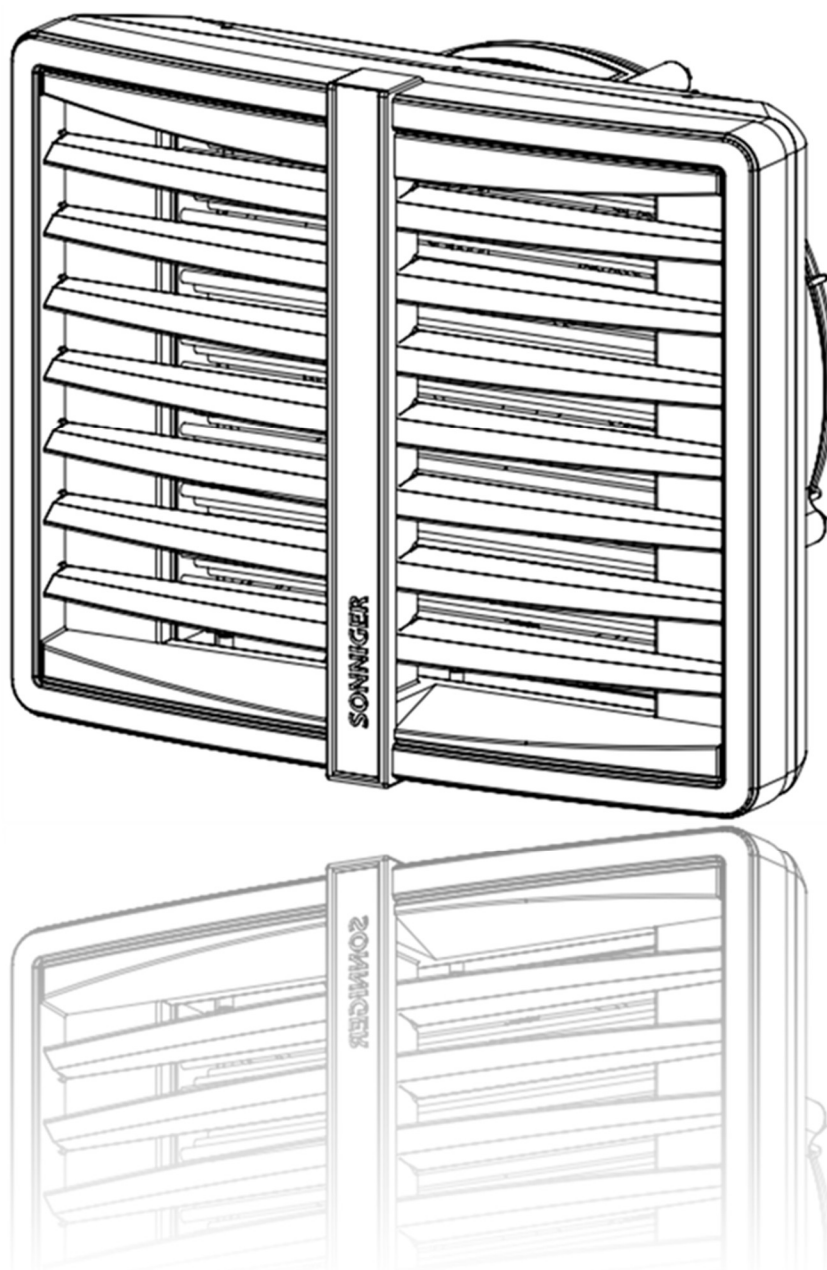


OPERATION AND MAINTENANCE DOCUMENTATION HEATER CONDENS



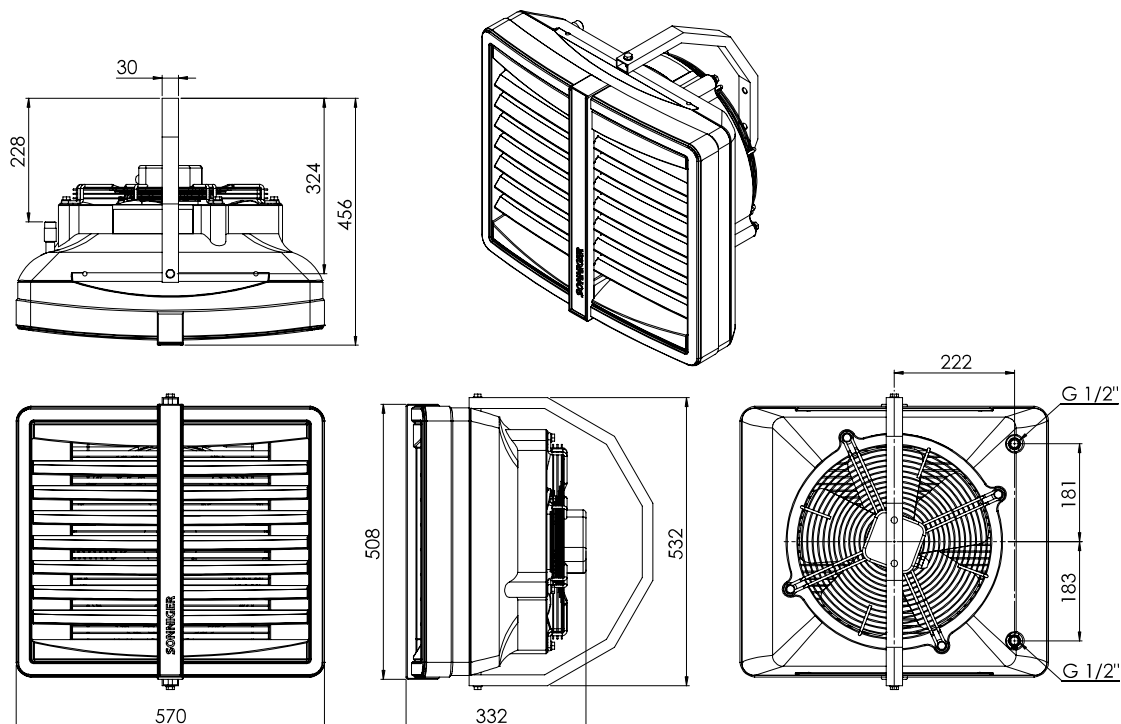
SONNIGER S.A.

ul. Podolska 21, 81-310 Gdynia, Poland, infolinia 801 055 155, tel. + 48 58 785 34 80, www.sonniger.com
Sąd Rejonowy Gdańsk-Północ, VIII Wydział Gospodarczy Krajowego Rejestru Sądowego, KRS 0000966611, NIP 586 227 35
14, Regon 22154369 kapitał zakładowy: 1.655.000 PLN

