



PARTNER  
IN VENTILATION  
2VV.CZ

EN

# AirGENIO

## Prime



OPERATION AND HANDLING

CE



## CONTROL

### READ CAREFULLY!

#### Before the initial commissioning, check:

- that the device is well fastened to the support structure,
- that the device is properly closed
- that the power supply is properly connected, including the earthing and the external trigger protection,
- that all the electrical components are securely connected,
- that the installation complies with all the instructions herein,
- that no tool or any other object that may damage the unit remains within.

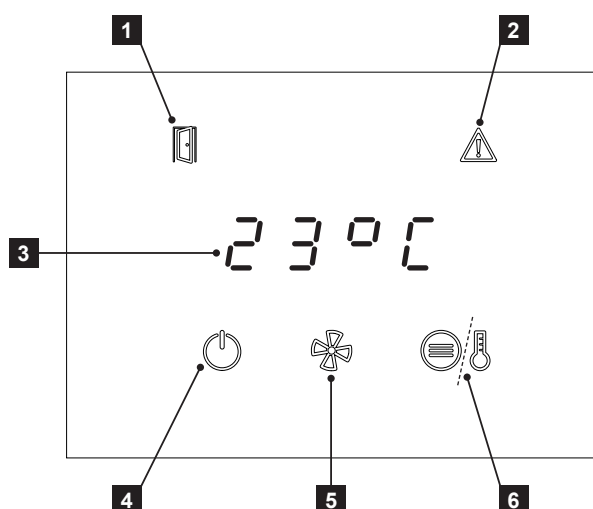
### CAUTION!

- Interventions or changes to the internal connections are forbidden and shall result in the loss of warranty.
- We recommend the use of accessories supplied by our company. Contact your supplier in case of doubts regarding the use of non-original accessories.

### Start-up:



The unit starts by pressing the power-on symbol for 2 seconds.



- 1 Open door status icon
- 2 Error signalization
- 3 Seven-segment display
- 4 ON/OFF button (hold 2 secs.)
- 5 Speed control button
- 6 Temperature settings

## INDICATION ON THE PRIME CONTROL PANEL

- The LED above the button lights up - button press evaluated.
- ON/OFF LED flashes - time switch mode is active.
- FAN LED flashes - aftercooling is active.
- HEAT LED flashing - heating output limited due to insufficient airflow (electric version only), flashes only 20 seconds after HEAT button is pressed.
- Door LED lights - door is open
- LED Door flashes - Doo mode active
- ERROR LED lit - ERROR indication or freeze protection active. And at the same time the display shows an error code when the air curtain is in ON mode. In standby mode, only the ERROR LED remains lit.

### LIST OF ERROR CODES:

E44 - FAN FAILURE  
 E45 - MAINTANANCE NEEDED/CLOGGED AIR FILTER  
 E46 - HEATER ERROR  
 E47 - OUTSIDE TEMPERATURE SENSOR FAILURE SLAVE1  
 E52 - MAINTANANCE SOON NEEDED/AIR FILTER CLOGGED > 80%  
 E60 - WATER OUTLET TEMPERATURE SENSOR FAILURE  
 E61 - ROOM TEMPERATURE SENSOR FAILURE  
 E62 - OUTSIDE BMS TEMPERATURE SENSOR FAILURE  
 E63 - ROOM BMS TEMPERATURE SENSOR FAILURE  
 E65 - COMMUNICATION FAILURE (BETWEEN CONTROL PANEL AND MAIN BOARDS)  
 E70 - WATER HEATER ANTIFREEZE PROTECTION  
 E80 - MODBUS GATEWAY COMMUNICATION FAILURE  
 E82 - TACHO STATE ERROR

### AUTOMATIC FAN SPEED CONTROL INDICATION:

If the FAN button is pressed in the automatic fan speed control, the display shows the warning "Auto" for about 3 seconds, and in the next 3 seconds the current fan speed is displayed (e.g. "F 33" for 33% fan speed)

