MICROWELL

User´s and installation manual

DUCTED SWIMMING POOL DEHUMIDIFIER

Model: DRY 300 DUCT
DRY 400 DUCT
DRY 500 DUCT
DRY 800 DUCT
DRY 1200 DUCT

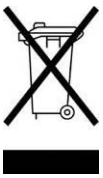
R-410A RoHS CE IP44

Version 01/2026

Thank you for purchasing Microwell swimming pool dehumidifier. You have exceptional piece of device and you chose the best and the most energy efficient dehumidifier for your pool. Before you use this device, it is necessary to carefully read the entire User's manual. Please keep the User's manual available in the case of any future reference is required. Please provide this information also to each user of the device. Please mind local regulations in your country regarding installation and usage of this dehumidifier which are valid in addition to this User's manual.

CONTENT

1. WASTE DISPOSAL INFORMATION



When using this dehumidifier in the European countries, the following information must be followed:
DISPOSAL: Do not dispose this product as unsorted municipal waste. It is prohibited to dispose this dehumidifier in domestic / household waste. It is prohibited to dispose this appliance into forests or natural landscape. This could lead into local soil pollution. Collection of such waste must be treated individually.

DISPOSAL POSSIBILITIES:

1. The municipality has established a collection system where electronic waste can be disposed.
2. When buying a new product, the retailer or the manufacturer may take back the old appliance free of charge.
3. As old appliance may contain valuable resources which could be sold to scrap material dealers.
4. Disposal of packaging materials such as carton box or plastic / bubble foil can be recycled.

Please use your local waste separation services.

2. SAFETY MEASURES

This device is primarily designed for use in indoor swimming pool, sauna or spa. Alternative use is in laundries, drying rooms or other humid areas requiring dehumidification.

Model Microwell DRY **300 DUCT** is designed for halls with swimming pool surface of up to 30m^2.
Model Microwell DRY **400 DUCT** is designed for halls with swimming pool surface of up to 40m^2.
Model Microwell **DRY 500 DUCT** is designed for halls with swimming pool surface of up to 50m^2. Model Microwell DRY **800 DUCT** is designed for halls with swimming pool surface of up to 80m^2.
Model Microwell DRY **1200 DUCT** is designed for halls with swimming pool surface of up to 110m^2.

For proper and optimal operations of the device is it necessary to maintain the air temperature in the swimming pool room / hall 2-3°C higher than actual water temperature in the pool. It is also necessary to keep the air temperature in the swimming pool room / hall in operational temperature range of the dehumidifier (specified in Technical data section) based on particular choice of Operational Temperature Accessories chosen for your particular device. Lower air temperature than operational temperature range may cause damage to the unit resulting from freezing. Higher temperatures than operational temperature range may cause damage to the unit resulting from overheating of the unit.

It is necessary to follow instructions in this User's manual and local regulations in your country that regulate the installation and usage of this device. Incorrect, improper or operations contradictory to this User's manual may lead to an injury or property damage and will lead to loss of warranty. To prevent injury or property damage the following instructions must be followed:

2.1 ELECTRICAL SAFETY

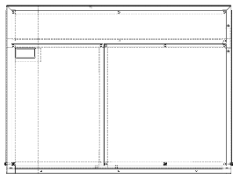
- *The device operates at dangerous electrical current.*
- *Only authorized person with particular electro-technical qualification can manipulate with unit.*
- *Danger of electrical shock.*
- *Do not exceed the required power supply.*
- *Do not turn the device on that shows signs of possible damage such as broken packaging, broken or otherwise damaged unit's chassis or cover, smoke, smell, etc.*
- *It is necessary to use appropriate Residual current circuit breaker (RCD) for connection of the dehumidifier to main power supply.*
- *Do not manipulate with the device with wet hands.*
- *Do not clean the device with water.*
- *Before cleaning the device, switch off the circuit breaker of the unit's power supply.*
- *Installation, service or repair must be performed by qualified technician.*
- *When the device is not intended to be used for a longer time, we recommend switching the circuit breaker of the unit's power supply off.*
- *Unit must be installed in vertical position to avoid condensate water to enter electrical part of the unit.*
- *It is forbidden to install the unit close to devices that may cause electrical or frequency disturbance such as welding machines, motors or rotors, WIFI/WLAN routers or repeaters.*
- *It is forbidden to alter electrical installation of the device. It is also forbidden to alter any other part or functionality of the device.*

2.2 USAGE PRECAUTIONS

- *Air outlet (exhaust) and air inlet (intake) are designed for connection to air ducting system.*
- *Do not cover or block the intake or exhaust openings. It is forbidden to block or cover the intake or exhaust openings with clothes, towels, buckets, canoes, ceiling beams, etc.*
- ***Do not install or place any heating appliances close to intake grilles / louvers. It could continually overheat the dehumidifier and result in its malfunction or damage.***
- *Do not climb up on or sit on the unit.*
- *Do not place any objects on the top of the unit (e.g. boxes, flower vases, etc.).*
- *Do not spray any flammable substances into the equipment; this might lead to fire.*
- *Do not clean the equipment with aggressive cleaning agents, this might lead to damage or deformations.*

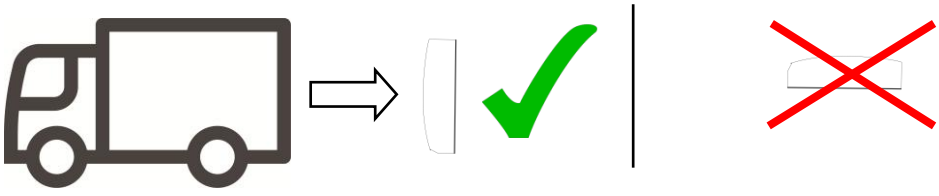
- *When cleaning plastic parts do not use any cleaning agents unsuitable for the cover of the dehumidifier (household cleaning agents, solvents, bleaching agents, benzene, diluents, rough cleaning powder, cresol, chemical agents). Instead, sweep the dehumidifier cover with a soft cloth or a sponge.*
- *Never throw or insert any objects into any hose or opening.*
- *The cover is made from powder coated metal. Do not manipulate with lighted cigarette, cigarette ashes, or any other kind of fire in vicinity to this part.*
- *Use this device exclusively for the intended purpose, as described in the attached instruction manual. Do not use parts which are not recommended.*
- *Do not drink or use the condensate water drained from the unit. Do not return the water back to the swimming pool. The water may be contaminated with bacteria.*
- *Children are not allowed to operate, touch or play with the unit.*
- ***Children are not allowed to manipulate with packaging, plastic / bubble foil. Risk of suffocation!***
- ***Prevent the children from injury or harm caused by any manipulation with the unit, its parts or its packaging. Small parts like screws may be swallowed and cause suffocation or harm to health.***
- *Do not leave the children in the swimming pool hall unattended.*

2.3 HANDLING PRECAUTIONS

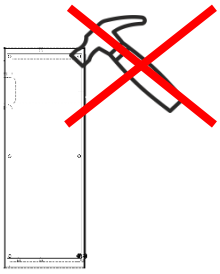


Keep in vertical position for 2 hours

Leave the unit in a vertical upright position for at least 2 hours before mounting. It is necessary to stabilize the refrigerant charge and especially to return the oil to the compressor tray. Oil could get out of the tray during transport and handling, and this could adversely affect the function of the dehumidifier.

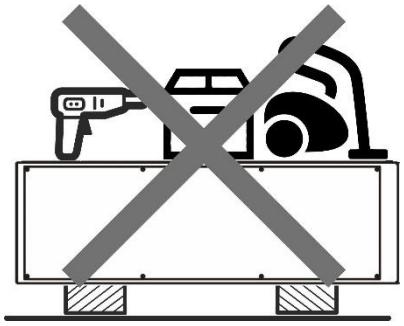


- *Transport in a horizontal position or overturning the unit may damage the compressor, which may result in malfunction or damage to the unit and will void the warranty.*
- *The device must be handled carefully and with special care to avoid mechanical damage.*

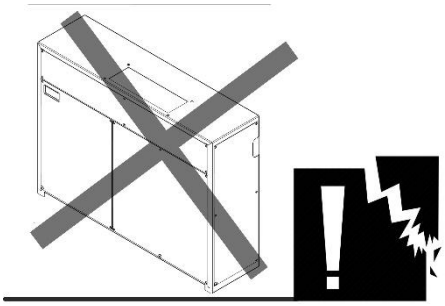


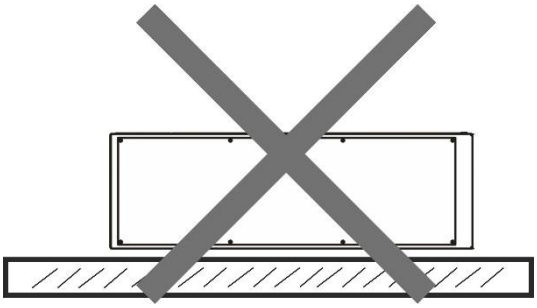
Beware of scratches. Handle the device carefully. Avoid contact with surfaces that may scratch the device.

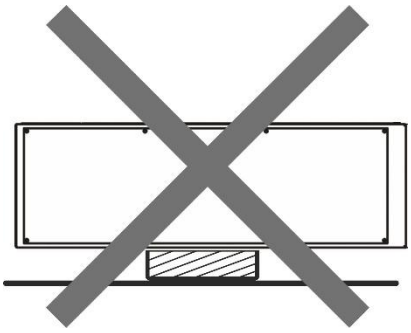
- *It is forbidden to exert any unsuitable mechanical force on the unit, which may cause mechanical damage to the device*

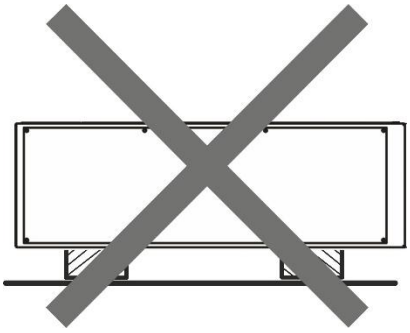


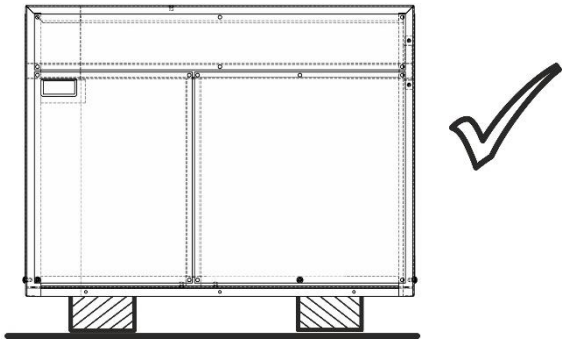
- *It is forbidden to freely drop the device on the ground or any hard or rough surface that can lead to a hard impact of the device and scratch the cover. As the owner of the area make sure that your installer does not damage the cover or a part of the device during handling and installation.*









