






## Operator terminal BG02 and BG02 E

Device for operating all comfort air conditioning devices



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## 0 | Key to symbols used

	Instruction	Prompts you to carry out an action
	Notice	Provides important information
	Safety instructions	Indicate an immediate hazard to persons
	Cautionary notes	Indicate danger to machines and installations
	Reference	Refers you to other sections within the document or to external documents.

## 1 | Intended use

- The standard BG02 and BG02 E operator terminal is suitable for operating all HomeVent® comfort air conditioning devices
  - The HomeVent® BG02 and BG02 E operator terminal may only be used within the specified limits.
  - Installation and commissioning must be performed by a qualified technician trained by Hoval.
  - The standard BG02 and BG02 E operator terminal must be installed in a reference room.
  - The pertinent laws, regulations and guidelines must be complied with during installation and operation, when performing maintenance and service work and when disposing of the unit.
- The comfort ventilation unit may only be used for the purpose for which it was designed and which has been approved by Hoval. Any other use is impermissible.

**Liability**

- Chapter 1 "Intended use" lists the possible applications for the HomeVent® comfort ventilation unit. Any other use is deemed to be improper use and can lead to injury to persons or damage to the comfort ventilation unit. The manufacturer cannot be held liable for any such damage.
- The manufacturer accepts no liability for damage resulting from:
  - failure to observe the safety, operating and maintenance instructions contained in this operating manual.
  - performance of work on the unit not described in this manual and not expressly approved by the manufacturer.
  - installation of spare parts (including filters) not supplied by the manufacturer.
  - normal wear.
- The general business terms and conditions of Hoval apply. See
  - [www.hoval.com](http://www.hoval.com)

**3 | Safety instructions****In the event of danger!**

Switch the unit off and cut off the power supply.

**In the event of contamination of the fresh air with hazardous substances!**

Switch the unit off for as long as the danger persists and perform cleaning if necessary.

**In the event of a fire!**

Switch the unit off.

**4 | How does the HomeVent® comfort ventilation unit work?**

The solution for single-family homes.

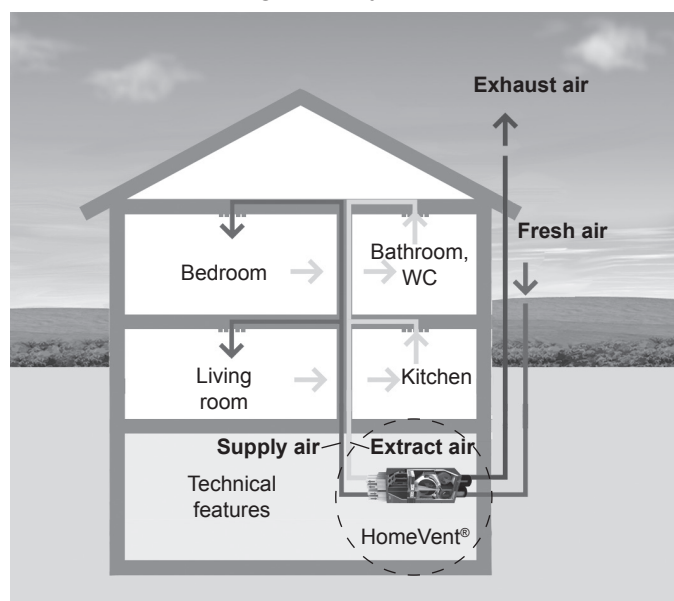


Fig. 1: Comfort ventilation system

The HomeVent® draws off spent air from the rooms and conveys fresh air into the house. The rotary heat exchanger transfers the heat energy from the extract air to the incoming supply air in a controlled manner. This recovers valuable heating energy which is lost if you ventilate by opening windows. If required, the HomeVent® can also recover the moisture in the extract air. This means that fresh supply air in the desired quantity, prewarmed and if required humidified, flows into the rooms. Fresh air freed from pollen and dust flows through the house from the bedrooms and living areas and is drawn off via the kitchen and sanitary rooms. The spent air and any unpleasant odours are routed directly into the open via the exhaust air duct.

**Caution**

To guarantee safe and trouble-free operation, operate your HomeVent® ventilation unit in accordance with the instructions in the operating manual supplied with the operator terminal at all times.