### Interruption of time switch mode from control panel:

Press ON/OFF – display shows "t. oFF" - timer OFF)

(Reactivation of interrupted time switch mode, is available from APP AirGenio PRIME by disabling and again enabling time switch mode usage)

### BUTTON FUNCTIONS:

#### ON/OFF

Short press button ON/OFF – escape or enter (according to actual position in the menu)

Long press button ON/OFF – ON/OFF or time switch mode interruption

6 short presses in rapid succession (double-click on the button) - activate the remote-control lock if the lock code is set in APP AirGenio PRIME

#### FAN

fan speed selection / fan speed info or setting tens when entering the controller lock code.

#### HEAT/Function button

heating power or desired ROOM temperature selection/ info of the set heating power or current ROOM temperature or setting unit when entering controller lock code.

# i

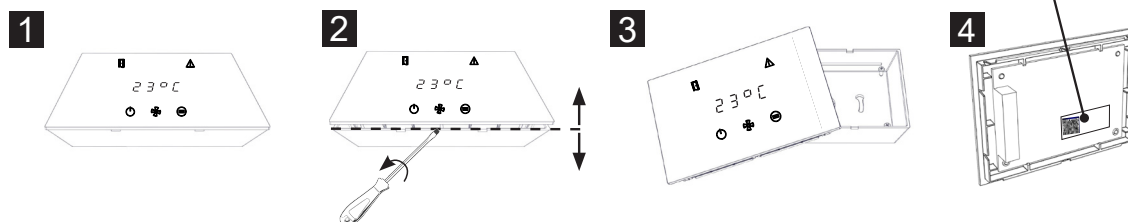
## CONNECTING SMART DEVICES TO PRIME CONTROL

1. Download and install the AirGENIO Prime app in your smart device - <https://www.2vv.cz/en/apps/airgenio-prime/>
2. Open the driver see image below and connect to the WiFi control using the camera
3. Open the AirGENIO Prime app on your smart device and connect.

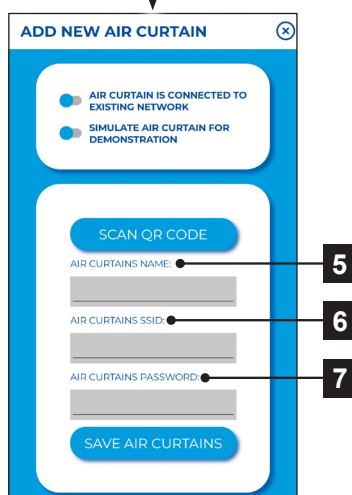


<https://www.2vv.cz/en/apps/airgenio-prime/>

Connection information is located on the label (inside of the controller)