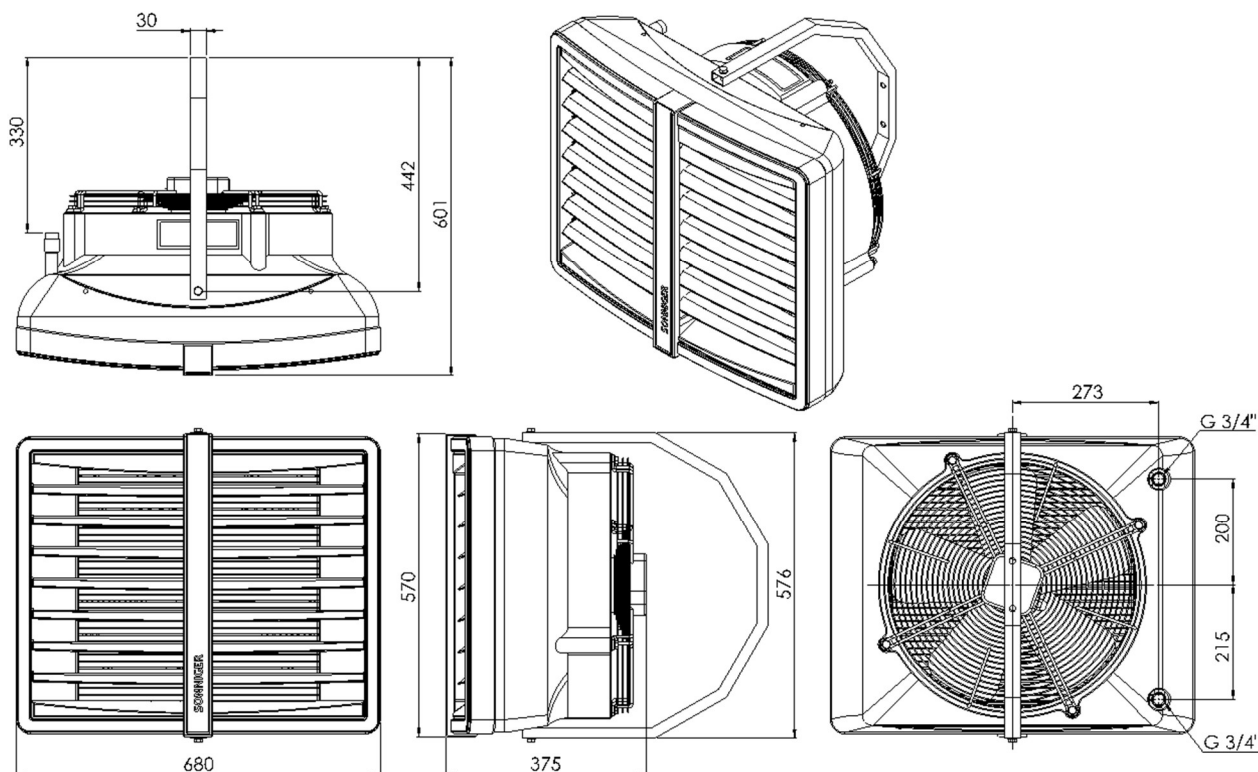
1. OVERALL INFORMATION

HEATER CONDENS heating and ventilation devices are designed to be applied in buildings of small and medium capacity, especially as production and warehouse halls, car showrooms and service stations, sports halls and stadiums, sacral buildings and churches, retail stores and wholesale outlets, agricultural facilities, exhibition surfaces. HEATER CONDENS is a special, dedicated solution to be connected to low water temperature sources (for ex. condensing boilers, industrial heat pumps). The main advantages of HEATER CONDENS are the **high temperature of exhaust air generated** by the low temperature of water supplied to a unit, **maximum use of water coil surface** – new geometry of coil construction (enhanced fins size, lower space between fins), **optimized airflow exhaust** – in effect high air exhaust temperature generated on each speed of the fan.

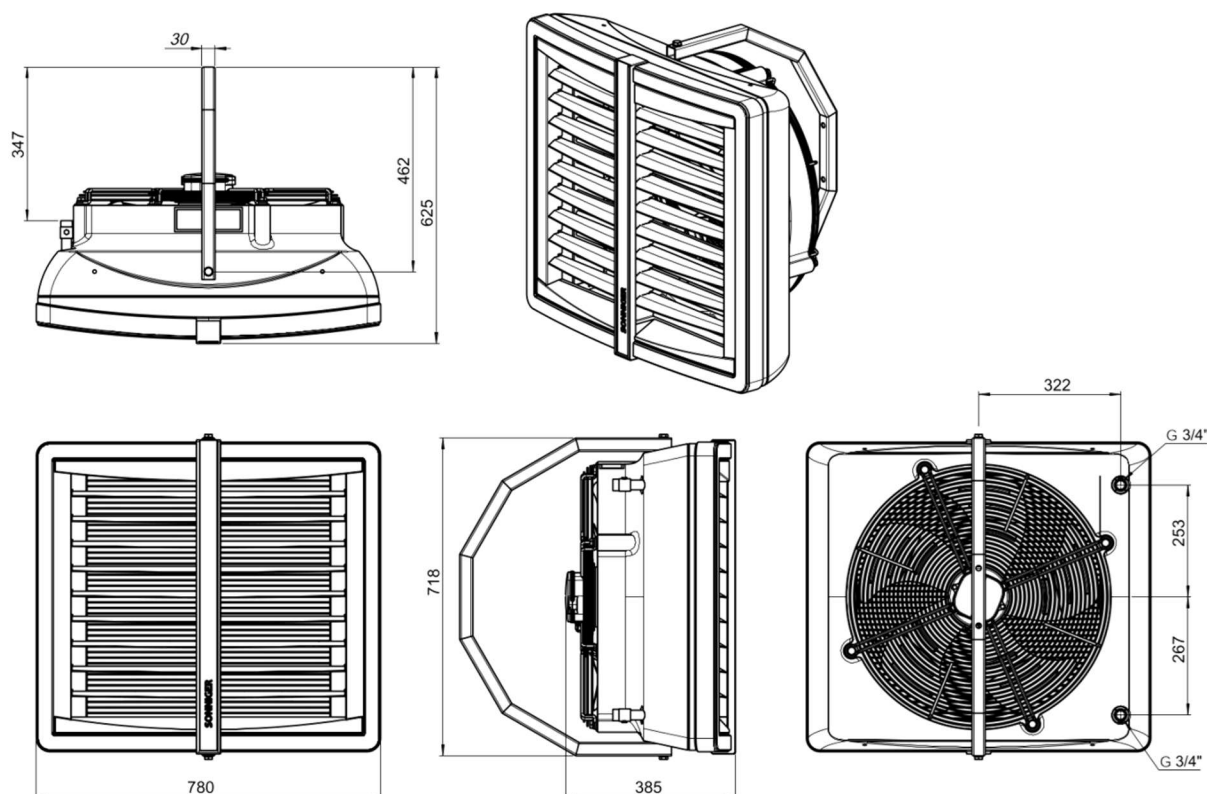
2. DIMENSION AND BASIC TECHNICAL PARAMETERS HEATER CONDENS CR ONE



DIMENSION AND BASIC TECHNICAL PARAMETERS HEATER CONDENS CR1, CR2, CR3, MIX1



DIMENSION AND BASIC TECHNICAL PARAMETERS HEATER CONDENS CR2 MAX, CR3 MAX, CR4 MAX, MIX2



Elements of the HEATER CONDENS devices

- 🔧 Casing made of highly resistant EPP (expanded polypropylene) material
- 🔧 Regulated louvers
- 🔧 EC axial fan 350 mm, 450 mm or 550mm dimension; protected from access to revolving elements with safety netting
- 🔧 Heat exchanger – (Cu/Al) made of copper tubes placed in an aluminum lamellar exchanger/block with stub connection 1/2", 3/4". Stub connections are equipped with air-release valves and water agent release

TECHNICAL PARAMETERS		HEATER CONDENS							DESTRATIFIER	
		CR ONE	CR1	CR2	CR3	CR2 MAX	CR3 MAX	CR4 MAX	MIX 1	MIX 2
Suggested heat output range*	kW	5-25	10-35	15-50	20-70	25-70	35-95	40-120	-	-
Heat output (90/70°C) / ΔT air temperature increase**	kW / °C	19 kW/35°C	23 kW/18°C	39 kW/33°C	50 kW/48°C	55 kW/30°C	74 kW/49°C	94 kW /60°C	-	-
Heat output (70/50°C) / ΔT air temperature increase**	kW / °C	13 kW/25°C	16 kW/13°C	26 kW/22°C	35 kW/34°C	40 kW/22°C	53 kW/35°C	68 kW/44°C	-	-
Heat output (50/30°C) / ΔT air temperature increase**	kW / °C	7 kW/15°C	9 kW/8°C	13 kW/11°C	20 kW/20°C	25 kW/14°C	32 kW/21°C	42 kW/27°C	-	-
Max air output - III speed	m³/h	1 600	3 900	3 350	2 950	5 700	5 600	5 100	4 800	7 200
Sound level I/II/III speed****	AC dB (A)	35/46/52	44/52/62	41/50/60	39/48/60	41/50/59	40/48/58	40/48/58	36/44/54	31/42/49
Sound level I/II/III speed****	EC dB (A)	30/41/47		37/46/55			39/45/54		37/46/55	39/45/54
Number of unit rows		2	1	2	3	2	3	3	-	-
Max working pressure	MPa	1,6		1,6			1,6		-	-
Max airflow range *****	m	14	24	21	19	26	25	23	13***	16***
Diameter of connection nozzles	cale	1/2"		3/4"			3/4"		-	-
Power supply	AC V/Hz /A	230/50 0,58A		230/50 1,08A			230/50 2,2A		230/50 1,08A	230/50 2,2A
Power supply	EC V/Hz /A	230/50 0,59A		230/50 1,09A			230/50 2,29A		230/50 1,09A	230/50 2,29A
Power supply	EC V/Hz /A	230/60 0,59A		230/60 1,09A			230/60 2,29A		230/60 1,09A	230/60 2,29A
Motor power	AC W	124		250			520		250	520
Motor power	EC W	127		250			520		250	520
Motor speed	AC obr/min	1400		1350			1380		1350	1380
Motor speed	EC obr/min	1550		1360			1410		1360	1410
Protection class IP		IP 54		IP 54			IP 54		IP 54	
Weight without water/with water	AC kg	9,6/10,7	10,8/11,9	12,7/14,8	14,5/16,9	23,6/25,2	25,2/27,4	25,5/28	9,2	15,8
Weight without water/with water	EC kg	10,1/11,2	11,8/12,9	13,7/15,8	15,5/17,9	25,1/26,7	26,7/28,9	27/29,5	10,2	17,3

* presented heat output for water agent temperature range 50/30°C – 120-90°C, air inlet temperature 0°C, III speed.

