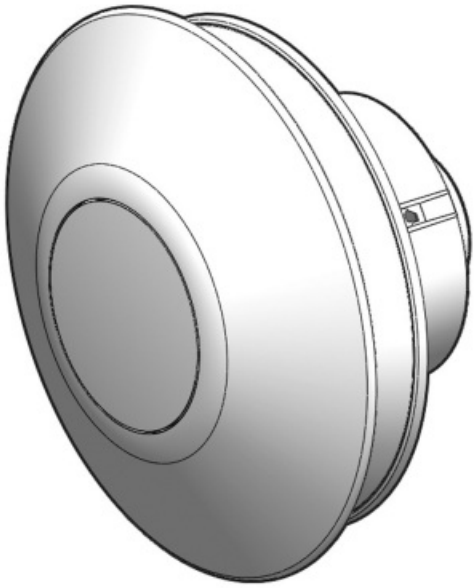


Specifications

- Product Model: Unity CV2GIP / CV2SVGIP
- Type: Decentralised Mechanical Extract Ventilation (dMEV)
- Features: SMART technology for Over-run Timer and Humidity control

Product Usage Instructions

Ventilation In Your Home
It is important to maintain good indoor air quality by keeping the fan operational at all times unless for maintenance purposes.

General Overview

Operation:
The fan has Trickle Speed for continual operation and Boost Speed for manual activation using the GS2 switch or room light switch.

SMART Technology:
The Unity CV2GIP / CV2SVGIP features Greenwood TimerSMARTTM for Over-run Timer and Greenwood HumidiSMARTTM for Humidity control to ensure optimal ventilation.

Over-run Timer Operation:
The TimerSMARTTM adjusts the over-run period based on the duration of occupancy presence in the wet room, reducing energy wastage.

Humidity Control:
The HumidiSMARTTM monitors humidity levels and adjusts fan speed to prevent prolonged boost periods, maintaining efficiency.

Ventilation Effectiveness:
Avoid installing trickle vents in the same rooms as the fan to ensure overall ventilation effectiveness.

Safety Note:
Ensure children are supervised when using the appliance and understand the safety hazards involved.

To disassemble the unit, disconnect from the mains supply and use a screwdriver to segregate the electronic components and motor from the plastic housing. Dispose of items by WEEE.

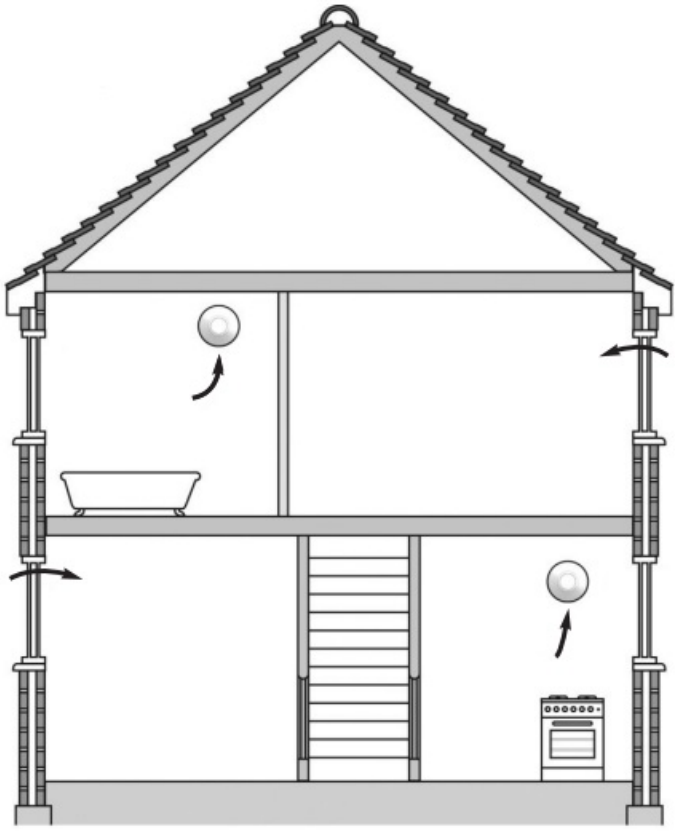
WEEE Statement
This product may not be treated as household waste. Instead, it should be handed to an appropriate collection point for the recycling of electrical and electronic equipment.

