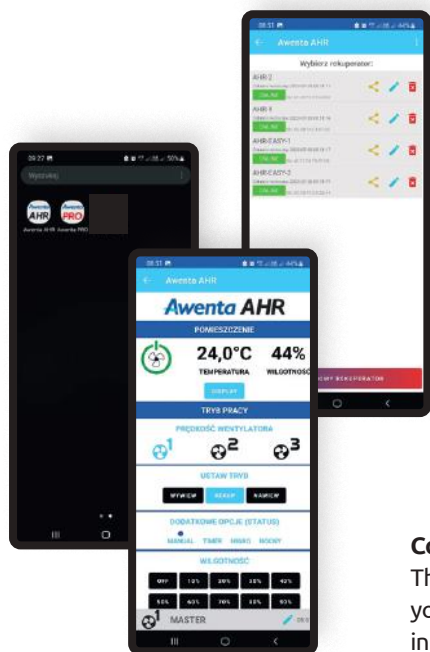


# AHRP160 PLUS

NOVELTY

AHRP160



Awenta AHR app available on **Android**.

With the mobile app you can remotely manage your AHR family fans without the need for a remote control.

### Comprehensive application

The extensive virtual control panel allows you to manage the functions of the AHR160 in detail.



Decentralized ventilation

I	24 dB (A)	23 m <sup>3</sup> /h	18 m <sup>3</sup> /h	4 W
II	34 dB (A)	36 m <sup>3</sup> /h	30 m <sup>3</sup> /h	5 W
III	39 dB (A)	52 m <sup>3</sup> /h	45 m <sup>3</sup> /h	7 W

Filter G3



G3 class filter included

### Functionality of the application:

Switching on/off	Synchronised operation - info+activation
Current temperature	Night mode (time setting + activation)
Current humidity	Time to filter change
Gear shift	Reset time to filter change
Recuperation mode	Remote timer setting on the unit
Supply air mode	Info master/slave
Exhaust mode	Info current gear
Hygro mode	
Timer mode	

### EQUIPMENT



Wi-Fi



Terminal block



3 speed



Remote control

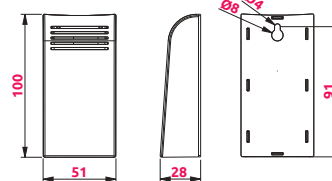
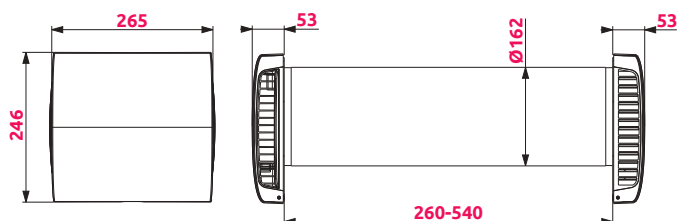


Timer



Humidity sensor

### DIMENSIONS



BALL BEARINGS



4 RAWLPLUGS AND SCREWS



30 000 H



TIGHTNESS CLASS



**1** The ceramic exchanger is the heart of the device and one of its most important elements. In AHR, a hexagonal exchanger was used, thanks to which one of the highest heat recovery rates in decentralized ventilation devices available on the market was obtained.



**2** Duct was made of PVC with addition of silver ions to prevent proliferating of bacteria inside of it. Additional insulation was used to reduce condensation and heat loss.



**3** Main components are made of ABS plastic with addition of UV stabilizer increasing resistance to sunlight.



**4** Energy - saving brushless motor 24V DC.



**5** The AHR is equipped with two air purifying filters.



**6** The AHRP160 is equipped with an infrared remote control, enabling the device to be operated in the full range of changing operating modes, operating speed as well as switching on and off.



**7** Automatic shutters that cut off the air flow when the device is turned off and a soundproofed internal panel increase the comfort of use.



**8** The wireless temperature and humidity sensor enables automatic operation of the device, which, based on the measurements, adjusts the operating speed.



Additional filter: G3 class. Included as standard.



For thick walls it is possible to obtain longer isolation duct AHR160KO-075 at length 750 mm.



**9**

**Wyświetlenie 1**

Wyświetla tryb pracy (zadany) i temperaturę powietrza w pomieszczeniu (zadany).

**Wyświetlenie 2**

Wyświetla tryb pracy i poziom wilgotności powietrza, ustawiony bieg, wilgotność w pomieszczeniu.