** for air inlet temperature 0°C

*** max height of installation for vertical airflow, max working area 380 m² for HEATER MIX 1 and 450 m² for HEATER MIX 2

**** measured in the distance of 5m

***** Horizontal range of isothermal steam at the velocity of 0,5m/s

3. GENERAL INFORMATION

HEATER CONDENS heating and ventilation devices are manufactured in compliance with standards concerning quality, ecology, utility and work comfort. HEATER CONDENS devices are delivered ready-to-use in a cardboard package that is to protect from mechanical damage. The package consists of: the device, the Manual (Operation and Maintenance Documentation) and the Guarantee. If the optional automatic control is ordered, it shall be delivered in a separate package. Make sure all the aforementioned elements are in the package immediately after delivery. In the absence of any element, please fill in the suitable carrier document.

ATTENTION !

- ❶ Before mounting read the manual carefully and adhere to the rules concerning the mounting procedures. Not applying may result in inappropriate functioning of the device and the loss of the guarantee rights.
- ❶ Pay special attention when working with electrical elements of the device.
- ❶ Any installation operations must be carried out by qualified persons with appropriate authorizations

4. ASSEMBLY

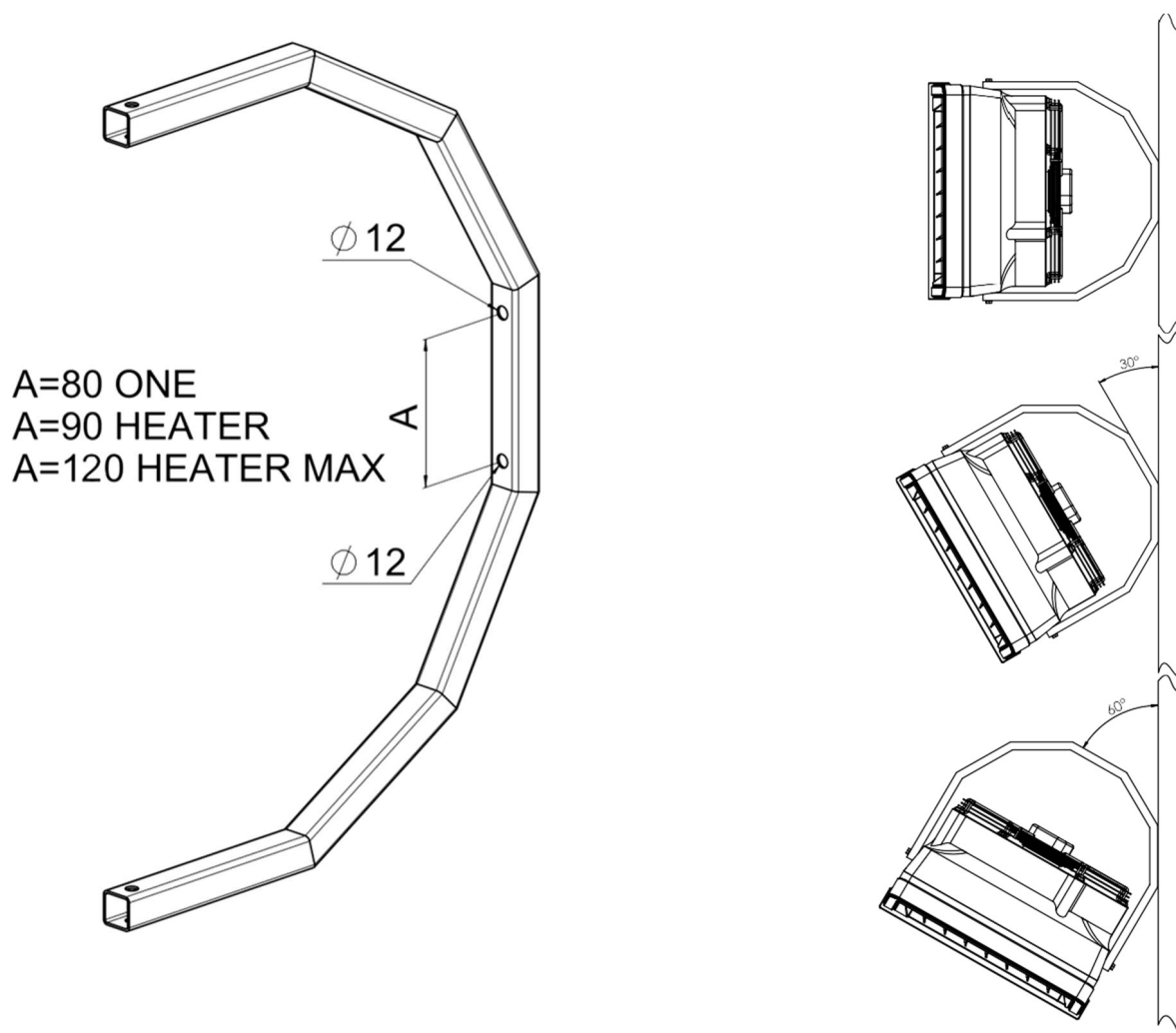
Before any installation procedures, consider the following aspects: easy access for maintenance works, access to water and electrical installation, and appropriate air distribution in a room.

Each HEATER unit is equipped with a set of 2 interchangeable color inserts; to change the color, remove the insert from the front panel and place the desired one back in place.

It is advisable to mount the device to the wall or the ceiling on original mounting brackets, supporting mount pins (not delivered with the device), or supporting constructions (shapes and dimensions of the supporting construction may be individually designed in compliance with durability and strength requirements).

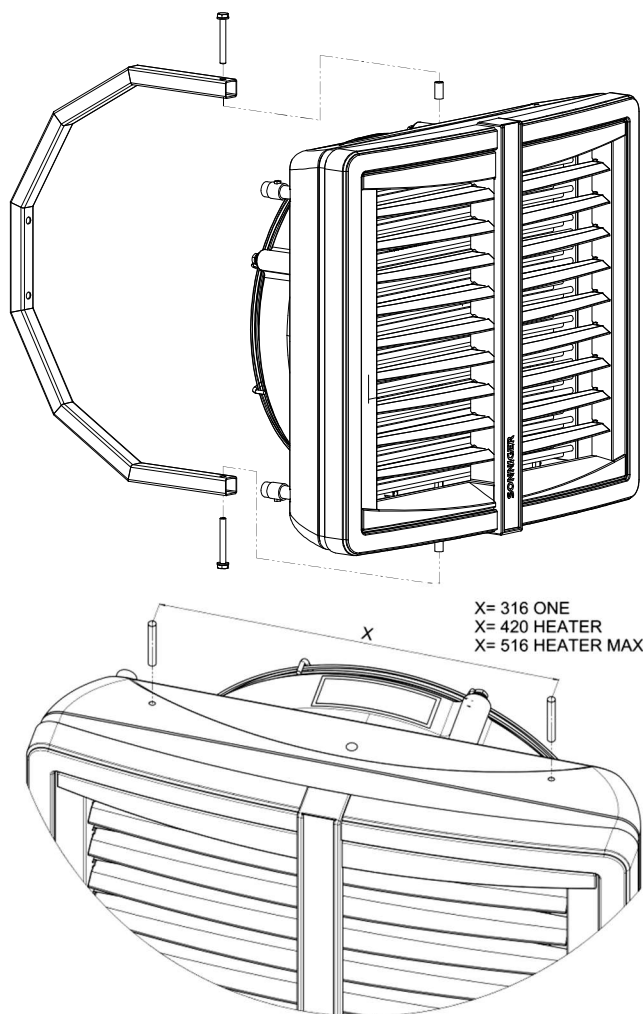
In case of mounting to the ceiling, pay attention to the fact that air-release/venting of the device may be difficult so it is advisable to place the vent at the highest point of the pipework.