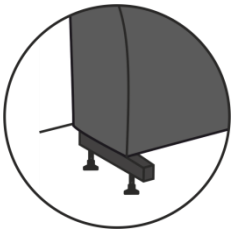
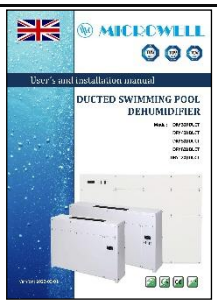


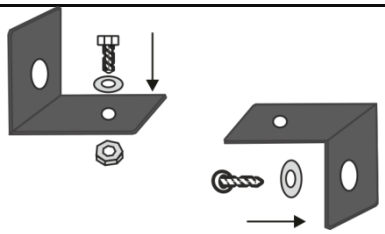
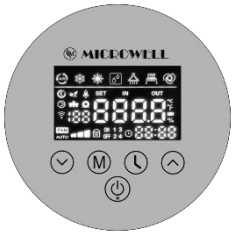
- *Please notify your reseller or distributor if the delivered unit had been damaged. The unit may appear to work fine at first, but minor damage may cause the unit to stop working properly in a short time. In this case the unit must be inspected and its further use must be approved by the seller.*
- *Please notify your reseller or distributor if you notice immediately after installation that the unit is not working properly.*
- *In case of device failure resulting from improper handling or mechanical damage (impact, hit, fall, etc.), the manufacturer reserves the right to evaluate the continuity of warranty.*

3. PRODUCT DESCRIPTION

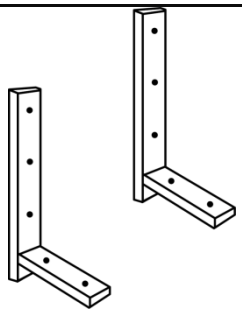
The unit was delivered in carton box on a wooden palette. Please unpack the unit and check the content. It should include the following:

Package:

Name/ code	Image	Name/ code	Image
1 – Dehumidifier **1x**	 DRY300/400 DUCT  DRY500 DUCT  DRY800/1200 DUCT	**2 – Metal feet / adjustable screw with plastic heel /** **4x** Compatibility: DRY800/1200 DUCT	 
3 – Condensate drain hose (illustration photo) **1x**		**4 - Installation and user manual** **1x**	

5 – Adjusting "L" piece **2x** **+ screw M6 – 2x** **+ nut MC – 1x** **+ washer D7 – 2x** Compatibility: DRY800/1200 DUCT		**6- Built- in digital touch controller**	

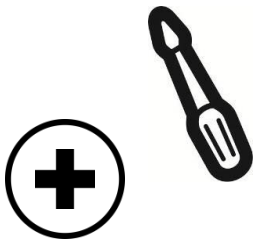
Additional accessories (to order):

Name/code	Image	Name/ code	Image
1 - External wireless humidistat and thermostat DRY EASY 300 **1x** **Part of packaging (white box) located on the fan plate on the left** **In this case the "Built-in digital humidistat and thermostat" is not installed.** **Easy300 / Eberle** **Solenoid valve**	 	**2 - External wired humidistat EBERLE** /Picture may differ/ **Separate small box glued to the device (cardboard box) see picture 1** **In this case the "Built-in digital humidistat and thermostat" is not installed.**	
3A – Wall console **1x** Compatibility: DRY300/400/500 DUCT		**3B – Wall console** **2x** Compatibility: DRY800/1200 DUCT	
4 – Fixing screws for a cross screwdriver D6 and dowels D10 (illustration photo) **4x**		**5 - Solenoid valve - valve and coil** **1x** **Part of packaging (white box) located under the main cover on the fan plate on the left, see. picture point. 1**	

6 – Air filter Installed inside the device		**7 – Defrost thermostat**	

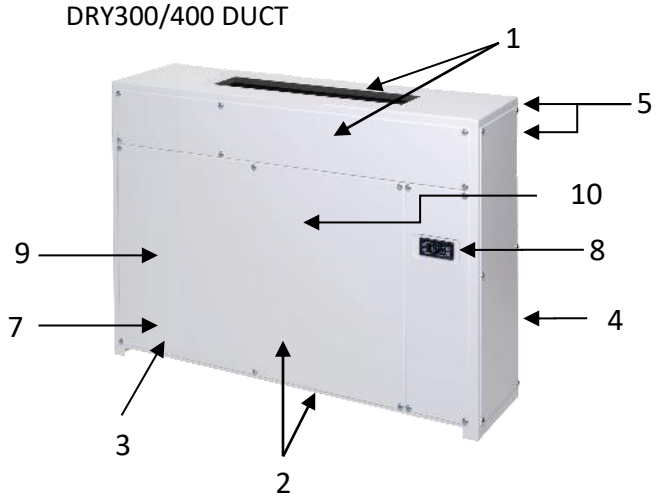
Please note that pictures may differ.

List of necessary tools (is not part of packaging):

Názov/ kód	Obrázok	Názov/ kód	Obrázok
1 - Drill **1x**		**3 – Drill bit 10mm** **1x**	
2 - Phillips screwdriver **1x**		**Vacuum cleaner and ladder**	
5 – Small hammer **1x**		**6 - Meter** **1x**	
7- Spirit level **1x**			

1.1. Description of basic parts

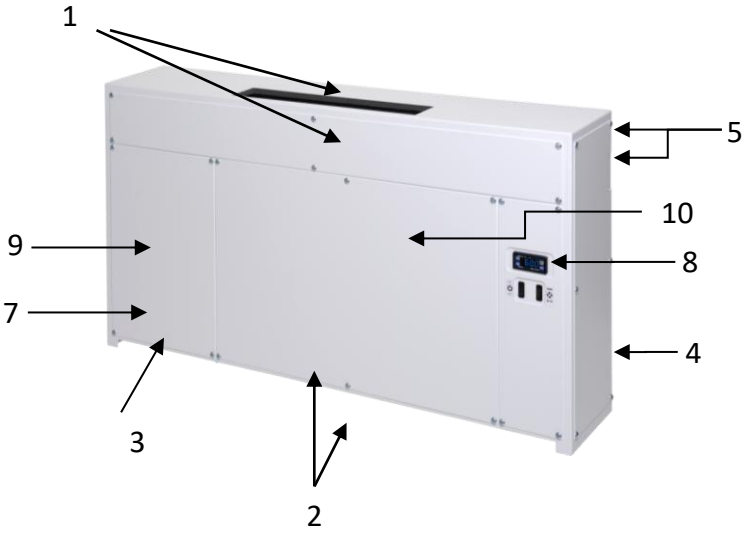
DRY300/400 DUCT

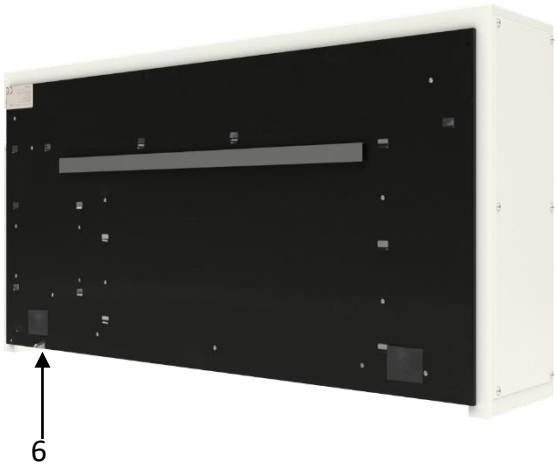


Legend:

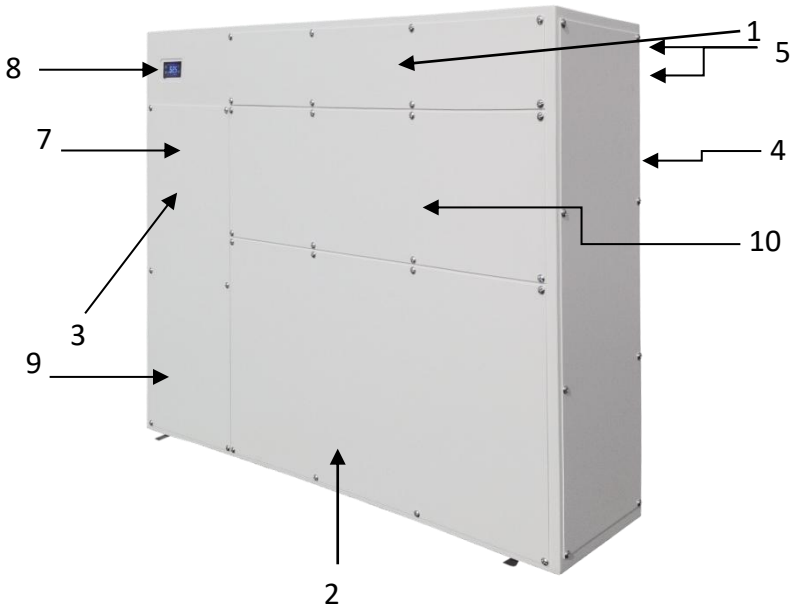
1 – Air exhaust / AIR OUT/ = supply for pool hall
2 – Air suction /AIR IN/ = exhaust from pool hall
3 – Mechanical humidistat (on the bottom)
4 – Metal cover
5 – LPHW connection B-BACK or R-RIGHT
6 – Condensate drain Ø 16 mm (from the back)
7 – Main power supply connection box 230V (under the main cover)
8 – Built in digital controller
9 – Compressor (under the cover)
10 – Fan(s) / Ventilator (s)