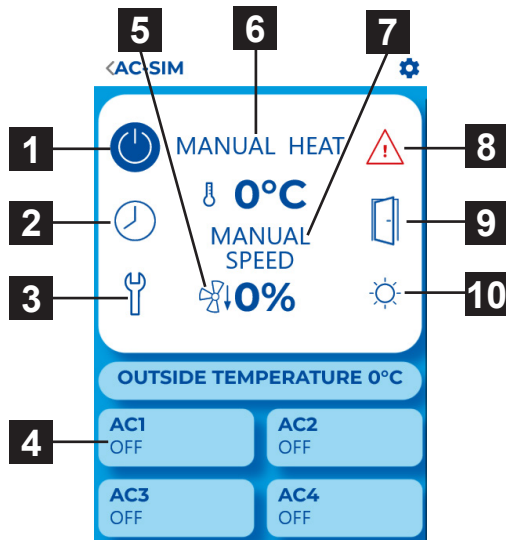


1. Change the language of the application
2. List of devices
3. Adding a device
4. Connect to a device



5. Device name (any)
6. SSID of the device (info on the label)
7. Password (info on the label)

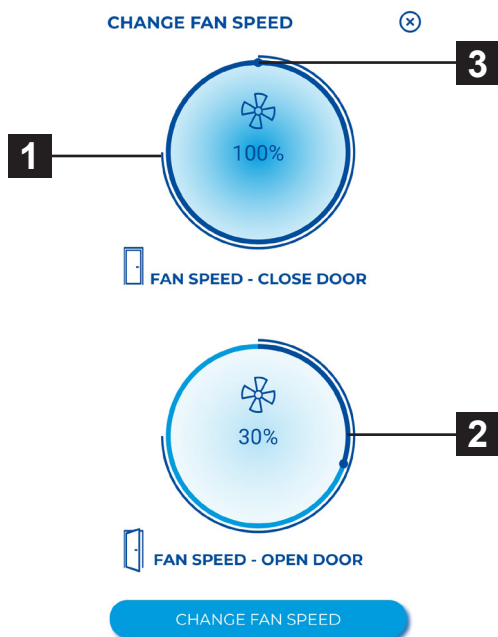
## i INFORMATION ICONS



1. ON/OFF
2. Timer
3. Enter service menu
4. Overview of sub-units (SLAVE)
5. Heater cooling
6. Heating output / desired temperature
7. Fan speed
8. Warning icon (ERROR)
9. Door open indication
10. Blocked heating indication (summer mode)



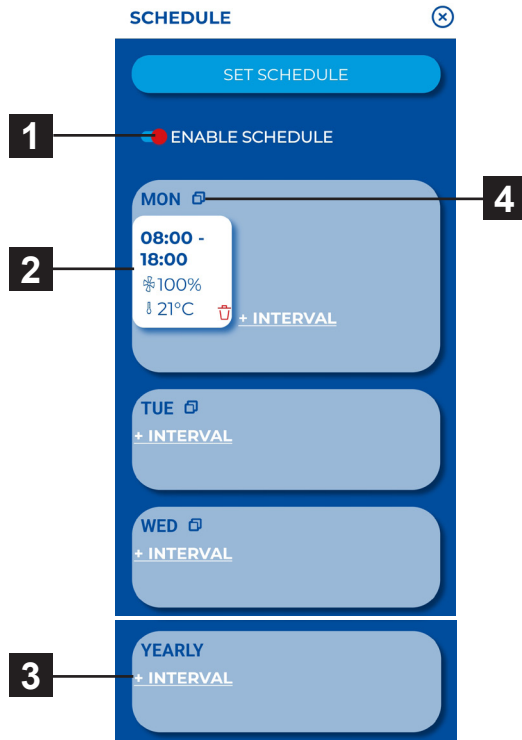
## AIR FLOW SETTING (WITH DOOR CLOSED/OPEN)



1. Display the current air flow status
2. Display required air flow (EC - step 5% ; AC - 3 speeds)
3. Reduce or increase opening's air flow (with closed doors)