The device may be mounted to the wall with the use of a mounting bracket at the angle of 0°, 30°, or 60°. A mounting bracket holder is made of a curved profile. It has two holes for vertical assembly. Assembly to the wall and/or to the ceiling is possible at different angles but it requires making necessary holes in the holder.



Mounting bracket to the heater

The bracket set consists of a holder, two sleeves, two M8 screws, and washers. To mount the bracket, drill two Ø12-13mm holes in places visibly marked on the casing. Insert sleeves into drilled holes and place the bracket in. The included holder must be screwed with M8 screws with washers.



Installation of mounting pins

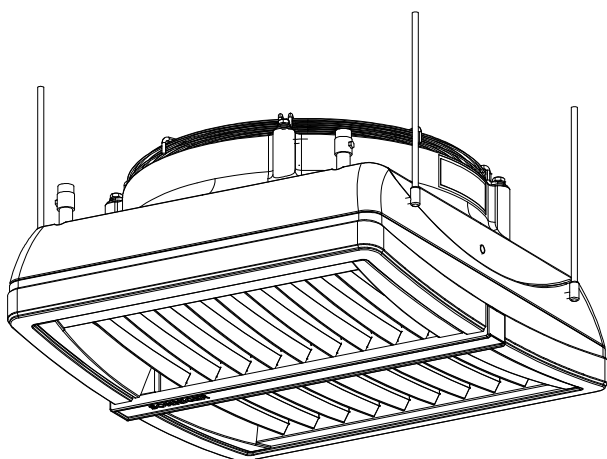
To mount the heater to the ceiling, use M8 mounting pins. Drill two Ø8-9mm holes in places visibly marked on the casing. Mounting pins may be screwed into the frame not deeper than 20 mm

ATTENTION !

- ❶ While drilling the holes in marked places be careful not to damage the coil by going deeper than 20mm!

Assembly of HEATER MIX air mixer

To mount the HEATER MIX air destratifier to the ceiling, use M8 mounting pins. Drill two Ø8-9mm holes in places visibly marked on the casing. Mounting pins may be screwed into the frame of a heat exchanger to a maximum depth of 20 mm. Mounting pins and connecting elements are not included in the unit



NOTICE !

- ❶ To sustain proper functioning of the device keep a safe distance– 200 mm from its sides and 300 mm from its backside (from the fan)

5. ELECTRICAL INSTALLATION

The electrical installation and connection to the power supply must be done in compliance with the existing regulations and standards for the building industry.

The fan's engine is equipped with an internal temperature limit fuse protecting the engine from overheating.

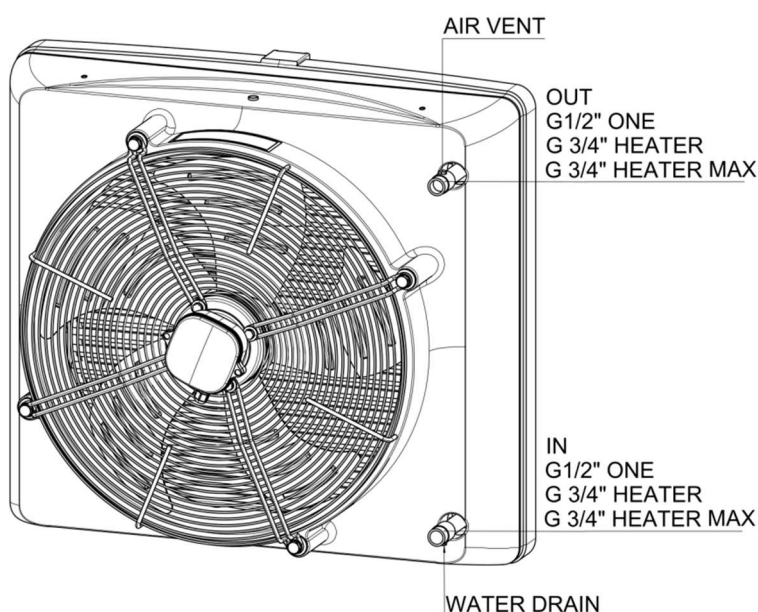
The unit set does not consist of: a feeding cable, or a master switch (see diagram)

The electrical installation must be done by an authorized person, acquainted with the Manual. The connection of the feeding cable and master switch must be done in compliance with the electrical diagram (with or without the automatic control, depending on the option chosen). Any damages incurred as a result of the aforementioned causes are not provided with the Guarantee and the user will be charged with any costs of the device exchange. The connection of the automatic control should be carried out following the electrical diagram.

In case of any doubts or problems, unplug the device and contact the device's installer or SONNIGER Authorized Service.

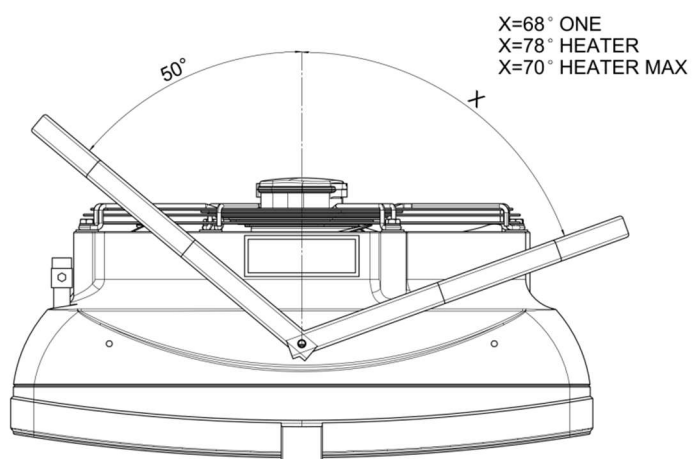
6. WATER INSTALLATION

The installation of the unit should be done in a way enabling maintenance service; on both stub pipes, manual closing valves should be installed to cut off the device. The feeding cables of the heater shall be connected following the symbols/markings on the casing (inlet/outlet). In the case of an electromagnetic valve (with the option of the automatic control), it should be installed on the outlet as it may be damaged otherwise. When the pipework is being connected to the exchanger, secure the connections of the heater from oscillating torque (see figure) that may cause leakage in the exchanger.



Heating medium

The connector pipes are at the back of the device. When connecting the hydraulic pipes/connections, make sure you secure the connector pipes against rotational torque. Notice that the connector pipes are not strained by the pipes. The valve of the heating medium is on the supply pipe and the vent is on the return pipe.



Use flexible connections to allow the heater to be turned to the sides. Depending on the flexible connections, the maximum turn is **70°** - for HEATER CONDENS MAX, **78°** - for HEATER CONDENS CR1, CR2, CR3, **68°** - for HEATER CONDENS ONE, to both sides. The figure shows the maximum angle to one side and 50° to the other with minimal distance left for connections.

7. AUTOMATIC CONTROL - INSTALLATION

A set of automatic control may be used (powered 230V) that consists of the following:

- » INTELLIGENT electronic control panel with an automatic speed controller, weekly program, and BMS communication.
- » 2-way water valve with actuator; valve should be installed on a return stub of the heater.

8. FIRST START

Do all the connections (electrical, water, and automatic control), check for tightness of all connections done by an installer, and air-release/vent the device then start the device in the following sequence:

- 8.1 Switch on the mains,
- 8.2 Set the requested speed of the fan on the revs controller,
- 8.3 Set the requested temperature on the thermostat,

The fan operates continuously irrespective of whether the heater's valve is opened or not.

9. TURNING OFF

To switch the device off do the following:

- 9.1 Set minimum temperature on the thermostat – after 7 seconds valve will be closed and the heating switched off.
- 9.2 Set the main switch to the "0" position (off); the fan the thermostat will be switched off)

10. OPERATION

The engine and fan used in HEATER CONDENS units are maintenance-free devices but regular check-ups are advised, especially motor and bearing (fan's rotor should rotate freely, free from any axial and radial throws and undesired knocks/rattles).

NOTICE !

- ❶ In case of any metallic knocks, vibration or increase in sound level check if the fan mounting/fixing does not work loose contact the installer or SONNIGER Authorized Service
- ❶ If it is planned the operation of devices in a humid environment, it is necessary to secure electrical connections by building a connection block in a special box that meets the appropriate IP class.