DRY500 DUCT





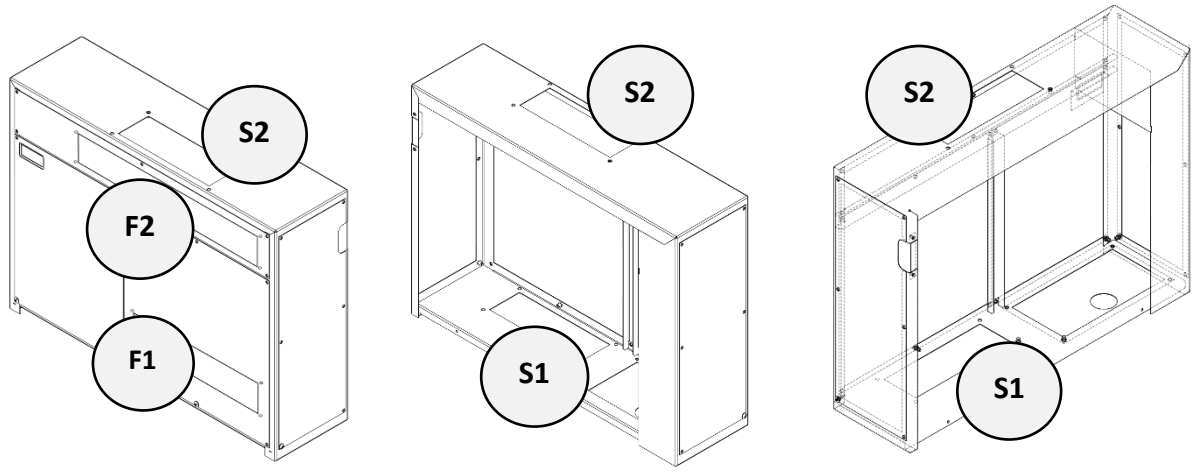
DRY800/1200 DUCT



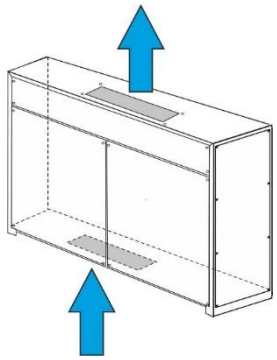
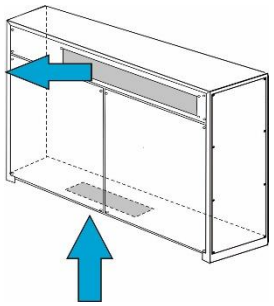
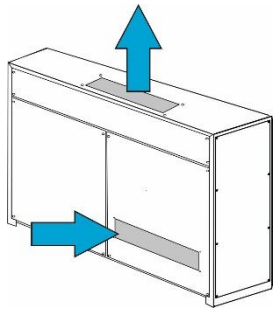
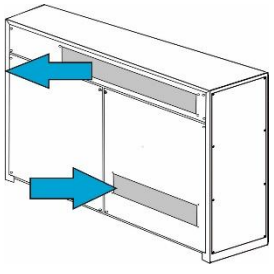
Please note that your dehumidifier may differ from here pictured units.

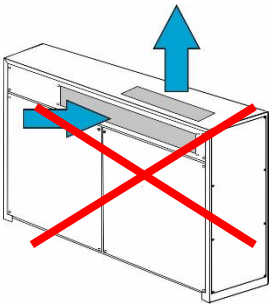
1.2.Air connection options

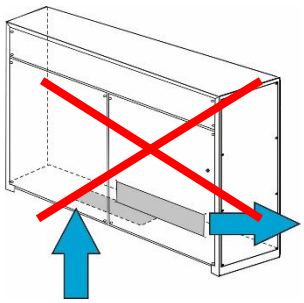
1.2.1. DRY300/400 DUCT



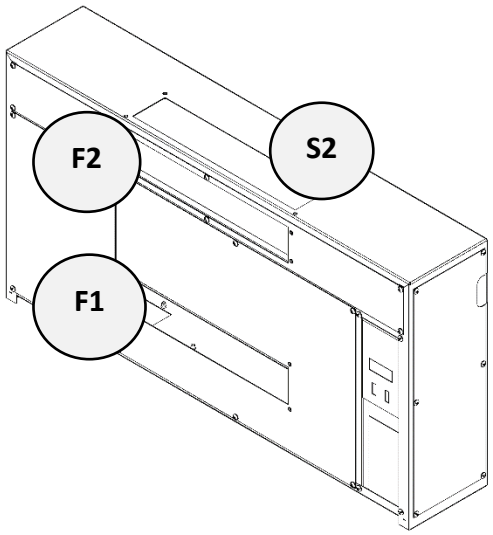
Connection marking	Connection type	Hatch dimensions	Flange connection for air ducting	Thread
S1	Air inlet from bottom	300x100mm	320x120mm	M6
S2	Air outlet from the top	300x100mm	320x120mm	M6
F1	Air inlet from the front	300x100mm	325x125mm	M6
F2	Air outlet from the front	388x87mm	413x112mm	M6

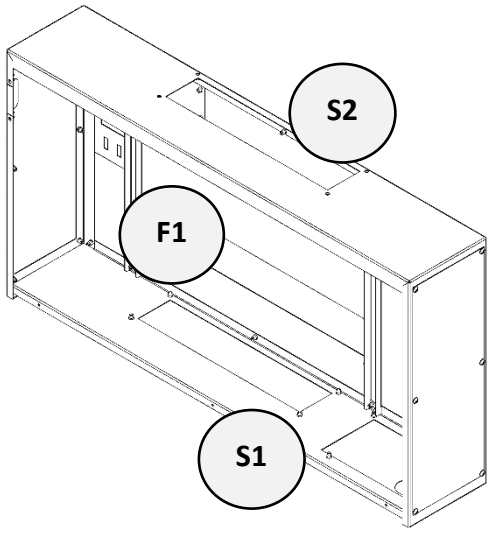
DRY300DUCT, DRY400DUCT		
AIR OUTLET TO THE TOP S2	**AIR OUTLET TO THE FRONT F2**	
		**AIR INLET FROM THE BOTTOM S1**
		**AIR INLET FROM THE FRONT F1**





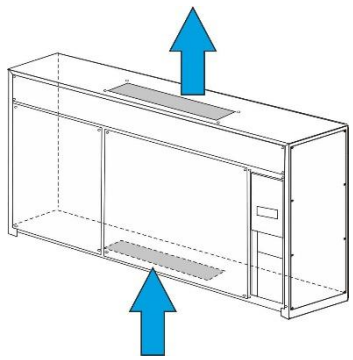
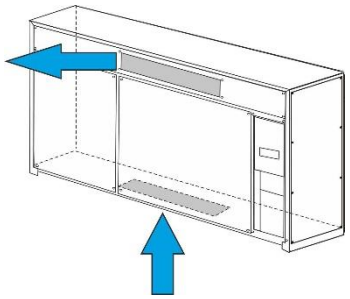
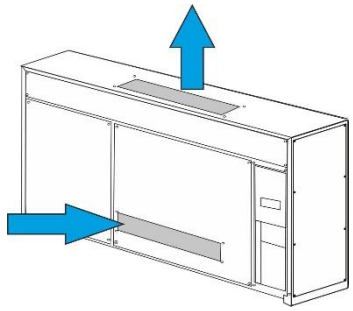
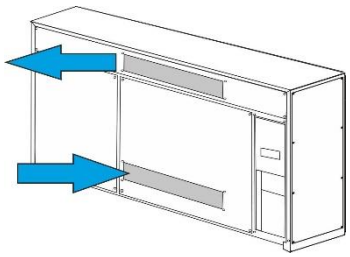
1.2.2. DRY500 DUCT

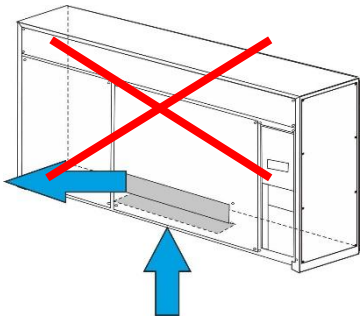


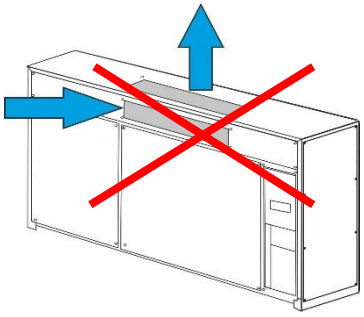


Connection marking	Connection type	Hatch dimensions	Flange connection for air ducting	Thread
S1	Air inlet from bottom	500x100mm	520x120mm	M6
S2	Air outlet from the top	500x100mm	520x120mm	M6
F1	Air inlet from the front	500x100mm	510x120mm	M6
F2	Flange connection for air ducting	500x96mm	520x76mm	M6

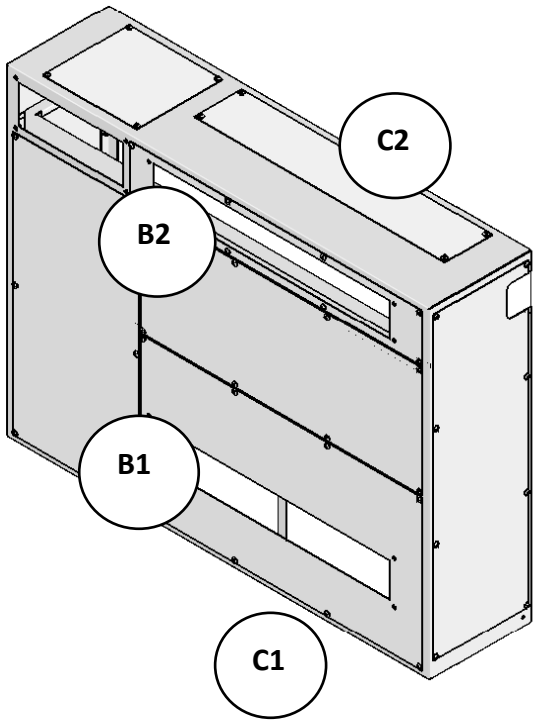
DRY500 DUCT

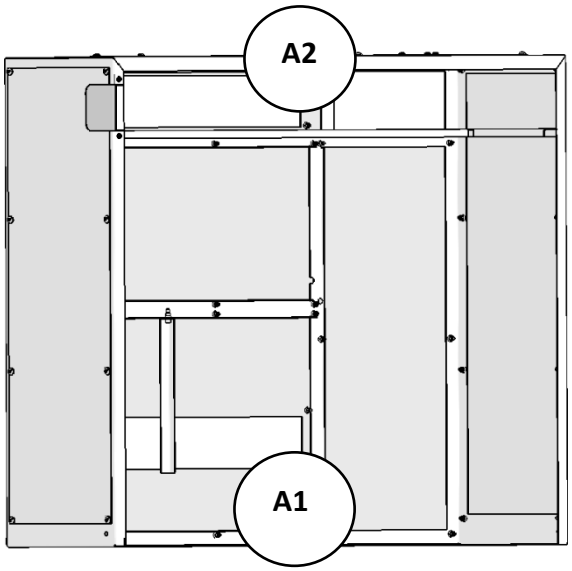
AIR OUTLET TO THE TOP S2	**AIR OUTLET TO THE FRONT F2**	
		**AIR INLET FROM THE BOTTOM** **S1**
		**AIR INLET FROM THE FRONT** **F1**