**Wyświetlenie 3**

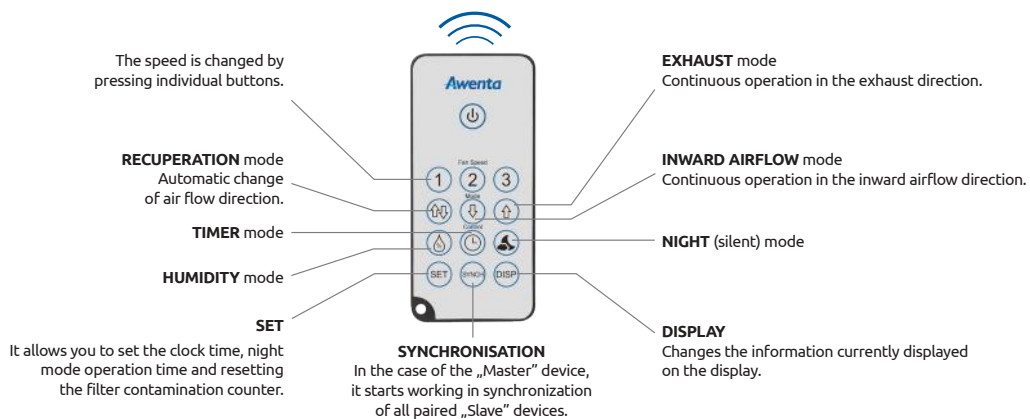
Wyświetla tryb pracy i temperaturę powietrza, ustawiony bieg, temperaturę w pomieszczeniu.

**Wyświetlenie 4**

Wyświetla godzinę.

**Wyświetlenie 5**

Sequencyjnie zmienia wyświetlanie (25, 30, 45 sekund)



**RECUPERATION mode**  
The air flow direction is changed automatically based on the measurement temperature.



**AIR SUPPLY / EXHAUST mode**  
Continuous operation in the inward or exhaust airflow direction at the room.



**HUMIDITY mode**  
The speed depends on the settings and currently measured humidity.



**TIMER mode**  
Enables automatic shutdown of the device after 5-180 minutes.



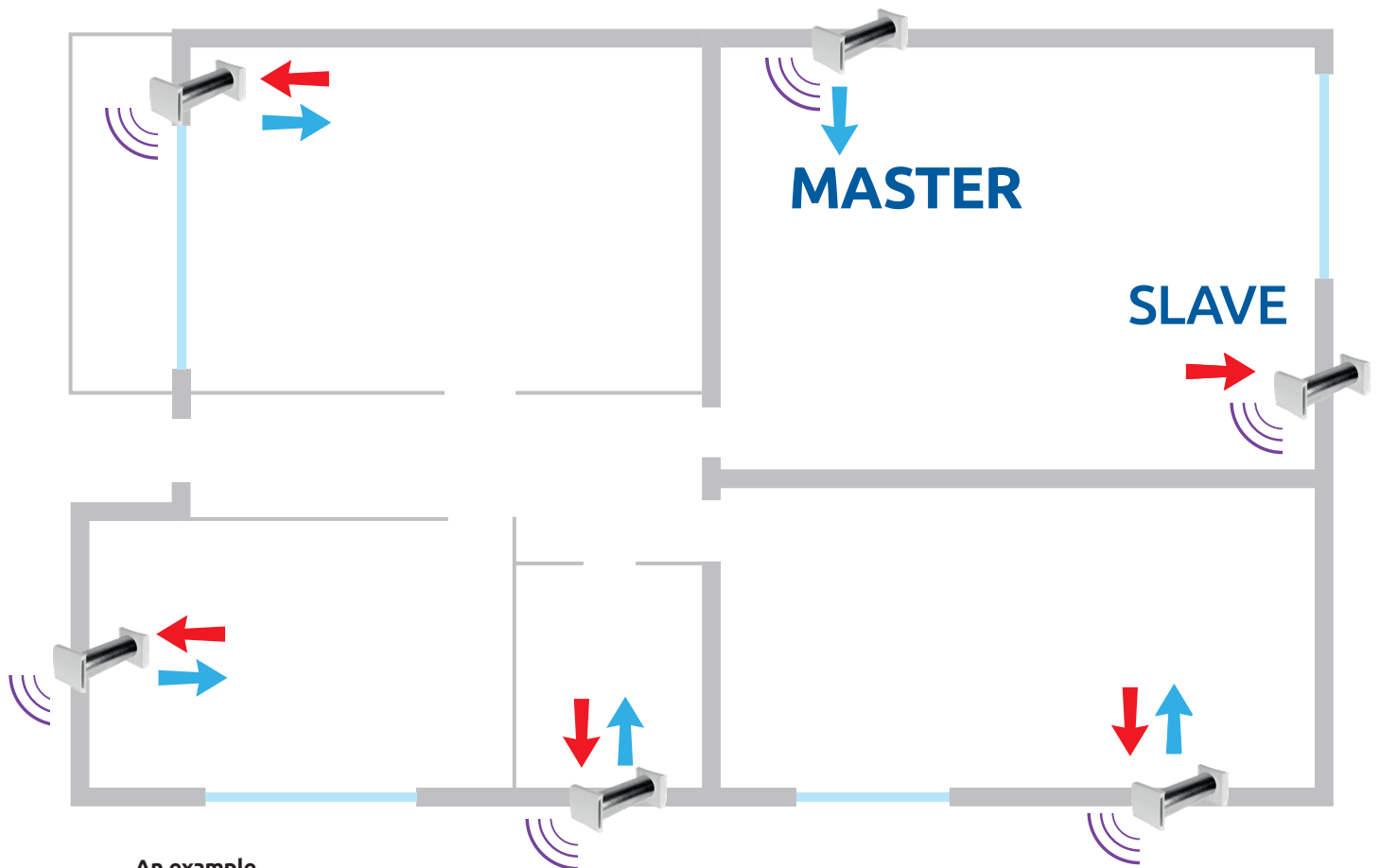
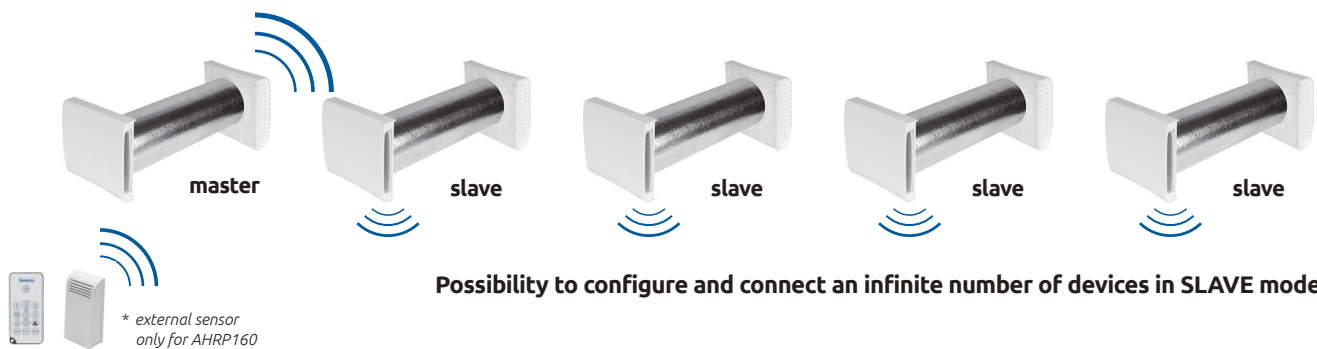
**NIGHT (silent) mode**  
The night mode is activated at the user-set clock time, reducing the efficiency of the device.