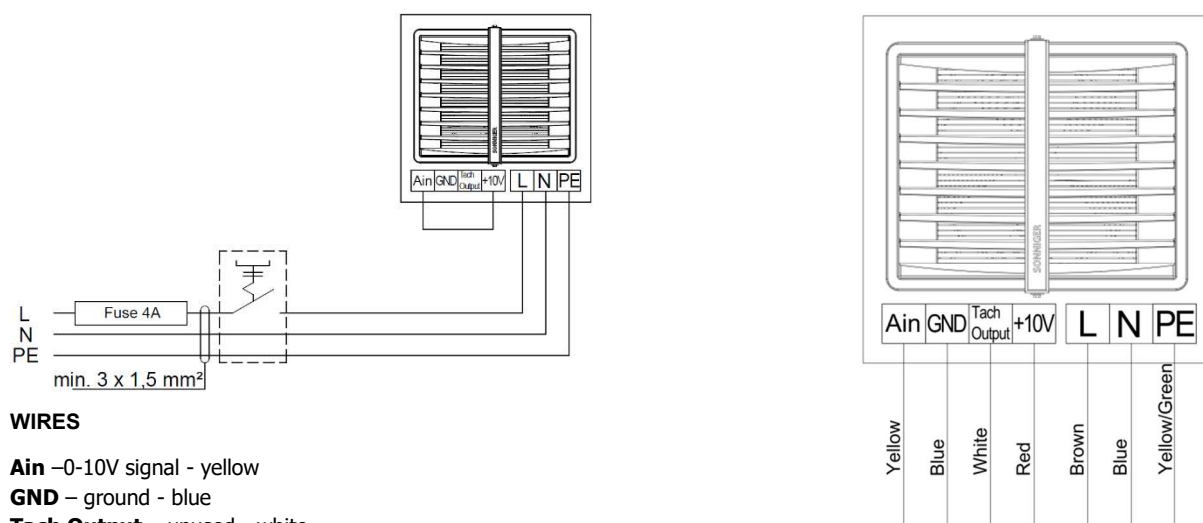
11. MAINTENANCE

The heat exchanger requires systematical cleaning of all specks of dirt/impurities. Before the start of the heating period, the heat exchanger is advised to be cleaned with compressed air directed to the air outlets; there is no need for dismantling the device. Pay special attention when cleaning the exchanger's fin due to the high possibility of damaging them. If fins are bent use a tool specifically designated to carry out such repairs. If the device has not been used for a longer time, unplug it before the next use. The heat exchanger is not equipped with any fire protection device. The heat exchanger may be damaged if the room temperature goes below 0 C.

Anti-freeze liquid must be added to the water circulation/system. Anti-freeze liquid must be appropriate for the material the exchanger is made of (copper) as well as other elements of the hydraulic system/circulation. The liquid must be diluted with water according to the solution recommended by the anti-freeze manufacturer.

12. ELECTRICAL CONNECTION DIAGRAMS

12.1.Connecting HEATER CONDENS with no automatic control



NOTICE !

- ❗ For work in humidity environment, the wire connection should be protected by IP case

12.2. Connecting HEATER CONDENS with panel INTELLIGENT WIFI EC

Panel Intelligent controls actuators/valves and automatically regulates fans' speed depending on the required room temperature.

Fan speed changes automatically at a lower rate when the temperature in a room gets closer to the desired one.

Additional functions – weekly thermostat, availability of BMS communication signals

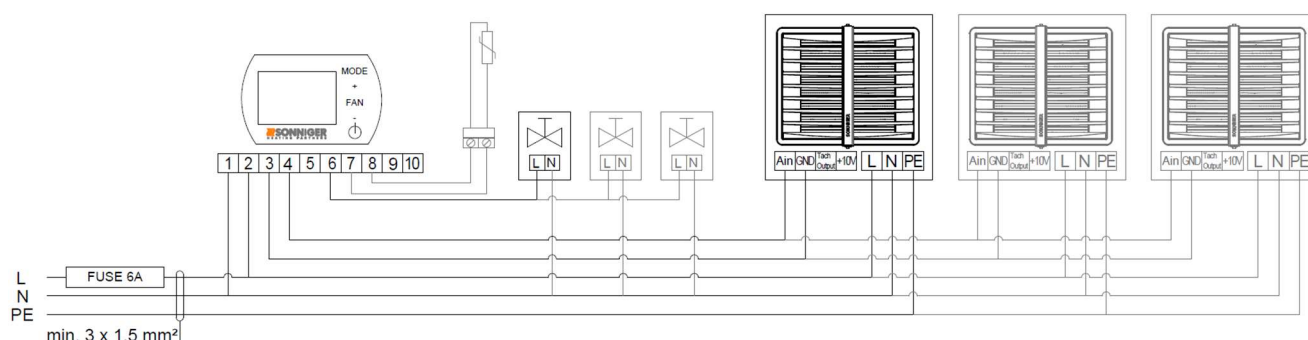
Possibility to connect outside temperature sensor NTC, supplied with cable length 5 m, max cable length 20 m.

One INTELLIGENT WIFI EC could control:

- up to 3 HEATER CONDENS EC heaters

Connection of 4-10 devices can be made using the MULTI 10 EC splitter.

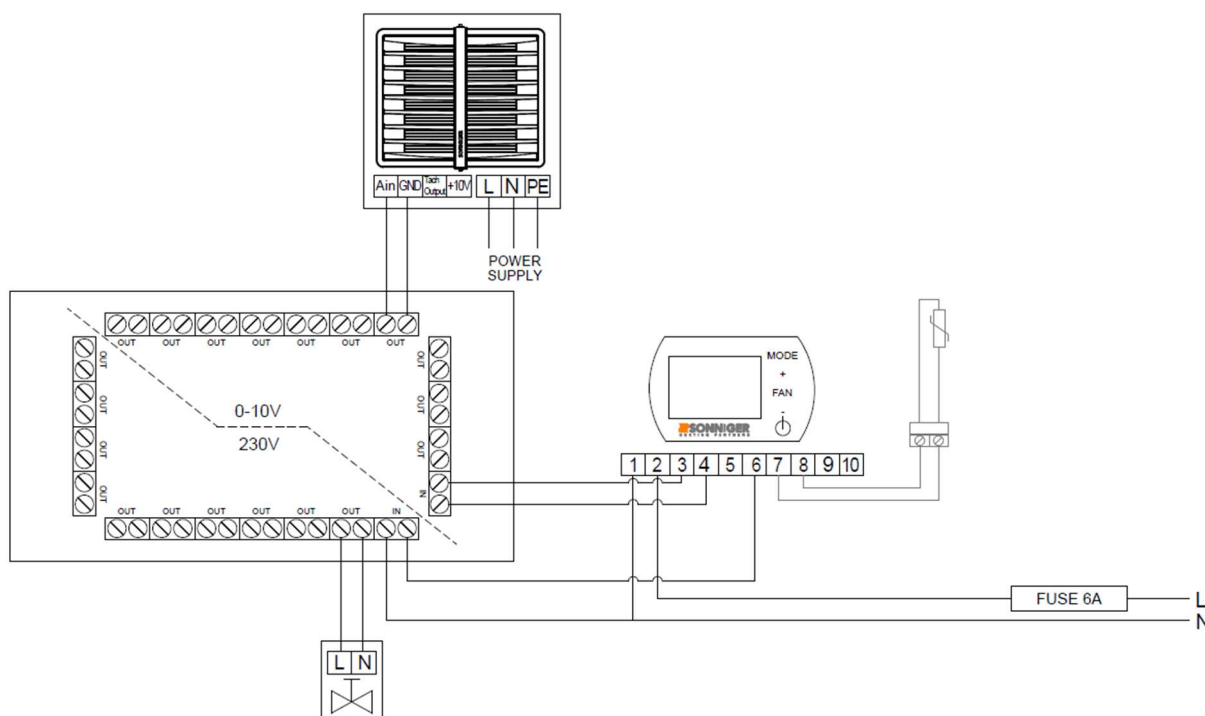
It is also possible if the installer prepares a similar distribution box with the possibility of control up to 10 devices.



12.3. Splitter MULTI 10 EC - control up to 10 HEATER CONDENS

The MULTI 10 EC signal splitter allows you to connect up to 10 HEATER CONDENS. The splitter allows to ensure a convenient and safe connection of the signal cables to control the speed of the fans. The power supply for the heater motors and the INTELLIGENT WIFI EC controller should be provided independently.