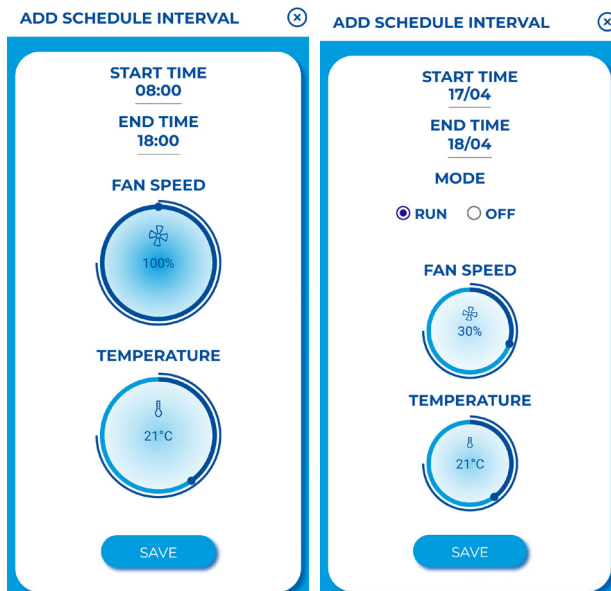
## UNIT'S TIME SWITCH



1. Activation / deactivation of time switch
2. Week regime
3. Year regime

### Week mode

### Year mode

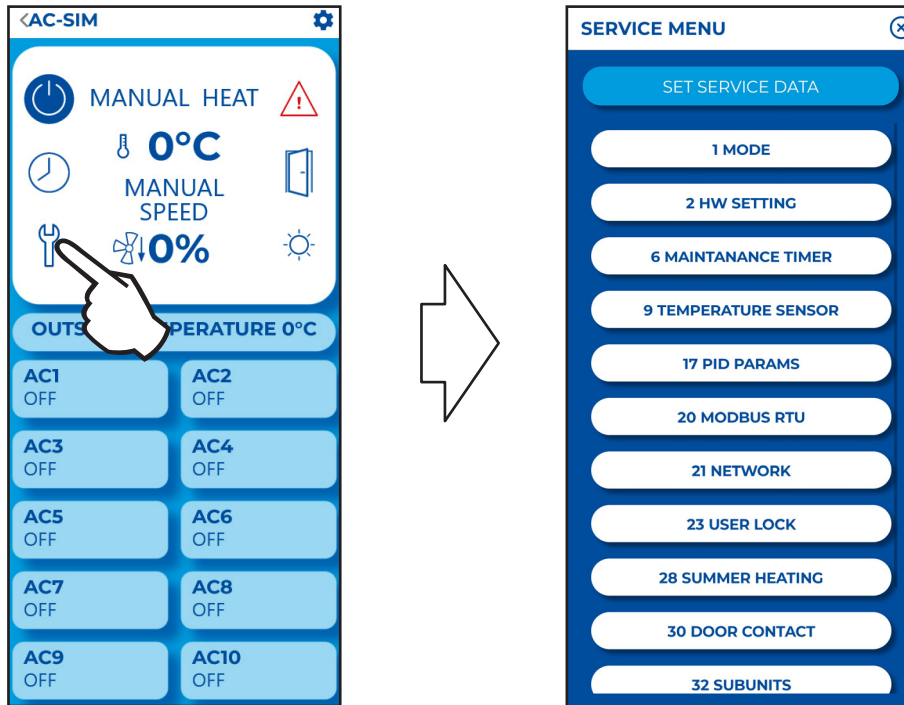


⊗ Touch to set individual intervals of ventilation (time ON/OFF, vent. mode, vent. level, temperature)

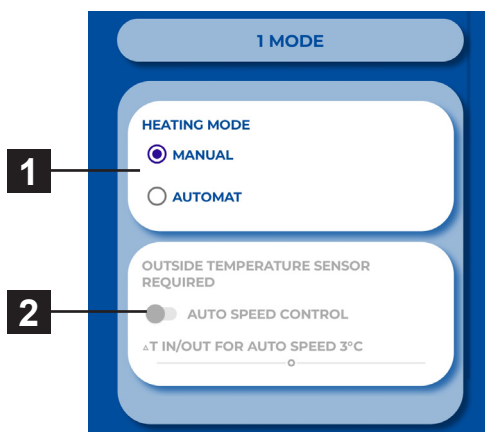


## SERVICE MENU

This MENU is intended primarily for service technicians or users who have experience with HVAC units. Changes in this MENU can lead to improper operation of the unit. If you are uncertain, first contact your supplier for more information.