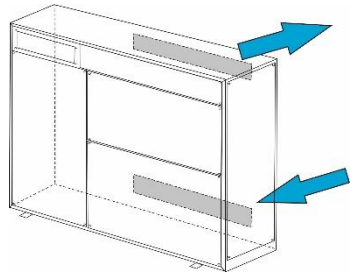
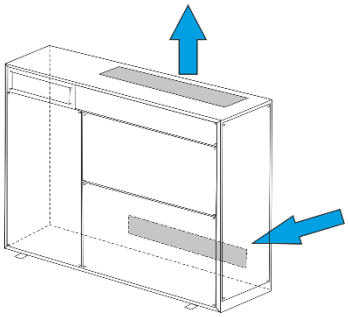
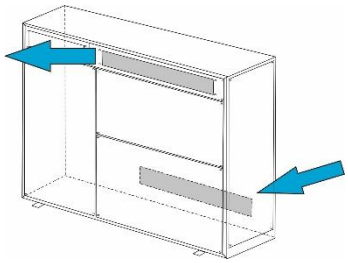
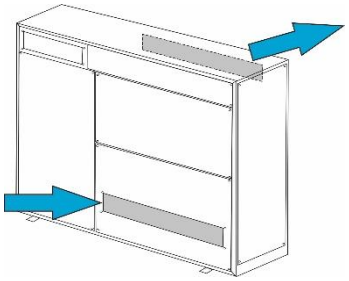
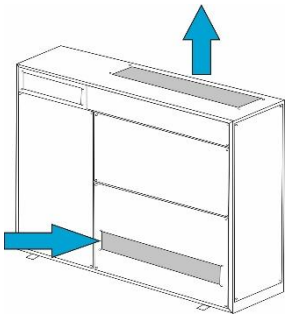
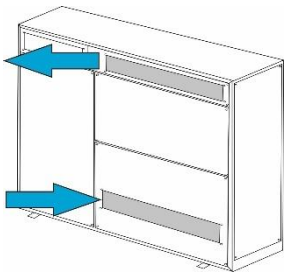
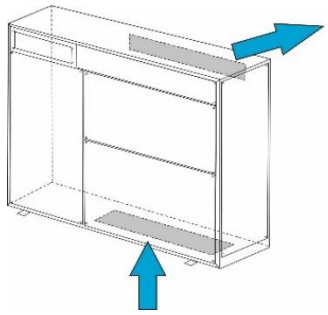
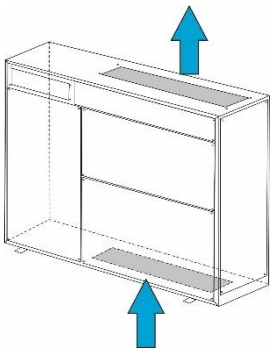
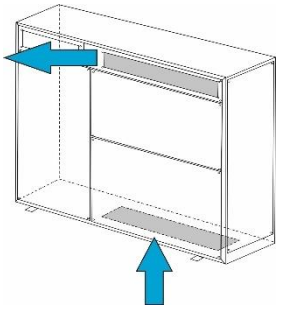


1.2.3. DRY800/1200 DUCT

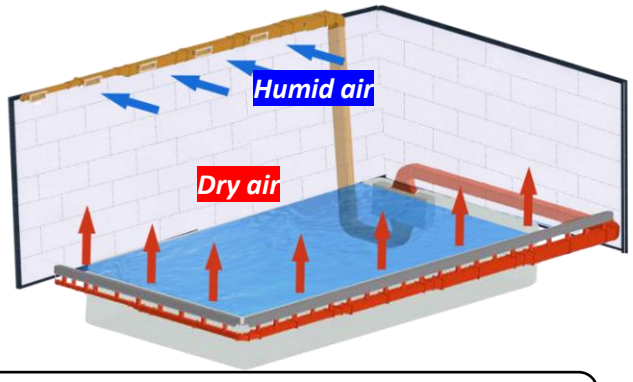




Connection marking	Connection type	Opening dimensions	Flange connection for air ducting	Thread
A1	Air inlet from the back	700x100mm	720x120mm	M6
A2	Air outlet from the back	700x100mm	720x120mm	M6
B1	Air inlet from the front	700x100mm	725x125mm	M6
B2	Air outlet from the front	700x100mm	725x95mm	M6
C1	Air inlet from the bottom	700x100mm	720x120mm	M6
C2	Air outlet from the top	700x100mm	720x120mm	M6

DRY800 DUCT, DRY1200 DUCT			
AIR OUTLET TO THE BACK A2	**AIR OUTLET TO THE TOP C2**	**AIR OUTLET TO THE FRONT B2**	
			**AIR INLET FROM THE BACK A1**
			**AIR INLET FROM THE FRONT B1**
			**AIR INLET FROM THE BOTTOM C1**

Humid air is brought into the dehumidifier. It leaves the dehumidifier dried and warmer by 5-20° than inlet air depending on air temperature, humidity and LPHW performance.



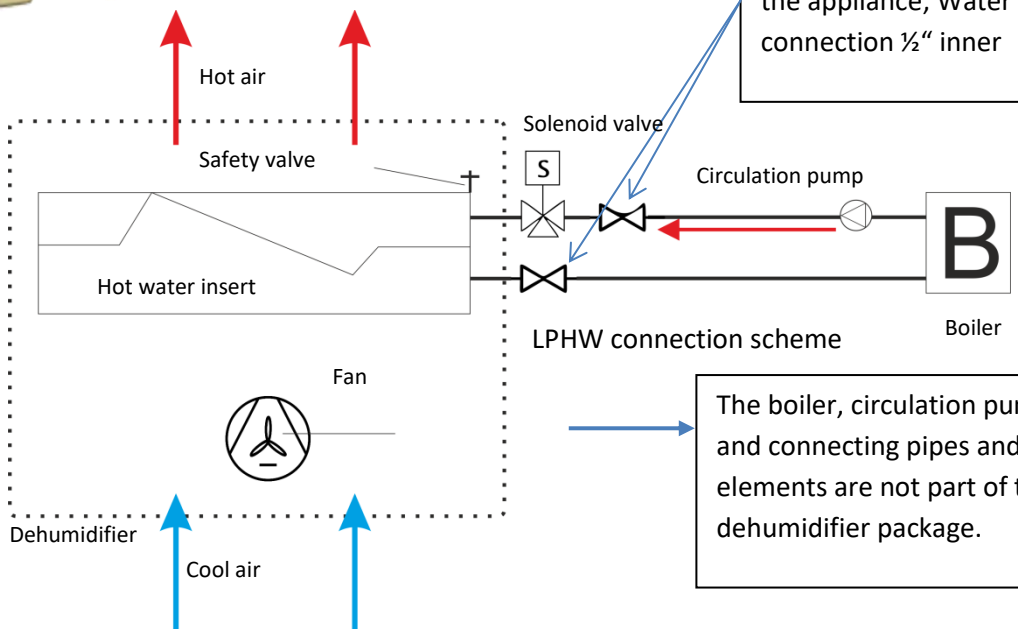
RECOMMENDATION: ***Cover your pool when not used. It will reduce the amount of vapor in the air and energy costs needed to operate your dehumidifier.***

1.3. LPHW hot water insert for additional heating – on demand

The LPHW heating element is only available on request. The connection of the LPHW hot water insert is made similarly to the connection of the radiator. A control valve is connected at the inlet and a shut-off valve with a screw connection at the return. These are supplied by the heating supplier.

Image: Solenoid valve with coil - used in LPHW with regulation; Water circuit connection ½“ inner

Recommendation: Install valves in front of the dehumidifier to disconnect the hot water insert from the appliance; Water circuit connection ½“ inner



LPHW connection scheme

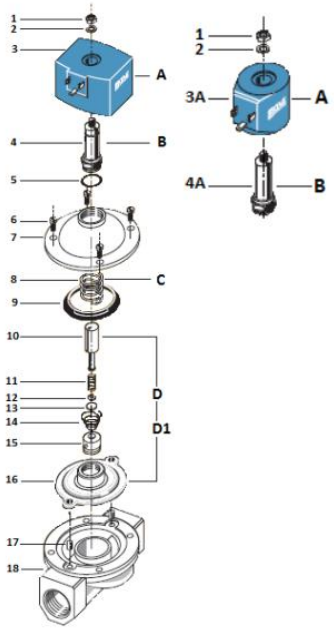
The boiler, circulation pump, valves and connecting pipes and other elements are not part of the dehumidifier package.

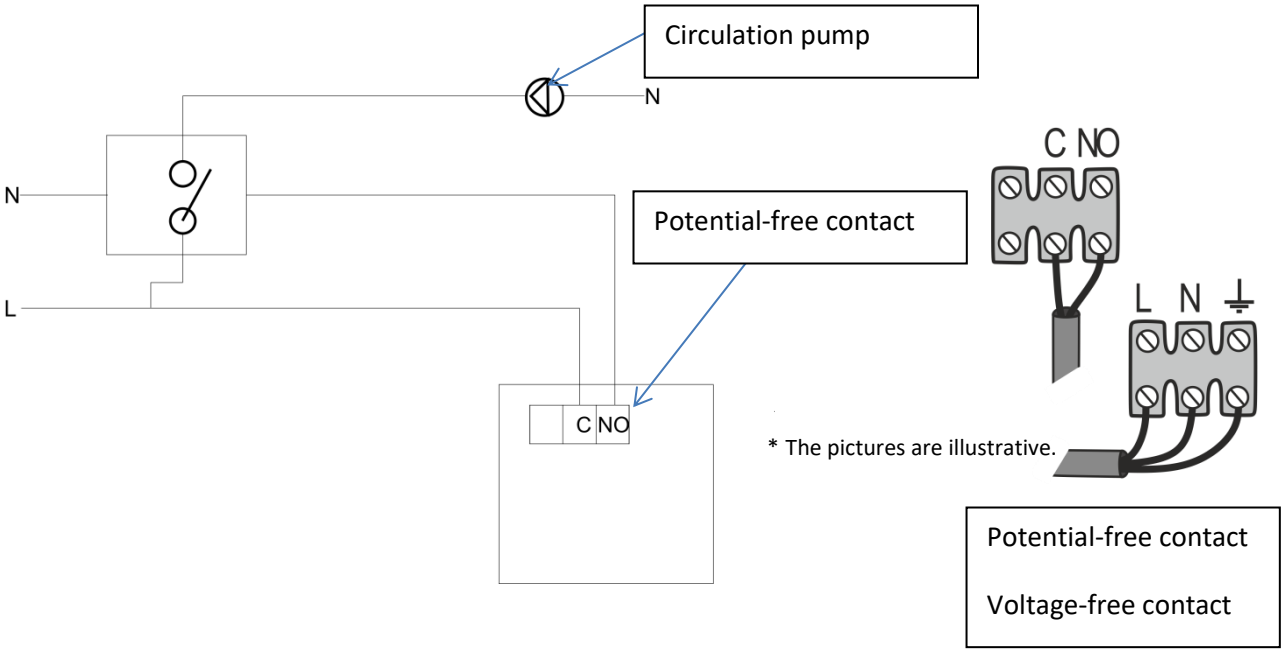
Please note that DRY 300/400/500 are not equipped with a thermostat and a potential-free heating contact by standard.

Parameters of the solenoid valve:

- dimension DN 12,
- operating pressure PN 10,
- threaded connection,
- control: coil
- 230V (D-233),
- material: brass,
- controlled directly,
- type: 8253 12D 1 12 2 1 230V AC

No.	Item	Material
1	Safety nut	Galvanized steel
2	Washer	Galvanized steel
3	Coil	PBT + 30% G.F
4	Piping	Stainless steel AISI 430
5	Seal	FPM
6	Screw	Stainless steel
7	Cover	Brass CW 617 N
8	Spring	Steel
9	Ring	Stainless steel
10	Piston	Stainless steel
11	Spring	Steel
12	Support	Stainless steel
13	Insulation	NBR
14	Spring	Steel
15	Cover	Stainless steel
16	Membrane	NBR
17	Cover	Stainless steel
18	Body	Brass CW 617 N





The dehumidifier can be equipped with a solenoid valve on request. When used in combination with a hot water coil, it has a similar function to the fan coil, i. the fan works independently with the compressor (humidistat) and independently with the LPHW hot water coil (thermostat).