Connection of thermoelectric valves should be made directly to the control panel.



13. HEATING PARAMETERS

HEATER CONDENS CR ONE																
inlet/outlet water temperature		50/30					60/40					70/50				
inlet air temperature		0	5	10	15	20	0	5	10	15	20	0	5	10	15	20
air flow 1600 m3/h (speed 3)																
heat output	kW	7,8	6,4	5,1	3,6	1,9	10,6	9,2	7,9	6,6	5,3	13,3	11,9	10,6	9,3	8,0
outlet air tem	°C	13,4	16,3	19,1	21,6	23,5	18,3	21,2	24,2	27,0	29,8	23,0	26,0	29,0	31,9	34,8
water flow	m3/h	0,3	0,3	0,2	0,2	0,1	0,5	0,4	0,3	0,3	0,2	0,6	0,5	0,5	0,4	0,3
pressure drc	kPa	3,9	2,8	1,8	1,0	0,3	6,5	5,1	3,9	2,8	1,9	9,5	7,8	6,3	5,0	3,8
HEATER CONDENS CR1																
inlet/outlet water temperature		50/30					60/40					70/50				
inlet air temperature		0	5	10	15	20	0	5	10	15	20	0	5	10	15	20
air flow 3900 m3/h (speed 3)																
heat output	kW	8,6	7,0	5,3	3,4	1,6	12,0	10,4	8,9	7,3	5,7	15,4	13,8	12,2	10,6	9,0
outlet air tem	°C	6,1	10,0	13,9	17,5	21,2	8,5	12,5	16,5	20,4	24,3	10,9	14,9	18,9	22,9	26,9
water flow	m3/h	0,4	0,3	0,2	0,1	0,1	0,5	0,5	0,4	0,3	0,2	0,7	0,6	0,5	0,5	0,4
pressure drc	kPa	3,6	2,5	1,5	0,7	0,2	6,3	4,9	3,6	2,6	1,7	9,5	7,8	6,2	4,9	3,7
HEATER CONDENS CR2																
inlet/outlet water temperature		50/30					60/40					70/50				
inlet air temperature		0	5	10	15	20	0	5	10	15	20	0	5	10	15	20
air flow 3350 m3/h (speed 3)																
heat output	kW	15,1	12,4	9,6	6,6	3,0	20,9	18,1	15,5	12,8	10,1	26,4	23,7	21,0	18,3	15,6
outlet air tem	°C	12,5	15,4	18,2	20,2	22,7	17,2	20,3	23,2	26,1	28,9	21,8	24,9	27,9	30,9	33,8
water flow	m3/h	0,7	0,5	0,4	0,3	0,1	0,9	0,8	0,7	0,6	0,4	1,2	1,0	0,9	0,8	0,7
pressure drc	kPa	4,0	2,8	1,8	0,9	0,2	6,8	5,3	4,0	2,8	1,9	10,2	8,3	6,7	5,2	3,9
HEATER CONDENS CR3																
inlet/outlet water temperature		50/30					60/40					70/50				
inlet air temperature		0	5	10	15	20	0	5	10	15	20	0	5	10	15	20
air flow 2950 m3/h (speed 3)																
heat output	kW	21,7	17,8	13,9	9,7	4,8	29,7	25,8	22,0	18,2	14,4	37,5	33,6	29,7	25,9	22,1
outlet air tem	°C	20,3	22,0	23,5	24,3	24,8	27,9	29,6	31,4	33,0	34,5	35,2	37,0	38,8	40,5	42,2
water flow	m3/h	0,9	0,8	0,6	0,4	0,2	1,3	1,1	0,1	0,8	0,6	1,6	1,5	1,3	1,1	1,0
pressure drc	kPa	7,7	5,3	3,4	1,8	0,5	13,4	10,3	7,7	5,4	3,5	20,2	16,4	13,0	10,1	7,6
HEATER CONDENS CR2 MAX																
inlet/outlet water temperature		50/30					60/40					70/50				
inlet air temperature		0	5	10	15	20	0	5	10	15	20	0	5	10	15	20
air flow 5700 m3/h (speed 3)																
heat output	kW	19,6	16,2	12,8	9,1	4,2	26,7	23,3	20,0	16,7	13,3	33,6	30,2	26,8	23,5	20,2
outlet air tem	°C	9,5	13,0	16,4	19,7	22,2	13,0	16,5	20,1	23,5	26,9	16,3	19,9	23,5	27,0	30,5
water flow	m3/h	0,9	0,7	0,6	0,4	0,2	1,2	1,0	0,9	0,7	0,6	1,5	1,3	1,2	1,0	0,9
pressure drc	kPa	4,7	3,4	2,2	1,2	0,3	8,0	6,2	4,7	3,4	2,3	11,7	9,7	7,8	6,1	4,7
HEATER CONDENS CR3 MAX																
inlet/outlet water temperature		50/30					60/40					70/50				
inlet air temperature		0	5	10	15	20	0	5	10	15	20	0	5	10	15	20
air flow 5600 m3/h (speed 3)																
heat output	kW	31,1	26,2	21,3	16,3	11,0	41,0	36,1	31,3	26,4	21,6	50,8	45,8	40,9	36,1	31,3
outlet air tem	°C	15,4	18,2	20,9	23,5	25,8	20,3	23,2	26,0	28,8	31,5	25,1	28,0	30,9	33,8	36,6
water flow	m3/h	1,4	1,1	0,9	0,7	0,5	1,8	1,6	1,4	1,1	0,9	2,2	2,0	1,8	1,6	1,4
pressure drc	kPa	15,1	11,1	7,6	4,7	2,3	24,2	19,2	14,8	11,0	7,6	34,8	28,9	23,5	18,7	14,5
HEATER CONDENS CR4 MAX																
inlet/outlet water temperature		50/30					60/40					70/50				
inlet air temperature		0	5	10	15	20	0	5	10	15	20	0	5	10	15	20
air flow 5100 m3/h (speed 3)																
heat output	kW	42,3	35,7	29,1	22,4	15,5	55,7	49,0	42,4	35,9	29,4	68,8	61,9	55,3	48,7	42,3
outlet air tem	°C	23,0	24,7	26,3	27,8	29,0	30,2	32,0	33,8	35,5	37,1	37,2	39,2	41,0	42,8	44,5
water flow	m3/h	1,8	1,6	1,3	1,0	0,7	2,4	2,1	1,8	1,6	1,3	3,0	2,7	2,4	2,1	1,8
pressure drc	kPa	13,0	9,6	6,6	4,2	2,2	20,6	16,4	12,6	9,3	6,6	29,4	24,4	19,8	15,8	12,2

More information available at <https://www.sonniger.com/aplikacja-doboru/>

14. PANEL INTELLIGENT WIFI EC – programmable controller manual

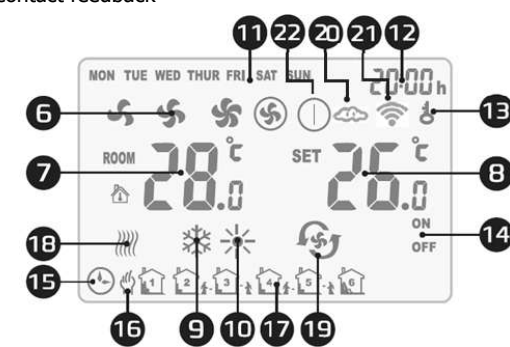
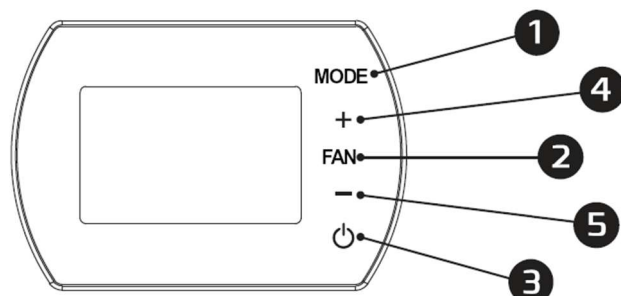
Panel Intelligent WIFI EC controls actuators/valves and automatically regulates the fan's speed depending on the required room temperature. The lower temperature in the room the higher the air output is set. Fan speed changes automatically at a lower rate when the temperature in a room gets closer to the desired one. Panel Intelligent WIFI EC allows to manage work of the device via the mobile app TUYA SMART.