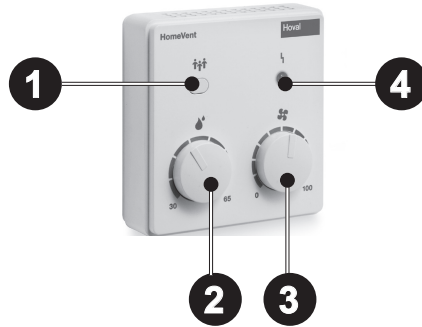


Fig. 2: BG02/ BG02 E operator terminal

**1** Party button



Pressing the Party button for 2 seconds increases the air flow rate for 3 hours. After this, the system switches back to the set operating mode. The operating mode display (LED) **4** flashes green when the Party function is active. The Party function can be reset prematurely by pressing the Party button again for 2 seconds.

**2** PUSH & TURN button  
air humidity



This button is used to set the set value for the air humidity.  
Guide value 45 % – 55 %

**3** PUSH & TURN button  
air flow rate



Used to set the desired air flow rate (basic ventilation):  
0.....Comfort ventilation unit Off  
10..100.....Basic ventilation 10 % – 100 %  
Guide value 40 % – 60 %

**Caution**

Switching off the comfort ventilation when outside temperatures are low leads to uncontrolled air currents in the pipes; this can result in damage as a result of condensation. Only switch the comfort ventilation off in winter if the fresh air and exhaust air ducts are tightly sealed!

**4** Operating mode display (LED)



The LED displays the operating state of the system:  
No display..... Comfort ventilation unit not in operation  
Green..... Comfort ventilation unit in operation  
Green flashing ..... Party function  
Orange..... Supply air/extract air filter soiled  
Red ..... Alarm

This manual contains information on how to make optimum use of your HomeVent® comfort ventilation unit. A correctly serviced comfort ventilation unit means optimum comfort for you and also saves you money.

### **Opening the windows**

#### *At night*

With a comfort ventilation system, you can open the windows at any time. However, if they remain open for too long (e.g. if you sleep with the windows open) and the outside temperature is low, the heat recovery efficiency is greatly reduced.

But when outside temperatures are very high, it can be a good idea to make use of the cooler night air by opening doors and windows to allow the air to flow into the rooms.

#### *Summer*

As a rule, you will not require heating in summer and thus no heat recovery via your HomeVent® comfort ventilation unit. You can open doors and windows as you wish. However, bear in mind that pollen, insects and dust can enter the house through open doors and windows.

#### *Winter*

If you open the windows in winter or during the heating season, you lose the benefits of your HomeVent® comfort ventilation system. Valuable energy escapes through the windows. Your comfort ventilation system provides a constant supply of fresh air for your living area.

Your comfort ventilation unit recovers both the heat and the moisture contained in the air. In winter, the fresh air and thus also the air in your rooms contains less moisture than in summer. The moisture which is present is recovered via your comfort ventilation unit.

### **Settings on the operator terminal**

The operator terminal allows you to adjust your HomeVent® comfort ventilation system to suit your needs. This manual contains a brief description of the operator terminal. A detailed operation manual was enclosed with your operator terminal.

If you have lost or mislaid this manual, please contact your Hoval Customer Service centre. You will find the addresses on the last page of this manual.

### **Functional check**

Reliable and safe functioning of the HomeVent® comfort ventilation unit and optimum efficiency can only be guaranteed if the unit is serviced regularly. Please also regularly check the other components of your comfort ventilation system, such as the fresh air intake, supply and extract air ports and exhaust air grille.

### **Absence**

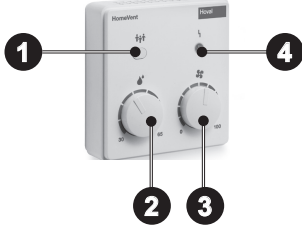
#### *Prolonged periods of absence*

If you are away for a prolonged period, set your comfort ventilation to the minimum output of 15% and keep outside doors and windows closed.

#### *Absence in winter*

Set your comfort ventilation to the minimum output of 15% and keep windows and outside doors closed. Never switch your comfort ventilation system off completely in winter.

The following information can be used as a first level support in frequently occurring situations.