It is recommended to insert a shut-off valve between the LPHW hot water insert and the heating source. This will allow it to be quickly disconnected from the heating system in the event of a fault in the heating system and/or maintenance of the system or dehumidifier.

LPHW connection options

FROM THE BACK	FROM RIGHT
	

1.4. Humidity control by remote controller – on demand

An external wireless humidistat and the DRY EASY 300 thermostat can be ordered for the pool dehumidifier which is equipped with a built-in mechanical humidistat as standard.

When ordering the DRY EASY 300, there will be no digital humidistat and thermostat 1401F on the cover. The hole in the cover will be covered.

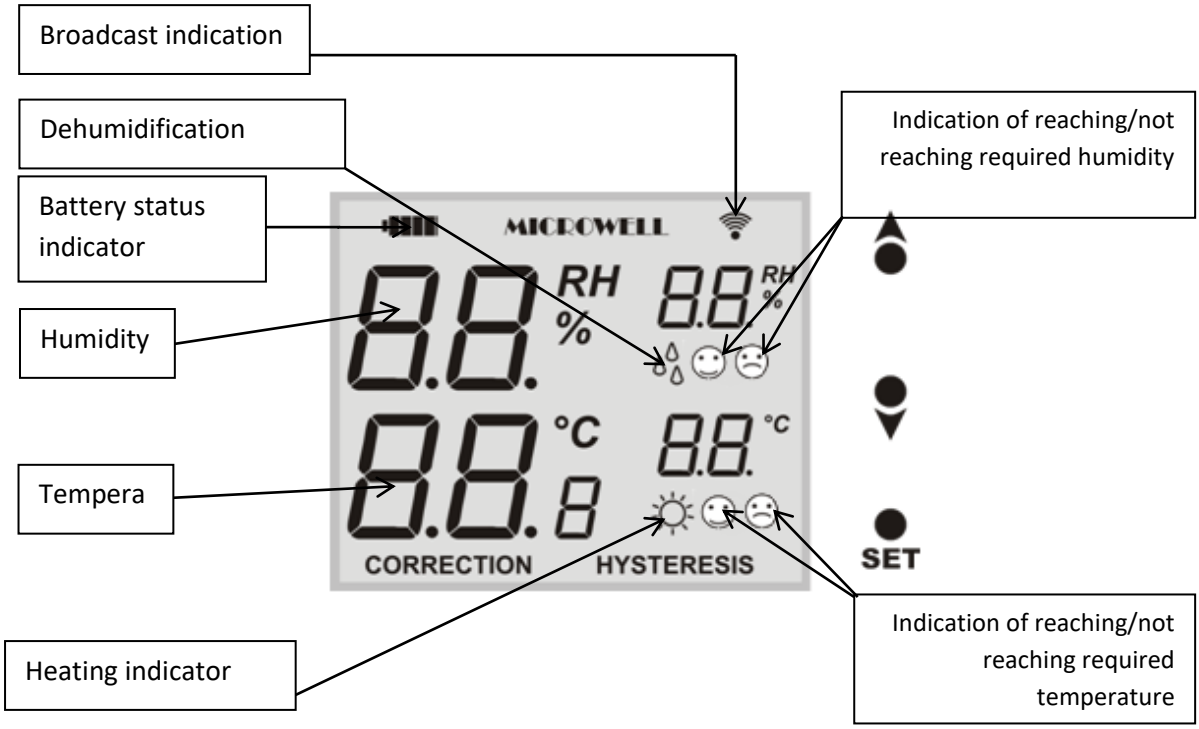
Wireless communication takes place in the 868 MHz band, where the emphasis is on the reliability and range of the controller. The dehumidifier is controlled primarily by a remote humidistat, provided that the built-in humidity controller in the dehumidifier is set to a higher desired humidity value than the remote humidistat.

External wireless humidistat and thermostat DRY EASY 300

1. TRANSMITTER *2. RECEIVER* *3. ANTENNA*

The manufacturer recommends setting the required humidity value on the DRY EASY 300 in the range of 55 to 65% RH.

If the backup humidistat had been set to a lower value than the DRY EASY 300 remote humidistat, the backup humidistat will take over the room humidity control and in this case the dehumidifier will not respond to signals from the DRY EASY 300 remote humidistat.



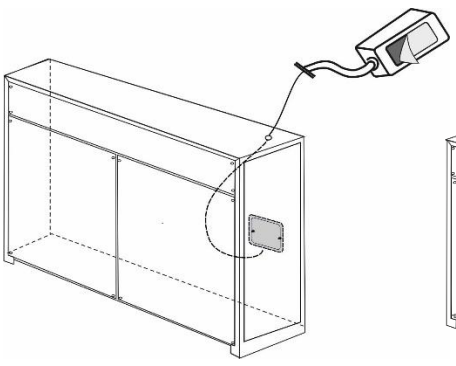
Additional functions and operation of the remote humidistat are described in the separate enclosed instructions.

Location of receiver and antenna

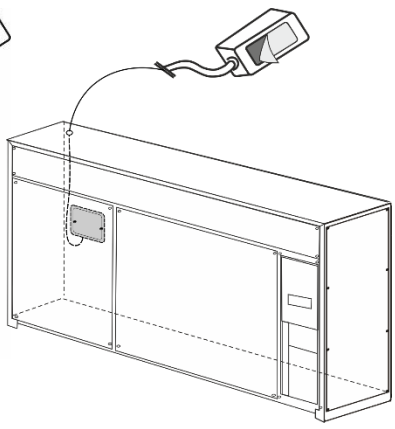
A: The receiver is located inside the electrobox and the antenna is located on the outside of it.

B: For TTW version / through the wall / we recommend pulling the antenna into the pipe in the wall. Follow the picture below.

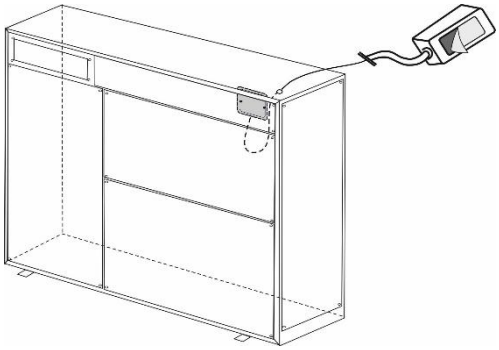
DRY300/400 DUCT



DRY500 DUCT



DRY800/1200 DUCT



1.5. Humidity control by external wired humidistat EBERLE

If your device is equipped with an EBERLE wired remote humidity controller, pay attention to this section of the installation manual.

Wired humidistat EBERLE HYG6001

Wired humidistat and thermostat EBERLE

When ordering EBERLE HYG6001/7001, there will be no digital humidistat and thermostat 1401F on the covers and the hole in the cover will be covered with a cover.

The dehumidifier can be equipped with a remote humidistat on request. In this case, the dehumidifier has two humidity controllers. One of them is a built-in mechanical humidistat inside the pool dehumidifier, the other is an external wired humidistat. The dehumidifier is controlled primarily by the remote humidistat, provided that the built-in humidity controller inside the dehumidifier is set to a higher desired humidity value than the remote humidistat.

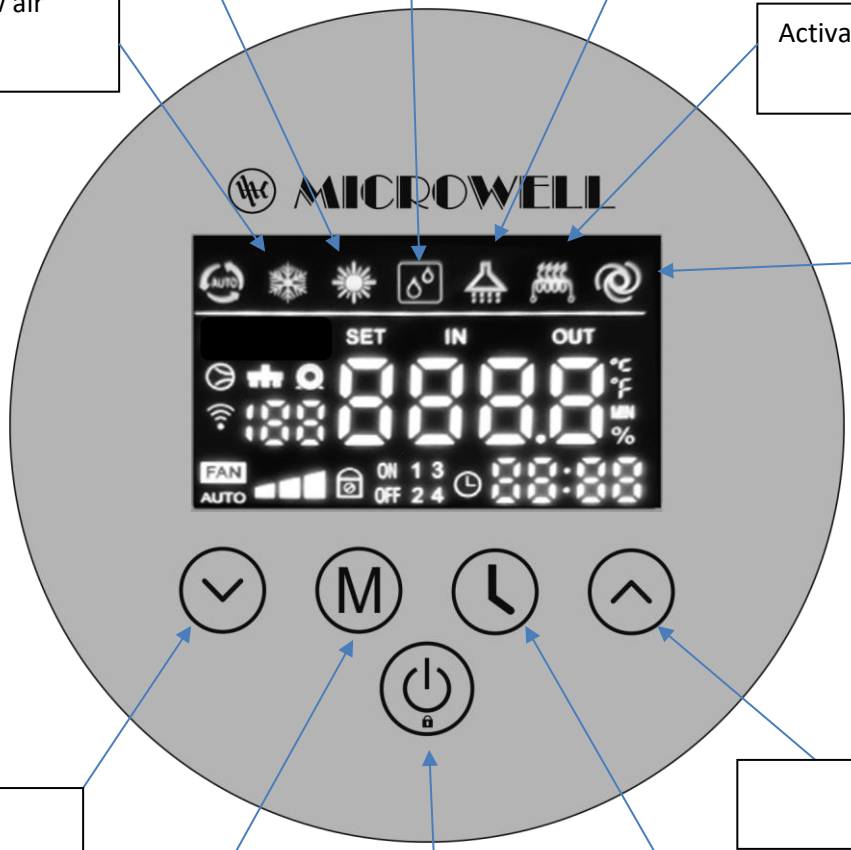
If your dehumidifier is equipped with a hot water insert and/or a solenoid valve also, you must use a humidistat with an EBERLE HYG7001 thermostat to activate the dehumidifier's air heating function, or you must have an external thermostat connected.

4. HANDLING INSTRUCTIONS

Touch Controller

Description of display

Please note that actual display and/or its icons may differ from the product you have.



Heating mode.

Dehumidification mode.

Winter module activation.

Defrosting or low air temperature.

Activation of heating (heating on).

Activation of external ventilation.

DOWN arrow.