## 01 Mode



1. MANUAL or AUTOMAT control
2. Activate/deactivate automatic control of fan speed according to temperature

## 02 HW setting

The screenshot shows the '2 HW SETTING' menu with the following options and callouts:

- 1** points to the 'DOOR INPUT' section, where 'NORMALLY OPEN' is selected.
- 2** points to the 'EXT. CONTROL INPUT' section, where 'NORMALLY OPEN' is selected.
- 3** points to the 'OUTSIDE TEMP SENSOR' section, where 'NONE' is selected.
- 4** points to the 'EXT. CONTROL MODE' section, where 'EXTERNAL CONTROL' is selected.
- 5** points to the 'ROOM THERMOSTAT INPUT' section, where 'NORMALLY OPEN' is selected.

Other visible options include 'NORMALLY CLOSE' for door and external control inputs, 'EXTI - ONLY ON ACT' and 'BMS' for the outside temp sensor, and 'NONE' for the external control mode. There is also an 'ENABLE TACHO INPUT' toggle and a 'RESET DETECTED ROOM' button at the bottom.

1. Door contact (NO/NC)
2. External control contact (NO/NC)
3. Ad 1)
4. Ad 2).
5. Ad 3)

**Ad 1)** – External temperature sensor activation/settings  
Options:

**None** – no sensor connected – inactive  
**EXT-1 (45,46)** – sensor connected (must be on terminals 45 y 46)  
**BMS** – sensor active and used from the master system

**Ad 2)** - Sets the external contact input behaviour. Options:

**None** – inactive  
**External control** – External switching of device  
**Night reduction** – Night reduction on/off (settings described below)

**Ad 3)** - Thermostat (NO/NC)

## 06 Maintenance timer

The screenshot shows the 'Maintenance timer' menu with the following options and callouts:

- 1** points to the 'ENABLE' toggle switch, which is currently turned off.
- 2** points to the 'MAINTANANCE MAX. TIME 4500H' slider, which is set to 4500 hours.
- 3** points to the current timer status, which is 4500 hours.
- 4** points to the 'RESET TIMER' button.

1. Enable maintenance timer
2. Set the time after which a notice will appear in the main screen. 1000h ~ 5000h
3. Current timer status
4. RESET button (use after maintenance)

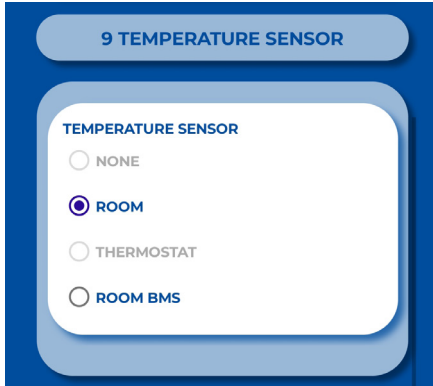


## 09 Temperature sensor

### Available only in automatic mode

Use this menu to select the sensor to be used for primary temperature control

#### Automatic mode.



9 TEMPERATURE SENSOR

TEMPERATURE SENSOR

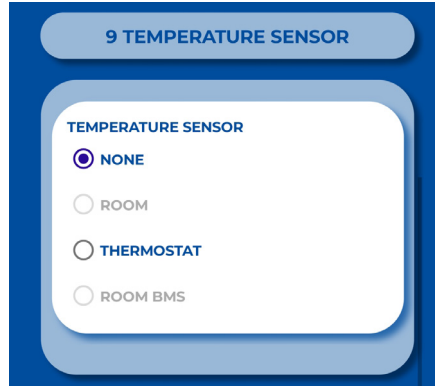
☐ NONE

☒ ROOM

☐ THERMOSTAT

☐ ROOM BMS

#### Manual mode.



9 TEMPERATURE SENSOR

TEMPERATURE SENSOR

☒ NONE

☐ ROOM

☐ THERMOSTAT

☐ ROOM BMS

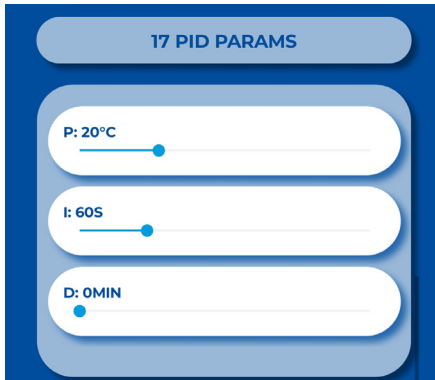
#### Options:

**Room** – Room temperature sensor

**Thermostat** – Room thermostat (ON/OFF)

**Room BMS** – Room temperature received from building management system

## 17 PID parameters



17 PID PARAMS

P: 20°C

I: 60S

D: 0MIN

Setting the regulation characteristics If regulation is variable or inconsistent. This setting may be carried out solely following consultation with the manufacturer.

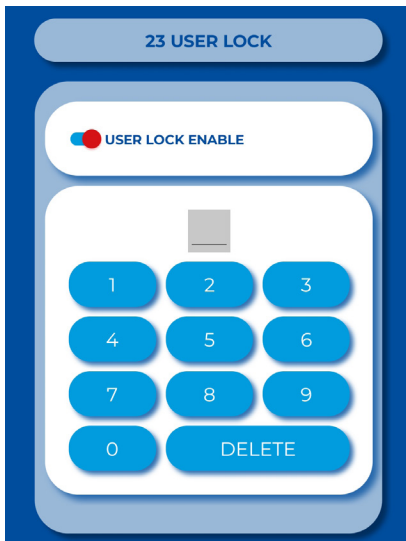
## 20 Modbus RTU

The MODBUS menu is used to set the Modbus communication.

## 21 Network

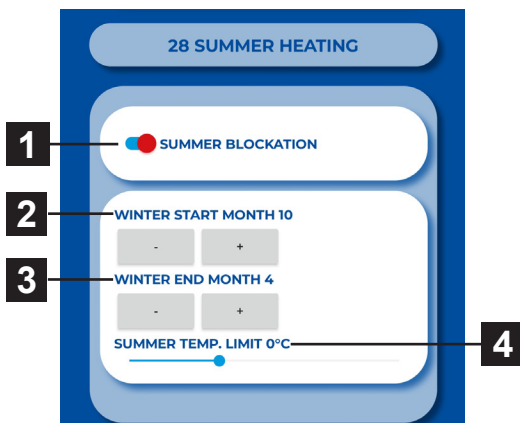
The NETWORK menu is used to set up the control's network communication so that you can connect to multiple devices from one local WiFi network.

## 23 User lock



To lock the remote control, you can enter a two-digit code which you will then need to enter on the touchpad to unlock it.

## 28 Summer heating

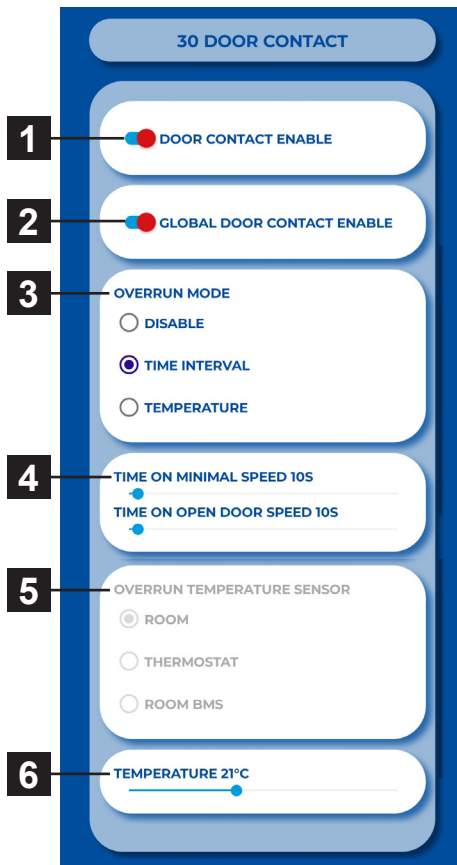


Use this menu to set heating limits in summer months.