# AHR160 PLUS, AHR160 EASY

AHRP160, AHRE160

The AHR series has the ability to connect several devices installed in one or more rooms with the possibility of pairing them via wireless communication. No hassle of connecting devices with a power cord. Connection

possible in various modes, e.g. both units only supply or only exhaust and alternate operation, one unit blows in and the other blows out.



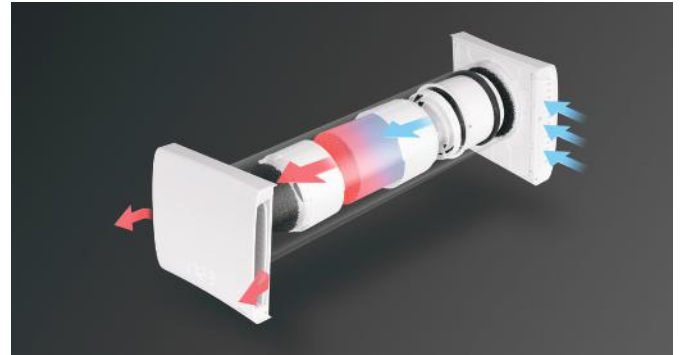
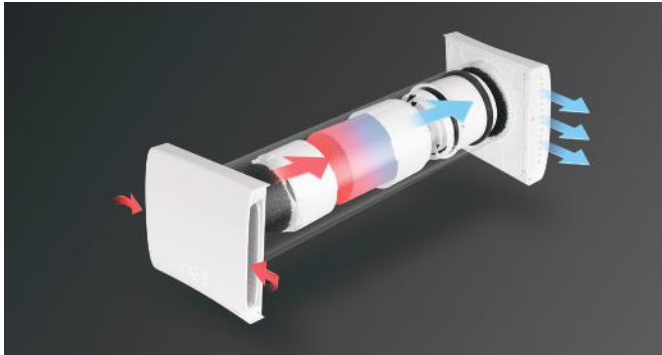
An example of AHR devices arrangement



30 000 H



TIGHTNESS CLASS



### EXHAUST

During exhaust operation, the heat is stored in a ceramic heat exchanger. After the exchanger is completely warmed up, it automatically changes the direction of operation.

### AIRFLOW

The heat accumulated in the exchanger is collected by the supply air stream and then transferred to the room. After the exchanger cools down, it automatically changes the direction of operation.

The optimal one-way operation time is determined by the temperature readings from sensors located upstream and downstream of the heat exchanger.

### The principle of AHR devices operation