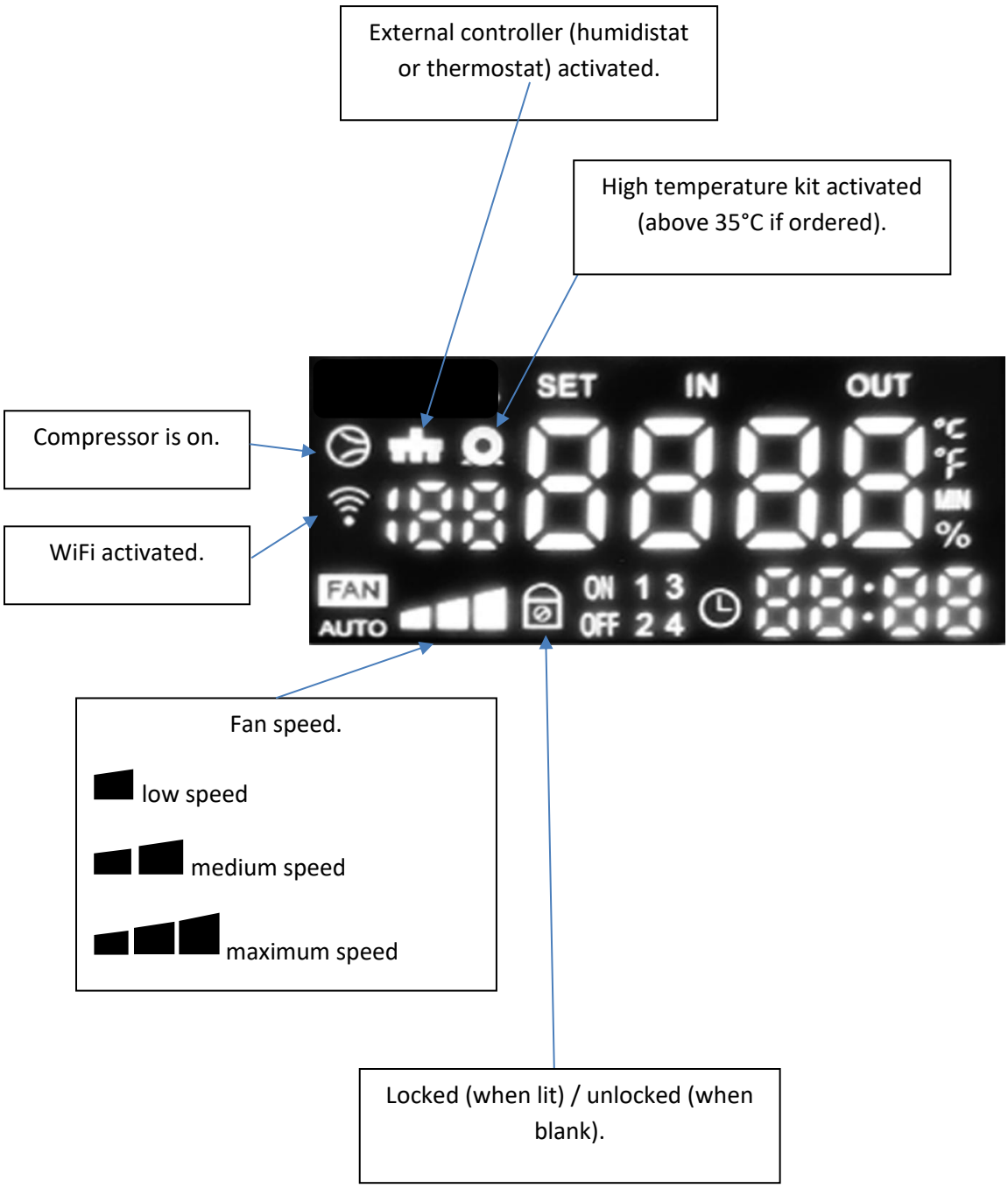
UP arrow.

Access to operational parameters / main settings.

Main ON/OFF button; LOCK/UNLOCK

Press & hold 5 seconds to lock or unlock.

Clock button.


External controller (humidistat or thermostat) activated.
High temperature kit activated (above 35°C if ordered).
Compressor is on.
WiFi activated.
SET
IN
OUT
°C
°F
MIN
%
FAN
AUTO
ON 1 3
OFF 2 4
Fan speed.
low speed
medium speed
maximum speed
Locked (when lit) / unlocked (when blank).

1 Humidity settings 

Target humidity should be set within 50~65% RH range. Humidities lower than 40% may cause too dry environment, unnecessary electrical consumption and can cause unwilling dry feeling. Humidities above 70% create favorable environment for mold and/or bacteria growth.

Example:

Below picture shows stand-by in dehumidification mode (compressor off), current reading of relative humidity 64%, time 21:10, Wi-Fi function activated, fan on medium speed and external controller activated.

In order to set target humidity to activate dehumidification, make sure to **unlock the display** by pressing and holding the ON/OFF button  for 5 seconds. Then **set with up**  **or down**  **arrow**.

Humidity function is also dependent on hysteresis (difference between the target and actual relative humidity to activate/inactivate dehumidification). Parameter C22 is Humidity Hysteresis. Refer to its settings below in Settings (Main parameters). Hysteresis is positive (1 directional).

Should the controller be set to different than dehumidification mode then set dehumidification by pressing and holding the up arrow for 5s. You need to set the water drop icon  . Make sure the display is unlocked.

5 seconds press & hold  =>  .

2 Air heating settings 

In order to set target air temperature to activate air heating, make sure to **unlock the display** by pressing and holding the ON/OFF button  for 5 seconds. Then press and hold M button  to access “C” System Settings (Main parameters). If you only press M button shortly

you will be prompted to self-diagnosis “d” parameters. Then proceed with arrows  to move to **C2** parameter, then press M button  to access settings of C2, then **set your requested air temperature with up**  **or down**  **arrow**, confirm with M button. We suggest to keep the air temperature in range +2°C above water temperature for general pools (normally in range 26~32°C).

Air heating function is also dependent on hysteresis (difference between the target and actual air temperature to activate/inactivate air heating). Parameter C21 is Air heating Hysteresis. Refer to its settings below in Settings (Main parameters). Hysteresis is negative (1 directional).

Should the controller be set to different than dehumidification mode then set dehumidification by pressing and holding the up arrow for 5s. You need to set the sun  and water drop icon  . Make sure the display is unlocked.

5 seconds press & hold  =>  ., then again **5 seconds press & hold to show both sun and water drops**  . Since the device is dehumidifier, you should keep dehumidification settings activated (water drop) and have sun activated too (to enable air heating). Please note that the actual order of symbols may differ.

3 Self-diagnosis (operational parameters)

Your controller is equipped with self-diagnosis function. This is very convenient function that enables you and your installer (dealer) to diagnose the dehumidifier based only on display readings. In most cases it allows the installer (dealer) to determine if the device is working properly and/or to identify the fault.

In order to access the self-diagnosis, make sure to **unlock the display** by pressing and holding the ON/OFF button  for 5 seconds. Then **press the M button**  **shortly (1 second)** to access "**d**" parameters. If you press and hold the M button for 5 seconds and more you will be prompted to "C" System parameters (settings). Press on/off to return to basic view and then tap the M shortly to access the d operational parameters.

List of self-diagnosis parameters below:

Parameter code	Sensor type	PCB connector number	Meaning of parameters	Parameter range	Sensor connector color
D1	T5 – air, 5kΩ plastic	CN3	**Air temperature**	-30℃~99℃	White
D2	T1 – HT sensor	CN11	**Relative humidity**	0%RH-99%RH	White
D3	T4 – evaporator, 5kΩ copper	CN6	**Evaporator temperature**	-30℃~99℃	Yellow
D4	T3 – 5koΩ copper	CN8	**Suction temperature**	-30℃~99℃	Black
D5	T2 – 50kΩ copper	CN9	**Compressor discharge temperature**	-30℃~99℃	Red
D6	-	CN3	Step number of EEV 1	0-500 steps	-
D7	-	CN4	Step number of EEV 2	0-500 steps	-
D8	-	-	Operation frequency of the DC inverter fan motor	0-2000Hz	-
D9	T6 – 50kΩ copper	CN2	Electrical heating coil temperature (if C33=1)	-30℃~99℃	

4 System Settings (main parameters)

Main settings (or parameters) mean overall core settings of your device. **Do not interfere with these settings unless you have been trained to do so.** Manufacturer, installer and/or dealer are not responsible for damages on the device, equipment and/or health risks from incorrect settings.

Your device comes with pre-set factory settings. Should you need to change the parameters, then please make sure to **unlock the display** by pressing and holding the ON/OFF button for 5 seconds. (if you only short press M button you will be prompted to "d" self-diagnosis parameters). Then **press and hold M button** to access "C" Settings (Main parameters). Then proceed with arrows to move to C1-C28 parameters. In order to set particular C parameters, press M button to access its settings. **Set with up or down arrow**, confirm with M button.

List of System parameters below:
C1->C9
10->28 means C10 to C28

Parameter code	Meaning of the codes	Description of parameters	Default
C1	Requested humidity	1%RH-99%RH	58%RH
C2	Requested air temperature for air heating	5℃－45℃	30℃
C3	With or without heating	0～1, 0= without heating 1= with heating	The default is 1
C4	Humidity sensor correction	－10%～10%	0%
C5	Delay detection time after the compressor starts Minimal compressor running before defrosting	20～90min	40
C6	The temperature at which the system enters the defrost point (self-diagnosis d3)	－10℃～10℃	－2
C7	Temperature at which the system exits the defrosting point	0℃～15℃	8
C8	Maximum defrosting time	2min～12min	10
C9	Fan control mode	0-2 0=periodical	2

		1=continual 2=smart – air sampling for 60s after time based on parameter C24	
C 10	The return difference when the EEV exits after entering the permissible discharge temperature	1~30℃	10℃
C 11	The permissible discharge temperature when adjusted by the EEV	80℃～150℃	95℃
C 12	Operation period of the EEV.	20s～90s	30s
C 13	Target super heat.	-10~10℃	5℃
C 14	The minimum opening EEV settings	1～240	75
C 15	Fan type selection	0-AC；1-DC	0
C 16	High wind speed of DC motor	400-1500	1500
C 17	Low wind speed of DC motor	400-1500	600
C 18	High pressure detection function (this is refrigerant system core protection, do NOT set „0“for parameter C18 unless you have been clearly instructed by your installer or dealer to do so). Settings „0“is used to enable the device to start and read out self-diagnosis even though high-pressure protection has been engaged – error E4.	0-without；1-with	1 (set to “0” only for self-diagnosis purposes after you have experienced E4 error code)
C 19	Low pressure detection function (this is refrigerant system core protection, do NOT set „0“for parameter C19 unless you have been clearly instructed by your installer or dealer to do so). Settings „0“is used to enable the device to start and read out self-diagnosis even though low-pressure protection has been engaged – error E5.	0-without；1-with	1 (set to “0” only for self-diagnosis purposes after you have experienced E5 error code)
C 20	Return air temperature function	0-without；1-with	1
C 21	Air heating hysteresis Negative hysteresis – turns on when actual air temperature is	0~+10°C	1

	less than (C2-C21), turns off at C2.		
C 22	Air humidity hysteresis Positive hysteresis – turns on when actual RH is more than (target humidity+C22), turn off at target humidity.	0-10%; 0-1-2-3-4-5-...10	4
C 23	Air temperature sensor correction This parameter is to be used when you need to adjust the air temperature sensor reading.	-5~+5	0
C 24	Air sampling (periodic air measurement with „low fan speed “), 60 seconds	10-60minutes, step by 10minutes (10-20-30-40-50-60)	20
C 25	Active / Passive defrosting Attention to user: do not set „1“ yourself, there is risk of frost with subsequent damage of your dehumidifier. Settings of “1” is only used when your dehumidifier is equipped with 4-way valve (low temperature kit for air operations from +5°C).	0~1 0 = passive = 14~45°C (air flow defrosting) 1 = active = 9~45°C (only with 4-way valve)	0
C 26	Fan speed control Your dehumidifier is equipped with simulated step inverter fan. This allows the fan to assume lower speed if the air temperature and humidity and/or air heating function enables it. Typically, if RH and/or Air temperature are less than 5% (5°C) from target then if air temperature is below C26, the fan will automatically assume lower speed.	5-45	27
C 27	Temperature at which the system exits the defrosting point PASSIVE defrosting (C25=0)	0℃～20℃	15
C 28	Maximum defrosting time PASSIVE defrosting (C25=0)	2min～25min	15
C29	Ventilation	0-1	0
C30	DUCT unit	0-1	0