If the outside temperature sensor is not set, the “summer heating” mode will operate only according to the selected time and the temperature will not be taken into account

1. Enable/disable function
2. Start of winter period (month number)
3. End of winter period (month number)
4. Temperature limit – the heating is disabled if the temperature on the “Outdoor” sensor is higher than the one set here

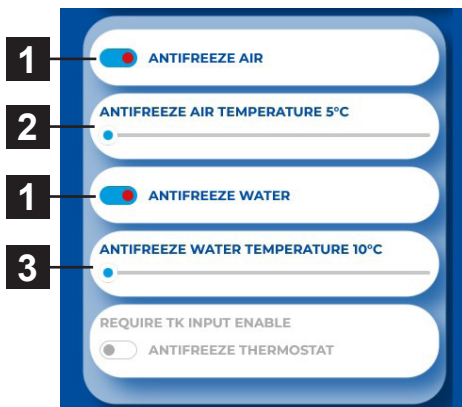
## 30 Door contact



This MENU allows setting of behaviour of the regulator according to door contact

1. Enabling/disabling the function
2. Global door contact activation (multiple door screens for one door)
3. Setting the timeout mode - time interval  
The duration of air curtain operation at minimum fan speed from door closing.  
Air curtain operation time at maximum fan speed from door closing.
4. Setting the fan run time to minimum and maximum power
5. Run time at set temperature
6. Desired temperature for open door mode

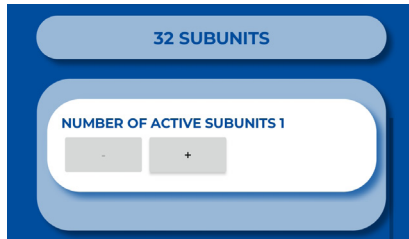
## 31 Water antifreeze



The menu is enabled only in units with water exchanger

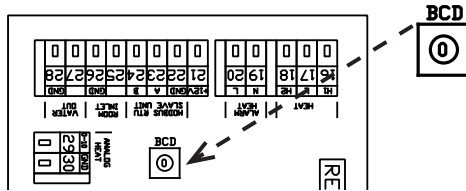
1. Enable/disable function
2. If the air temperature is lower than the set one, the frost protection will be activated
3. If the water temperature is lower than the set one, the frost protection will be activated

## 32 Subunits



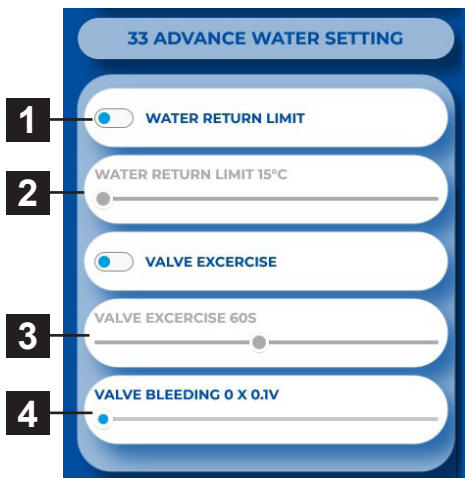
This menu is used to set the number of connected subunits (SLAVE).

Slave address setting:



| ADDRESS | SLAVE UNIT | ADDRESS | SLAVE UNIT |
|---------|------------|---------|------------|
| 1       | 1          | 6       | 6          |
| 2       | 2          | 7       | 7          |
| 3       | 3          | 8       | 8          |
| 4       | 4          | 9       | 9          |
| 5       | 5          | A       | 10         |