For more detailed information about the recycling of this product, please contact your local council office or your household waste disposal service.

Ventilation In Your Home

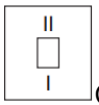
Your home has continuously running ventilation Unity CV2GIP / CV2SVGIP (dMEV) fans installed. This consists of locally sourced extract fans that form part of a whole-house ventilation approach. These fans extract air continually from the following areas (defined as wet rooms within Building Regulations) in residential dwellings –

- Kitchen
- Bathroom
- Utility Room
- WC/Cloakroom
- Ensuite Bath/Shower Room



General Overview

The specific operation of your fan may vary depending on the way it has been installed.
The options are –

- Trickle Speed: Operating continually.
- Boost Speed: Activated manually using our GS2 switch or via the room light switch.
- 

GS2 switch markings – Trickle (I) & Boost (II) Operation

Note: Other manufacturer's switches may show different markings.

1. To maintain a healthy indoor environment the Unity CV2GIP / CV2SVGIP includes SMART technology for Over-run Timer (Greenwood TimerSMARTTM) and Humidity (Greenwood HumidiSMARTTM).
2. Greenwood TimerSMARTTM monitors the length of time that there is an occupancy presence within a wet room (via the 'switch-live') and provides a fixed over-run period to best match the length of time that the 'switch live' is active (as shown below):
   Note: The first 5 minutes will not activate an over-run.

Time 'Switch Live' is Active				Over-run Boost Period	
0	–	5	minutes	No over-run	
5	–	10	minutes	5	minutes
10	–	15	minutes	10	minutes
15+			minutes	15	minutes

   This removes nuisance running noise and unnecessary energy wastage typically associated with traditional timers.

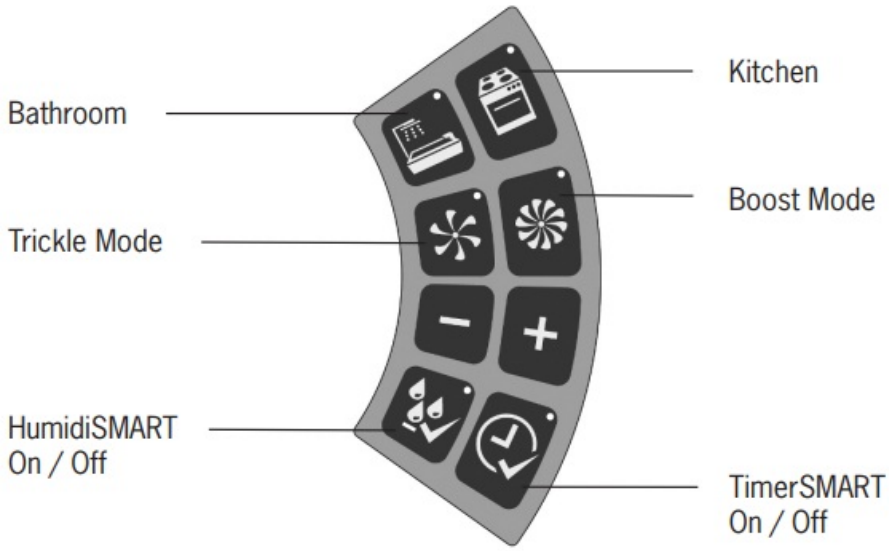
3. Greenwood HumidiSMARTTM monitors the ambient humidity within the wet room environment and looks for short peaks of humidity made by either showering or bathing. This smart technology ensures that your Unity CV2GIP / CV2SVGIP is not on boost for prolonged periods, removing nuisance running noise and unnecessary energy wastage typically associated with increases in background humidity which naturally occurs with the changing seasons.
4. To maintain good indoor air quality within the dwelling the fan must remain in operation at all times unless switched off for maintenance. (See section 4.0 Servicing / Maintenance).
5. Depending on when your home was built, background window trickle ventilators may be provided in dry habitable rooms. Trickle vents should not be installed in the same rooms as the fan, as overall ventilation effectiveness can be reduced.
6. Warning: This appliance can be used by children aged 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 the use of the appliance safely and understand the hazards involved. Children shall not play with the appliance.
7. Where an open-flued oil or gas-fuelled appliance is installed precaution must be taken to avoid a back-flow of gases into the room.
8. The CV2SVGIP fan must only be installed by using the supplied Safety Extra Low Voltage (SELV) controller corresponding to the markings on the appliance.
9. Cleaning and user maintenance shall not be done by children without supervision.