Observation	Setting on operator terminal
	BG02/ BG02 E
	
The air always seems to be spent.	Increase <b>3</b> the air flow rate.
The air seems to be spent just now.	Press the <b>1</b> Party button.
I want to get rid of unpleasant odours (e.g. cigarette or cigar smoke) as quickly as possible.	Increase the air flow rate <b>3</b> temporarily until the smell has vanished.
I have guests and want more fresh air.	Press the <b>1</b> Party button.
I like to have the doors and windows open in summer. Which is the best setting?	Do not change the settings.
I would like more fresh air at night without having to open the windows.	Increase <b>3</b> the air flow rate.
I am absent for a few hours regularly every day.	Do not change the settings.
I will be absent for several hours during the day today.	Do not change the settings.
I am going away on a short trip.	Set the air flow rate <b>3</b> to 10%.
I am going away for an indefinite period of time.	Set the air flow rate <b>3</b> to 10%.

## 8 | Technical Data

Connection for RJ 45 plug

CAT5 patch (8-pin) connection cable

Electrical connections

• Voltage (DC) 24V

Type of protection IP 20

**Application limits**

3K3 as per EN 50090-2-2,  
residential rooms, office

• Temperature range 15...40°C

• Humidity range 5...85% r.F.



If a fault should occur contact Hoval Customer Service or an installer trained by Hoval.

### Operator terminal BG02/ BG02 E



Observation	Ventilation unit	Cause	Remedy
The LED control lamp does not light up.	Not in operation.	Ventilation unit is not connected to the mains.	Plug in the ventilation unit.
		Ventilation unit is not switched on.	Turn on the mains switch of the ventilation unit.
		Microfuse of the ventilation unit is defective.	Phone Hoval Customer Service.
		Air flow rate PUSH & TURN button is set to 0.	Set the PUSH & TURN button to the required basic ventilation setting.
		The operator terminal is not connected.	Check that the connecting cable is plugged into the operator terminal and the ventilation unit (RJ45).
		The operator terminal is defective.	Phone Hoval Customer Service.
The LED control lamp lights up orange.	In operation.	Supply air/extract air filters are soiled.	Insert new filters.
		Same fault with new filters.	Phone Hoval Customer Service.
The LED control lamp lights up red.	Not in operation.	Group alarm, ventilation unit.	Phone Hoval Customer Service.

If the control lamp flashes as described below, the unit is in operating mode "Party" (not a fault).

Observation	Ventilation unit	Cause	Remedy
The LED control lamp flashes green.	In operation.	Unit is in Party mode (air flow rate 100%). Party button has been pressed.	To exit the Party function, press the Party button for 2 seconds.

## United Kingdom

### Hoval Ltd.

Northgate  
Newark  
Nottinghamshire NG24 1JN  
Phone +44 1636 67 27 11  
Fax +44 1636 67 35 32  
[www.hoval.co.uk](http://www.hoval.co.uk)

## Switzerland

### Hoval AG

General Wille-Strasse 201  
CH-8706 Feldmeilen  
Phone +41 44 925 61 11  
Fax +41 44 923 11 39  
[www.hoval.ch](http://www.hoval.ch)  
[www.homeevent.com](http://www.homeevent.com)

## Germany

### Hoval GmbH

Humboldtstrasse 30  
D-85609 Aschheim-Dornach  
Phone +49 89 92 20 97-0  
Fax +49 89 92 20 97-77  
[www.hoval.de](http://www.hoval.de)  
[www.homeevent.com](http://www.homeevent.com)

## Austria

### Hoval Gesellschaft mbH

Hovalstrasse 11  
A-4614 Marchtrenk  
Phone +43 50 365 - 0  
Fax +43 50 365 - 5005  
[www.hoval.at](http://www.hoval.at)  
[www.homeevent.com](http://www.homeevent.com)

## Italy

### Hoval s.r.l.

Via per Azzano San Paolo, 26/28  
I-24050 Grassobbio (BG)  
Phone +39 035 52 50 69  
Fax +39 035 52 69.59  
[www.hoval.it](http://www.hoval.it)

## France

### Hoval SAS

6, rue des Bouleaux  
F-67100 Strasbourg  
Phone +33 3 88 60 39 52  
Fax +33 3 88 60 53 24  
[www.hoval.fr](http://www.hoval.fr)