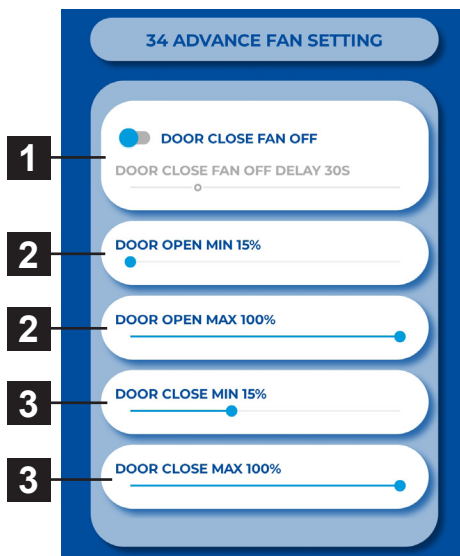
## 33 Advanced water setting



This MENU is available only for units with water heat exchanger it allows for advanced setting of water heat exchanger regulation

1. Enable/disable function
2. Maximum temperature for return water
3. Setting periods for water valve movement.
4. Minimum water flow can be set only for analog control of the valve.

## 34 Adv. fan setting

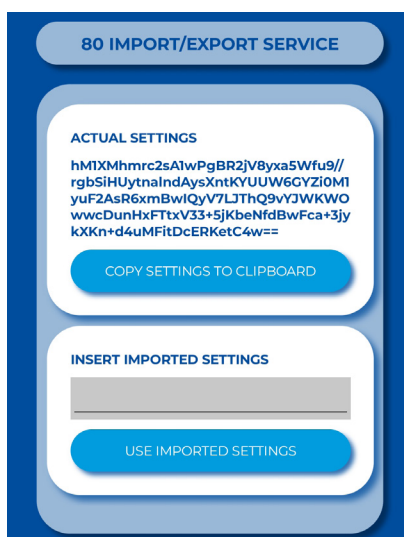


MENU for setting the fan when closing and opening the door. Allows advanced fan control settings.

1. The time for which the fan will be operational from the moment the desired temperature is achieved +0.3°C on the ROOM sensor in closed door mode. This setting is available only when the ROOM temperature sensor is selected (1616 / Temperature sensor)
2. Setting fan power limits for open doors. Min - Max
3. Setting fan power limits for closed doors. Min - Max

The set limits on fan power restrict the extent of fan control for open and closed door. This restriction is applied to manual and automatic control of fan power. Exceeding limits in any fan power setting is signalled when the setting element turns red with the text "overruns".

## 80 Factory reset



If necessary, the complete settings for a given device can be transferred to another device or used in the case of remote technical support (importing the correct settings for a given device)



## **IF YOU ARE UNABLE TO REPAIR THE AIR CURTAIN**

If you were unable to solve a problem, contact the supplier or the representative of 2VV. Warranty and post-warranty service are provided by the supplier or an authorised service included in the list available at the supplier's.

Give the following information to the supplier or service:

- **type designation of the air curtain**
- **accessories in use**
- **place of installation**
- **serial number**
- **conditions of the installation (incl. electrical)**
- **period of operation**
- **detailed description of the malfunction**

## **CLEANING**

- Do not use compressed air, chemicals, solvents or water to clean the air curtain.
- Use a soft brush or a vacuum cleaner to clean the suction cover and the inside of the air curtain.
- More to see in the installation manuals of air curtains
- 
- 

## **DECOMMISSIONING THE PRODUCT – LIQUIDATOION**

Before scrapping the product, make it unusable. Old products still have raw materials that can be reused. Take them to a collection centre for secondary raw materials. It is preferable to have the product liquidated by a specialist so that the recyclable materials may be reused. Take the unusable parts to an appropriate waste disposal site.



The disposal of materials must observe the applicable waste management regulations.

Once the it has been installed, read carefully the safe operation manual of the unit. That manual includes examples of possible problems and recommended solutions. In case of any requests or inquiries, contact our sales or technical support department“

## CONTACT

**Address**

2VV s.r.o., Nádražní 794  
533 51 Pardubice - Rosice  
Czech Republic

**Website:**

<http://www.2vv.cz/>