10. Always isolate the fan from the mains supply before cleaning. Do not use solvents to clean this fan.

Homeowner Controls

1. **Controls**

   This section shows how to operate the Unity CV2GIP / CV2SVGIP control panel.
2. **Control Panel**



3. **To View Fan Set Up / Status**

   Press any button to activate the panel. The current fan setup/status will be shown via the green lights.
   - Example shows: Bathroom setting selected Boost mode activated HumidiSMART feature selected.
   - **Note:** The Unity CV2GIP / CV2SVGIP is commissioned during installation to provide the correct airflow requirements for your dwelling. Post-adjustmentt of the room setting or airflow speeds are not available.

4. **To Change the HumidiSMART Setting**
   - The HumidiSMART monitors the humidity of the extracted air at all times. A rapid rise in humidity from a bath/shower should be picked up by the sensor and should cause the fan to automatically switch to Boost mode.
   - When humidity falls below a calculated threshold close to background levels, the fan should return to trickle mode.
   - To identify cthe urrent fan status, press any button to activate the panel. Upon identification of control

status, either press [ ] to activate or deactivate the HumidiSMART. Please note the light should come on to indicate that the function is active.

- Factory set to OFF
- Option's ON / OFF
- Note: After approximately 10 seconds of inactivity, the control panel lights should turn off and save selection settings.
- Note: This feature can be activated at the same time as the TimerSMART.

5. **To Change the TimerSMART Setting**

   The TimerSMART monitors the length of time the unit has been in boost mode via the Switch Live. Once the Switch Live is deactivated the TimerSMART over-run period should continue to run the unit for a calculated time if required.

   - **Note:** The first 5 minutes should not activate an over-run.

Time 'Switch Live' is Active				Over-run Boost Period	
0	–	5	minutes	No over-run	
5	–	10	minutes	5	minutes
10	–	15	minutes	10	minutes
15+			minutes	15	minutes

   To identify the current fan status, press any button to activate the panel. Upon identification of control status, either press [ ] to activate or deactivate the TimerSMART. Please note the light should come on to indicate that the function is active.

   - Factory set to OFF
   - Option's ON / OFF

   - Note: After approximately 10 seconds of inactivity, the control panel lights should turn off and save selection settings.
   - Note: This feature can be activated at the same time as the HumidiSMART.

Servicing / Maintenance

1. The Unity CV2GIP / CV2SVGIP contains a unique backward curved mixed flow impellor that has been designed to reduce any build-up of dirt. The fan motor is sealed for life bearings, which do not require lubrication.
2. Periodic cleaning of the ffan’sfront cover and casing can be carried out using a soft damp cloth. Care must be taken when wiping around the control panel.
3. Warning: The Unity CV2GIP / CV2SVGIP must be isolated from the main supply before removing the electronics cover. Do not use solvents to clean this fan.
4. Cleaning and user maintenance shall not be mdoneby children without supervision.
5. Please note that your stored fan settings will not be lost during any interruptions to your fan’s power supply.

Commissioning & Inspection Record

1. This section should be used to record all installation details. The Commissioning Engineer should use the following Parts 1 to 3, to record important information relating to the installation, which, should be incorporated into the Home Information Pack for the homeowner to keep.

- Part 1 – System details and declarations
- Part 2a – Installation details
- Part 2b – Inspection of installation
- Part 3 – Air flow measurement test and commissioning details

Part 1 – System details and declarations

1.1 Installation Address Details	
Dwelling Name/Number	
Street	
Locality	
Town	
County	
Post Code	
1.2 Installation Details	
System Classification	System 3 – Decentralised Mechanical Extract Ventilation
Manufacturer	Zehnder Group UK Limited
Model Number	
Serial Number (where available)	
Location of dMEV fans	

Part 2a – Installation details

2.1 Installation Checklist – General (all Systems) Tick as appropriate		
Has the system been installed by the manufacturer's requirements?	**Yes**	**No**
Have relevant system installation clauses been followed as detailed in Tables 1, 3 , 5, and 7 as applicable?	**Yes**	**No**

Type of ductwork installed (e.g. rigid, semi-rigid)	
If any deviation from Tables 1, 3, 5, and 7, these should be detailed here.	
Description of installed controls (e.g. timer, central control, humidistat, PIR, etc)	
Location of manual/override controls	

2.2 Installation Engineer's Details	
Name	
Company	
Address Line 1	
Address Line 2	
Telephone Number	
Post Code	
Signature	
Competent Person Scheme / Registration Numb er (if applicable)	
Date of Installation (completion)	

Part 2b – Inspection of Installation This section should be completed before completing part 3.