Functions

Panel INTELLIGENT is designed for the SONNIGER products

- Weekly thermostat (5/1/1 days)
 - Automatic smooth change of speed or manual 3-step fan speed adjustment
 - Control room temperature (by opening/closing the valve, or by adjusting air volume automatically).
 - Antifreeze mode- protection against dropping room temperature below critical level 5 ~ 15 °C.
 - Possibility to connect external NTC temperature sensor.
 - BMS communication by MODBUS protocol
 - Wireless control via the TUYA SMART app
- Dry contact feedback



BUTTON DESCRIPTION

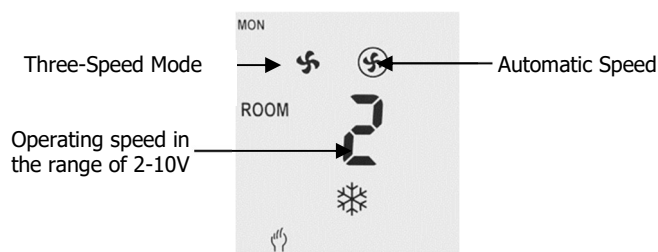
MODE - operation mode

2. FAN - fan operation speed
3. ON/OFF - switch
4. + - increase the set temperature
5. - - decrease the set temperature
6. fan speed
7. room temperature
8. set temperature
9. cooling operation mode
10. operation mode heating
11. day of the week

12. time
13. controller lock
14. on/off in schedule
15. operation according to schedule
16. manual operation
17. schedule operation interval
18. antifreeze mode
19. ventilation mode
20. synchronization of settings with the application
21. connection to the Internet
22. Consent/no consent to work

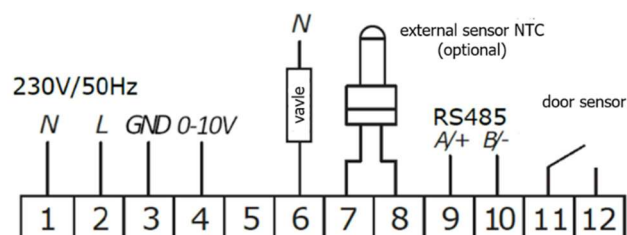
Fan Speed:

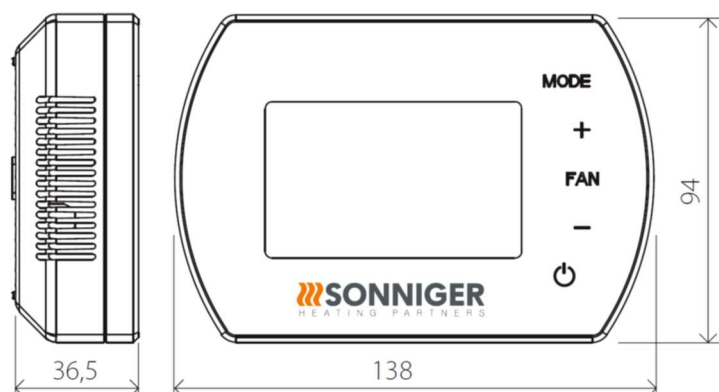
The Intelligent WIFI EC has the ability to regulate the motor from 2 to 10V. In this case, the current operating speed will be displayed after pressing the FAN function.



Technical parameters

1	Power supply	230VAC/50Hz
2	Temperature setting range	5°C 40°C
3	Temperature working range	-10°C 60°C
4	IP class	20
5	Temperature sensor	Internal / external NTC (optional)





Dimensions

Settings menu

When Panel Intelligent is switched off, press and hold MODE for 5 seconds

To change the option use the MODE button.

To change the value using the +/- buttons

Setting menu	Option	Value
1	Temperature calibration	-9°C ~ +9°C
2	EEPROM	0: no memory 1: memory
3	Fan status	C1: Thermostatic mode C2: Continuous mode
4	Temperature sensor	0: Internal Sensor 1: External Sensor NTC (optional)
5	Antifreeze	0: Off 1: On
6	Zakres nastawy Antifreeze	+5°C ~ +15°C
7	Fan operation in AUTO mode	0: smooth operation in the range 2-10 V 1: three-speed operation (4, 7, 9 V)
8	Lowest value in AUTO mode	0-10 V, default 2 V
9	Highest value in AUTO mode	0-10 V, default 10 V
10	P Band value (do not change)	2, 4, 6, 8, 10 V?
11	I Time (do not change)	1-60 sec
12	Consent to operation of magnetic switch	0: not available 1: available
13	Setting the consent to work contact	0: NO 1: NC
14	MODBUS	0: not available 1: available
15	BMS speed	0-2400 / 1-9600 / 2-19200
16	MODBUS ID	1~247 (01~F7)

Button lock / unlock

To LOCK buttons press and hold + and then – and hold both of them for 5 seconds.

To UNLOCK buttons press and hold + and then – and hold both of them for 5 seconds.

Press MODE

Change on manual mode  or automatic mode 

Hold MODE for 5 seconds

Change to cool mode , heating mode , ventilation 

Press FAN

Change of the fan speed low , medium , high , automatic 

Hold FAN for 5 seconds

Manual calendar programming Monday – Friday, Saturday, Sunday 6 settings per day

BMS Functions

- Setting/Reading work parameters
- Work/Stop conditions
- Weekly program
- Temperature
- Fan speed
- Heating, ventilation, cool mode
- Antifreeze mode

No.	Setting	Paremeters
1	Working Mode	RS485 Semi-duplex; PC or main controller is master; thermostat is slave
2	Interface	A(+),B(-), 2 wires
3	Baud Rate	0-2400 / 1-9600 / 2-19200
4	Byte	9 bits in total: 8 data bit + 1 stop bit
5	Modbus	RTU Mode
6	Transmission	RTU (Remote Terminal Unit) format (please refer to MODBUS instruction)
7	Thermostat address	1—247 ; (0 is broadcast address and stand for all thermostat without response)

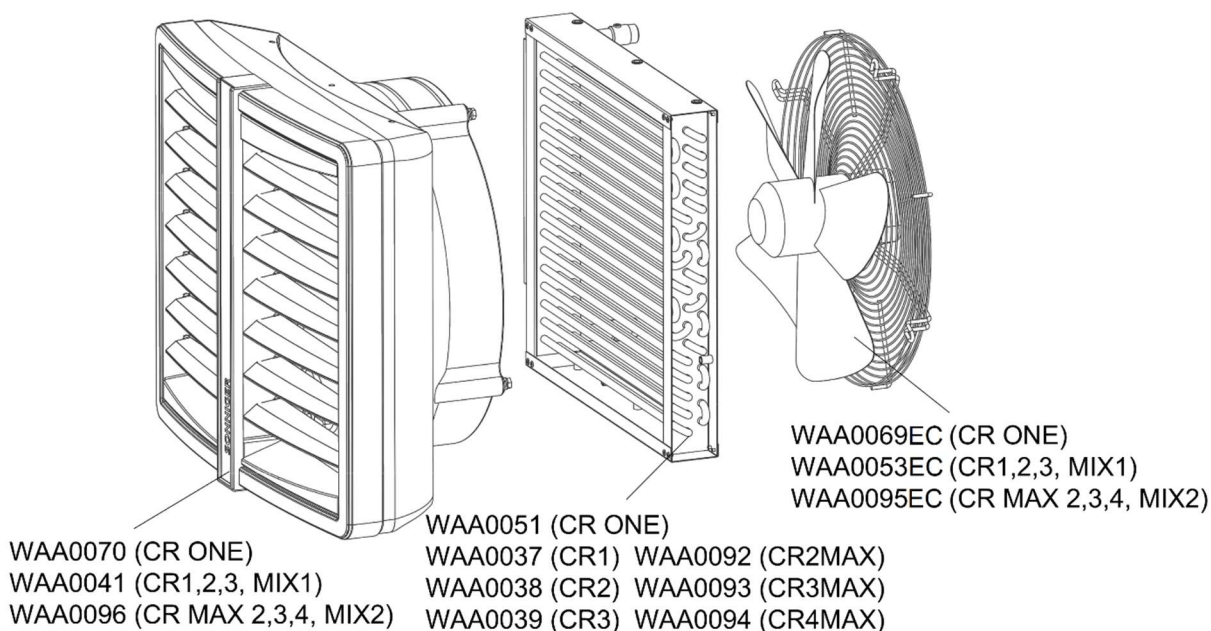
WIFI FUNCTIONS

- Setting/Reading work parameters
- Work/Stop conditions
- Weekly program
- Temperature
- Fan speed
- Heating, ventilation, cool mode