C31	Phase Sequence Protection / Electrical Protection IN1	0-1	0
C32	Dry Contact/PV Ready IN2	0-1	0
C33	Electric heater	0-1	0
C34	LED microLIGHT	0-1	0
C35	Medium wind speed of DC motor	400-1500	900
C36	DC fan quantity	0-1 0 = single fan 1 = two fans	0

5 Description of general function

Your dehumidifier is able to maintain following function modes:

Mode	Range of the ambient temperature		Display settings in abnormal mode (including downtime due to failure)	Symbol
	5℃-45℃	Outside the range of 5℃-45℃		
Dehumidification mode	Normal dehumidification	The dehumidification mode is off, the compressor is off, and the fan is off	The dehumidification mode icon keeps flashing	
Independent heating mode	Normal heating	Normal heating	In heating mode, the icon flashes continuously	
Dehumidification and heating mode	Normal dehumidification and normal heating	The dehumidification mode is turned off. The compressor is turned off, but the fan remains on for independent heating	The icon of dehumidification plus heating mode keeps flashing	 
Air supply mode	Normal output	Normal output		

Display flashes water drops  and snowflake  => unit is defrosting.

Display shows OFF  and OUT  => DRY contact is disconnected (PV ready disabled).

The dehumidifier is programmed for automatic operations. This means that the dehumidification, air heating and ventilation (fresh air) is turned on based on requested target relative humidity and target air temperature. The fan is programmed to automatically adjust its speed from low to high speed based on demand. If the relative humidity is within 5% (percentage points) difference from target and air temperature is below settings C27, the fan will not assume high speed. After the system has turned off active dehumidification or air heating, the fan will continue to work on medium speed to dry out or cool down the system for another 120 seconds.

- **Real-time clock setting:**

On the main interface, press “Clock” to enter the real-time clock setting screen.

On the real-time Clock screen, press the “Clock”  key, and the digit in the hour part blinks. Press the “+” key or the “-” key to set the hour of the real-time clock.

After the hours part is set, press the “Clock” key again, and the number in the minutes part blinks. Press the “+” key or the “-” key to set the minutes of the real-time clock.

After the minute part is set, press the “Clock” key again to confirm the real-time clock setting and return to the main interface.

If no key is pressed for 30 seconds on the real-time Clock setting screen, the system confirms the current real-time clock setting value and returns to the main interface.

On the real-time Clock setting screen, press the “on/off” key to confirm the current real-time clock setting and return back to the main interface.

- **Set the timer to on/off:**

On the main interface, press and hold the “Clock” key for 5 seconds to enter the screen for setting the timer group.

At this time, press the “+” key or “-” key to set the timer group,1, 2, 3 and 4.

When segment 1 is blinking, press the “Clock“ key to enter the screen for setting the hour part of the timer startup time for timer group 1. When the number of the hour part of the timer startup time is blinking, press the “+” key or the “-” key to set the timer hour section for timer group 1.

After the hour part is set and you press the “Clock” key, the number in the minute part of the timer startup time blinks. Press the “+” key or the “-” key to set the timer startup minutes. Then you can set the timer of 1 group of startup minutes.

After setting the timer of the minute section for starting group 1, press the "Clock" key to enter the hour setting for shutting down of timer group 1. The setting method is the same as the above.

After the scheduled shutdown time is set, press the "Clock" key to confirm the current set timer on/off time, enter the on/off setting of timer group 2, the setting is the same as timer group 1, and return to the main screen.

On the timer setting screen, hold down the Clock key for 5 seconds to disable the timer on/off.

On the timer interface, if no button is pressed for 30 seconds, confirm the current timer time and return to the main screen. (Power off after timing can be remembered).

On the timer interface, press the “on/off” key to confirm the current timer time and return to the main screen.

The timer settings for other segments are the same as those for segment 1.

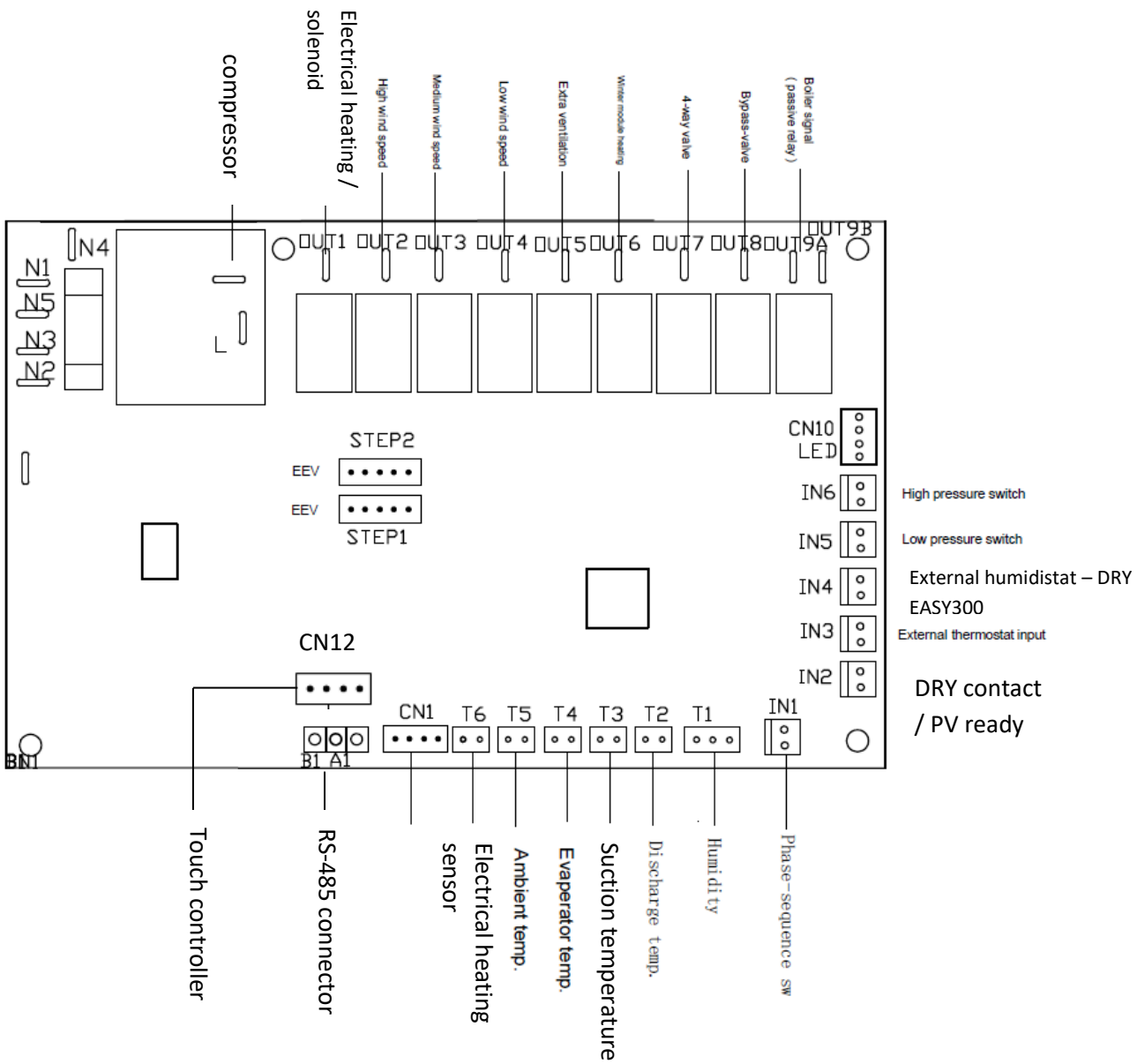
6 Wi-Fi

Press and hold CLOCK + UPPER ARROW for 5 seconds  to enter WIFI pairing. Then the WIFI icon will flash. 

Application is Smart Life 

Open the Smart Life APP and log in to the home screen. Tap “+” in the upper right corner or “Add Device” on the screen to enter the device type selection. Select “Other” from “Other device” to enter the screen for adding device

RS-485 and other interfaces (DRY contact)



IN4 = DRY EASY300, EBERLE HYG6001 /0V

IN3 = DRY EASY300

IN2 = DRY contact, PV ready, other master control /0V

IN1 = phase sequence protection / electrical heater protection

OUT5 = external ventilation (fresh air connection) / 230V

OUT1 = Electrical heating or Solenoid valve for water heating / 230V

CN1 = External controller touch Wi-Fi

7 Error codes

Error code	Operational status of the dehumidifier	Protection/Failure description	Solution	Recoverable
E1	Air heating function is disabled. Compressor and dehumidification function remains. In the case of E1 and closed IN3 (external thermostat) the heating and fan must remain too. E1 on display OK.	**Indoor temperature sensor error**	Check the CN3 white connector sensor and/or exchange it.	yes
E2	Air heating function works normally. Dehumidification works normally with periodic defrosting and E2 error showed.	**Evaporator temperature sensor error**	Check the CN6 yellow connector sensor and/or exchange it.	yes
E3	Air heating function works normally. Dehumidification is disabled.	**Humidity sensor error**	Check the CN11 white connector sensor and/or exchange it.	yes
E4	Dehumidification function is disabled. **Serious error**. This error is non-recoverable and requires manual intervention. Air heating function works normally.	**High pressure protection**	Restart your device with ON/OFF button, if E4 happens repeatedly, pls contact your installer or dealer. You may disable the high-pressure protection by setting parameter C18 to 0. This allows you to run the device and read out operational parameters to confirm or deny the error.	no
E5	Dehumidification function is disabled. **Serious error**. This error is	**Low pressure protection**	Restart your device with ON/OFF button, if E5 happens repeatedly, pls contact your installer or dealer.	no

	non-recoverable and requires manual intervention. Air heating function works normally.		You may disable the high-pressure protection by setting parameter C19 to 0. This allows you to run the device and read out operational parameters to confirm or deny the error. Low pressure error may also occur in low air temperatures. The system is programmed to automatically adjust for given air temperature: 25<Ta<45, 30seconds If 15<Ta<24, 60seconds If 5<Ta<14, 120seconds	
E6	Dehumidification may be disabled. Air heating works normally.	**Defrosting error**	Speak with your installer/dealer, possible causes: dirty or clogged drain or 4-way valve, too cold, etc. When C25=0 or C25=1 and unit enter defrosting, then if **3** consecutive times AND each time the system exits defrosting based on time = C28 (C8) (and not based on temperature C27 (C7)), then E6 is activated, then compressor off. Heating function is not changed.	no
E7	**Serious error**, dehumidification is disabled. Air heating function works normally.	**Overheat protection, high compressor temperature**	E7 – requires correction – described further below.	no
E8	Dehumidification works normally.	**High temperature by air heating protection**	IN1=OPEN, (electrical heater protection fuse failure, fan malfunction,	No Fan running for 120 seconds at high speed.