2.3 Visual Inspections – General (all Systems)	**Tick as appropriate**	
Total installed equivalent area of background ventilators in the dwelling?		**mm**
The total floor area of dwelling?		**m2**
Does the total installed equivalent ventilator area meet the requirements given in Ta bles 5.2a, 5.2b, or 5.2c in ADF?	**Yes**	**No**
Have all background ventilators been left in the open position?	**Yes**	**No**
Have the correct number and location of extract fans/ terminals been installed that s atisfy Table 5.2a in ADF?	**Yes**	**No**
Is the installation complete with no obvious defects present?	**Yes**	**No**
Do all internal doors have sufficient undercut to allow air transfer between rooms (i.e . 10 mm over and above the final floor finish)?	**Yes**	**No**
Has all protection/packaging been removed (including from background ventilators) such that the system is fully functional?	**Yes**	**No**
For ducted systems, has the ductwork installation been installed in such a manner th at air resistance and leakages are kept to a minimum?	**Yes**	**No**
Are the correct number and size of background ventilators provided that satisfy ADF ?	**Yes**	**No**
Has the entire system been installed such that there is sufficient access for routine maintenance and repair/replacement of components?	**Yes**	**No**
Upon initial start-up, was any abnormal sound or vibration experienced, or unusual s mells detected?	**Yes**	**No**

2.4 Inspector's Details		
Name		
Company		
Address Line 1		
Address Line 2		
Telephone Number		
Post Code		Signature
Competent Person Scheme / Registration Number (if applicable)		
Date of Inspection (completion)		

Part 3 – Air flow measurement test and commissioning details

3.1 Test Equipment	
Schedule of airflow measurement equipment used, (model and serial)	Date of last UKAS calibration
1.	

3.2 Air Flow Measurements				
Room reference (location of terminals)	Measured Air Flow High Rate (l/s)	Design Air Flow High Rate (l/s) Refer to Table 5.1a ADF	Measured Air Flow Low Rate (l/s)	Design Air Flow Low Rate (l/s) Refer to Table 5.1a in ADF
Kitchen				
Bathroom				
En Suite				
Utility				
Other…				

3.3 Commissioning **Tick as appropriate**		
Have controls been set up by the manufacturer's recommendations?	**Yes**	**No**

3.4 Test Engineer's Details	
Name	
Company	
Address Line 1	
Address Line 2	
Telephone Number	
Post Code	
Signature	
Competent Person Scheme / Registration Number (if applicable)	
Date of Test	

- All information is believed correct at the time of going to press. All dimensions referred to are in millimeters unless otherwise shown. E&OE.
- All goods are sold according to Zehnder Group UK Ltd's Standard Conditions of Sale which are available on request. See the website for warranty period details.
- Zehnder Group UK Ltd reserves the right to change specifications and prices without prior notice.

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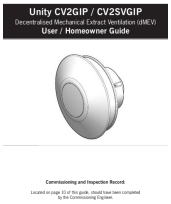
FAQs

Q: How do I activate Boost Speed on the fan?
A: Boost Speed can be activated manually using the GS2 switch or via the room light switch.

Q: What should I do with the product when disposing of it?
A: Do not treat the product as household waste; hand it to an appropriate collection point for recycling of electrical and electronic equipment.

Documents / Resources

	**Unity CV2GIP,CV2SVGIP Decentralised Mechanical Extract Ventilation** [pdf] User Guide CV2GIP, CV2SVGIP, CV2GIP CV2SVGIP Decentralised Mechanical Extract Ventilation, CV2GIP CV2SVGIP, Decentralised Mechanical Extract Ventilation, Mechanical Extract Ventilation, Extract Ventilation

References

- **Greenwood | Air Ventilation System Manufacturers**
- **User Manual**