CONNECTION OF THE PANEL INTELLIGENT WIFI WITH THE TUYA APP

- Download the Tuya Smart app (available at App Store and Google Play)
- The PANEL INTELLIGENT WIFI connects to the power supply and device, PANEL INTELLIGENT WIFI should stay off.
- Turn on the Tuya app and follow the instruction in the app
- Enable the GPS and Bluetooth in the phone for the connection process
- To active paring mode in the PANEL INTELLIGENT WIFI panel double tap and hold the "+" symbol for 5 seconds until the SA symbol shows on the left side of the screen
- Choose the „Add device“ function, and the app should find the PANEL INTELLIGENT WIFI automatically, press the "Add" button, and after completing the configuration process, press "Next" and "Finished"
- In the absence of the "Add" function, select the "Small devices" tab and the "Thermostat (Wi-Fi)" function. Then enter the data to connect to the selected WiFi network and confirm, and then "Blink slowly".
- A screen will be displayed with information about searching for a device. After detecting the driver, the connection process is automatic. after completing the configuration process, press "Next" and "Finished"

SPARE PARTS



COMPLIANCE WITH WEEE 2012/19 / EU

In accordance with applicable legal regulations, at the time of purchasing new electrical or electronic equipment with the following mark:



REMEMBER IT IS FORBIDDEN TO PLACE THE WORN EQUIPMENT WITH OTHER WASTE

For information on the waste collection system of electrical and electronic equipment, please contact your distributor

GUARANTEE TERMS AND CONDITIONS

§1 Guarantee Scope

- 1.The Guarantee entitles the Buyer to have the device or its part replaced with the faultless one only if within the Guarantee period the Manufacturer claims that a disclosed defective product or part cannot be repaired.
- 2.The proof of purchase and a correctly completed complaint form must be delivered to demand repairs with no additional costs.
- 3.This Guarantee covers material defects of the device which make its functioning impossible. This Warranty does not extend to the installation and maintenance works.
- 4.The Guarantee for the product sold by the Seller covers 24 months. The guarantee period commences upon delivery of the device to the Buyer specified in the sales invoice. The warranty covers any parts/components specified in the scope of the delivery.
- 5.Products delivered by third persons are guaranteed by this supplier.
- 6.Devices may be started and serviced only by qualified persons trained in the areas of maintenance and operation of the device. Any operations related to start, maintain, and repairs must be noted that such operations have occurred in the Guarantee Card.
- 7.The precondition for issuing the Guarantee by the manufacturer is the assembly and activation of the device following the Operation and Maintenance Documentation not later than 6 months after the date of purchase.
- 8.The product is guaranteed for a full period of warranty only if service works implied in the Operation and Maintenance Documentation for the device specified in the 'Maintenance' section are carried out. All services related to the maintenance of the device are carried out at the User's cost and expense.
- 9.The provision of warranty services does not cease or suspend the duration of the Warranty. The warranty for replaced or repaired parts/elements shall end with the expiry of the Guarantee for the device.

§2 Warranty Exclusions/Disclaimers

1. The Warranty does not extend to the mechanical damages and damages to electrical parts caused by improper use, transport, abnormal voltage, or other damages arising from a product defect. For the above reasons, the Warranty is solely limited to the replacement of parts/components having construction defects that shall be delivered without any additional costs only if the defective part/component has been returned.
2. The Warranty for devices does not apply when technical mistakes occurred during the procedures concerning installation, regulation, and control including any of the following:
 - a) Defects caused by connecting a device to an inappropriately designed ventilation system that allows additional heat loads that do not meet any standards and decrease the efficiency of the heat exchanger.
 - b) Defects caused by connecting to the components or parts that are part of the heating system but have not been delivered by the Seller and whose inappropriate functioning has a negative impact on the device's functioning.
 - c) Defects caused by connecting to the components that are not original spare parts
 - d) Defects incurred by reselling the product by the first buyer/user to another buyer who dismantles/installs the device that was previously installed and operated in a specific building and its conditions.
 - e) Defects caused by improper expertise and insufficient knowledge of the installer and technical staff who, in an improper way carry out after-sale service of the device
 - f) Defects caused by special conditions of use that differ from typical/standard applications unless the parties (the Seller and customer's technical staff) have previously agreed otherwise in writing.
 - g) Defects incurred by natural disasters such as fire, explosions, and other incidents that may result in damages to mechanical, electrical, and protection devices
 - h) Defects are caused by inappropriate cleaning of the technical facility or place where the device has been installed; cleaning must take place periodically to suit the specific working conditions and the amount of dust.
 - i) Defects arising from the absence or improper cleaning of heat exchangers; cleaning must be done periodically to suit the specific working conditions and the amount of dust.
 - j) Defects incurred by the inappropriate installation are inadequate for the low outside temperature of working conditions.
 - k) Defects incurred by the low temperature if no protection device is installed by the installing contractor to avoid:
 - low temperatures on electrical and mechanical parts such as valves, electric and electronic controlling devices,
 - water condensation and frost/ice near the device,
 - thermal shock of the heater and heat exchanger caused by sudden changes of the outside temperature.

§3 SONNIGER is not liable to:

1. Current maintenance works, and inspections follow from Operation and Maintenance Documentation and device programming.
2. Defects caused by banking of a device while waiting for the warranty service.
3. Any and all defects caused to the company's property.

§4. Complaint Procedure

Operation and maintenance documentation HEATER CONDENS EC v202501

1. In the event of a complaint under the Warranty conditions, the user may make the lodge a complaint directly to the Distributor.
2. All repairs covered by the warranty shall be done as part of the activity of an installation company and Factory Service. All repairs ensuing from the guarantee shall be done in a place where the device is installed.
3. The user with respect to the service activities is obliged to:
 - Allow full access to the rooms where the devices were installed and provide the necessary facilities allowing direct access to the device (lift, scaffolding, etc.) in order to do all the servicing covered by the guarantee.
 - Present the original of the Guarantee Card and VAT invoice recording the purchase,
 - Ensure safety while doing the servicing,
 - Allow starting works immediately after the arrival of the Service.
4. In order to make a complaint under the warranty it is necessary to deliver to the Distributor's address the following documents:
 - a correctly filled-in complaint form that is available at the website of www.SONNIGER.com
 - a copy of the Guarantee Card
 - a copy of the proof-of-purchase - the sales invoice
5. Repair service including the replacement of the parts shall be done free of charge only if the representative of the installing contractor or the Service claims that the defect or faulty device is caused by the fault of the producer.
6. Any and all costs (cost of repair, travel, and exchanged components) incurred due to the unjustified complaint especially in the situation when the representative of the Installing Contractor of the Factory Repair Service claims that defect/damage was caused as a result of breaching the guidelines provided in the Operation and Maintenance Documentation or notices the exclusions under **§2 (Warranty exclusions) will be** requested from the Buyer/Customer who reported the failure.
7. The Claimant is obliged to give a written confirmation of the service provided.
8. SONNIGER is entitled to refuse the warranty service if SONNIGER has not received full payment for the product complained about under the Guarantee or any previous servicing activities.

Date	Maintenance and repair description	Stamp and signature of installation company

Reclamation statement

Company data

Company name	
Address	
Mail/phone number	
Contact person	

Technical issue information

Date		Type of the unit	
Serial number		Invoice date	
Installation date		Investment	
Problem description:			
Note: please add files that show the technical problem to the email with the reclamation form:	HEATER - video of working unit, confirming the technical problem - picture of the wire cube connections (demonstrating the problem) - picture of the exchanger (demonstrating the problem) - picture of the motor (demonstrating the problem)	GUARD -video of working unit, confirming the technical problem -picture if the wires cube connections (demonstrating the problem) -picture of the connection between fan and motor (demonstrating the problem) -picture of the heating element (demonstrating the problem)	GUARD -video of working unit, confirming the technical problem -picture if the wires cube connections (demonstrating the problem) -picture of the heating element (demonstrating the problem)

To be completed by the SONNIGER employee

Nr zgłoszenia		Nr WZ	
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STATEMENT

I hereby declare that I have read the content of the technical manual of the device and all the above points of the service request.

Date

Legible signature of the applicant together with the company stamp

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