	Air heating is disabled.	**Alternative Phase-sequence protection**	filter dirty, system frozen, problem with air flow) Alternative phase protection (order of the phases, missing phase, etc.) /3ph 400V units only)	
E9	Dehumidification disabled. Air heating works normally.	**Suction temperature sensor error**	Check the suction sensor – CN8 black and/or change the sensor.	yes
E10	Dehumidification disabled. Air heating works normally.	**Discharge temperature sensor error**	Check the suction sensor – CN9 red and/or change the sensor.	yes
E11	Dehumidification disabled. Air heating works normally.	**High discharge temperature protection**	The device signalizes it is overheating. It will attempt to restart and run the fan at high speed to cool down. If this error is activated 3 consecutive times (within single running period), the system is turned off and E7 (non-recoverable) error is displayed which requires human interaction.	yes
EE	Unit is disabled.	**Communication error**	Incompatible SW (FW) versions of the PCB and/or display; cable connection.	yes
E12	Unit is disabled.	**DC fan failure**	Check the cable connection of the display and the PCB and the fan(s). Check PCB for burns.	No
E13	Unit is disabled.	**Communication failure between the main board and the DC inverter module**	Check the cable connection of the display and the PCB. Check PCB for burns.	No
E14	Unit is disabled.	**Too low ambient temperature alarm** **Snow flake and OFF are flashing** 	Increase air temperature. The reason for this error is lower air temperature than settings range within parameter C25 (i.e. less than 9°C or 5°C).	Yes
E15	Electrical heating disabled,	**Failure of the T6 (CN2) electrical heater sensor**	Check the sensor cable and-or replace the sensor. It is 50kΩ copper head.	Yes

	dehumidification works normally			
E16	Electrical heating disabled, dehumidification works normally	**Critical temperature of the electrical coil**	Check the air flow, if there aren't objects blocking the air flow Check fan motor if it works normally. Check the unit for dirt and/or any blockage.	Yes Activation above 120°C, disactivation below 90°C

4.3 Compressor control

Start-up of the compressor is due to its protection delayed by 3 minutes. Depending on the humidity of the environment, it may take even longer for compressor to start operating. Once the compressor stops operating, the operation is renewed automatically at the earliest after three minutes. The user must not alter the preset delay-action relay.

After longer time without operations when compressor attempts to turn itself on, it is normal to take up to 4-6 turning-on attempts to finally turn the compressor on. This depends also on current air temperature. Lower temperature environment (app. 22°C) requires more attempts. Higher temperatures (30°C) less and typically 1 attempt.

4.4 Maintenance

At least once a year it is necessary to have the unit checked and cleaned by a qualified service specialist. This will ensure long and reliable service life of the unit.

1x / month	check air filter
1x / 6 months	exchange air filter
1x / year	Unit fixation – unit holding OK? No released screws?
1x / year	Condensate drain – Visual check - does it drain OK? Clean of dust? No waving? No leakage? No water on the stain on the ceiling or the wall?
1x / year	air ducting connection ok? No released screws?

5. INSTALLATION GUIDE

The unit must be installed in compliance with the local installation and electrical installation regulations!

5.1 Location of the equipment

DRY 300 DUCT, DRY 400 DUCT, DRY 500 DUCT, DRY 800 DUCT and **DRY 1200 DUCT** are designed to be installed in technical rooms. All models are IP44 protected. For maintenance purposes it is essential to have min 200mm of a free space on both sides of the unit and min 750mm from the front side of the unit. In technical chamber or adjacent room it is necessary to have 2.25x1m^2 of a floor surface.

5.2 Device fixation

DRY 300/400/500 DUCT comes by standard with wall console and it is designed to be installed on the wall.

DRY 800/1200 DUCT comes by standard with floor feet designed to be installed on the floor. Alternatively, it is possible to install **DRY 800/1200 DUCT** on the wall using wall console.

Please note that the screws and dowels supplied with this dehumidifier are to be used only with solid concrete or brick wall. Please check your wall material and choose appropriate screw and dowel.

DRY 300/400/500 DUCT - Please use installation layout. It is 1:1 scale drawing of the dehumidifier with markings for wall console screws, side fixation screws, water drainage, electrical power supply and LPHW connection from the back.

Brief installation instructions:

DRY 300/400/500 DUCT

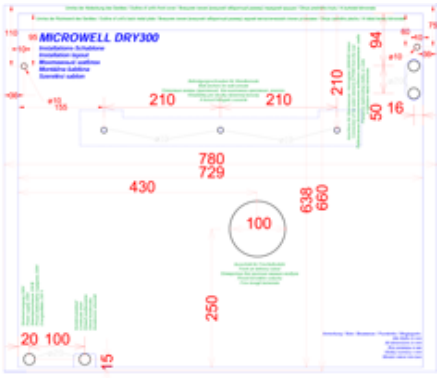
1. Confirm the position of the dehumidifier and the wall console screws using Installation layout.
2. Drill 3 holes, use appropriate dowels.
3. Fix the wall console tightly with appropriate screws. **Wall console must be perfectly levelled using spirit level!**
4. **Remove the transport protection of the compressor! More information below.**
5. Hang the dehumidifier onto the wall console.
6. Remove the right part of front cover (3 screws) and connect the electrical power supply.
7. Put the condensate water hose into drainage (from the back).
8. Turn the unit on and test it.
9. If unit works and appears to operate normally, turn it off and continue with installation finalization.
10. Connect air ducting. And you are good to go!

DRY 800/1200 DUCT

1. Confirm the position of a dehumidifier on floor feet / wall console.
2. In the case of wall console fit both consoles with 3 screws and dowels. Both consoles must be levelled by spirit level. Screws are supplied with the dehumidifier.
3. **Remove the transport protection of the compressor! More information below.**
4. Level the dehumidifier using flexible feet / fix the dehumidifier on the wall console with screws (all coming in packaging).
5. Remove the left part of front cover (2 screws) and connect the electrical power supply.
6. Put the condensate water hose into drainage (from the back).
7. Turn the unit on and test it.
8. If unit works and appears to operate normally, turn it off and continue with installation finalization.
9. Put the right side of the cover back and connect the ducting with 4 screws.
10. Connect air ducting. And you are good to go!

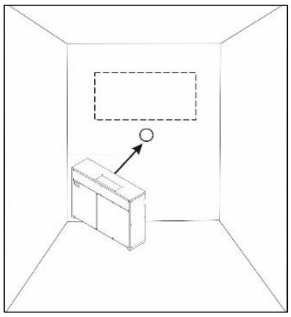
Mounting template

The mounting template is a large sheet of paper that is processed in a scale of 1: 1 ratio of the size of the dehumidifier. Includes marking of dehumidifier drawing, wall bracket with screw holes, fixing screws, water drain, power supply and LPHW connection from behind. Proceed by placing the mounting template on the wall where the dehumidifier will be mounted - make sure that the holes in the wall bracket are balanced with a spirit level. Punch and mark them on the wall in the places indicated for drilling. When positioning the holes, pay attention to the location of the electricity supply and the condensate drain! Available for DRY300-400-500DUCT.

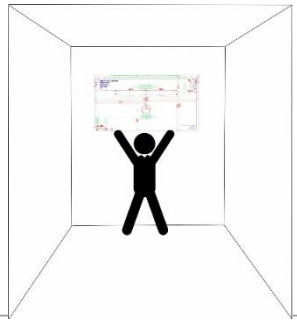


Brief installation instructions (DRY300/400/500 DUCT)

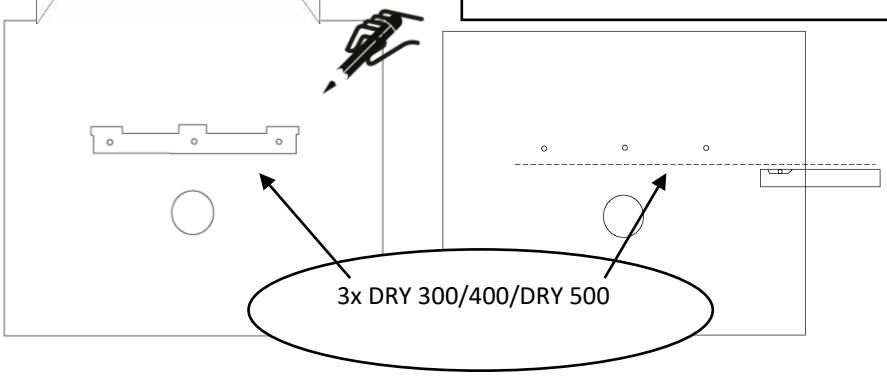
Determine a location for mounting the dehumidifier. Choose a suitable position respecting all the rules described above.



1. Place mounting template on the wall. Before installing the dehumidifier, all construction work (painting, tiling, heating, drainage, electricity, etc.) must be completed.

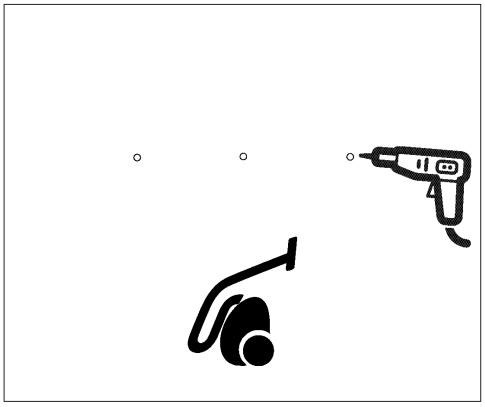


2. Using the mounting template and the spirit level, mark all the holes that will need to be drilled. Remember to use a spirit level. For safety reasons, i tis recommended to fasten the device with two mor screws in the upper right an dupper left corner – the location can be found on the installation template.



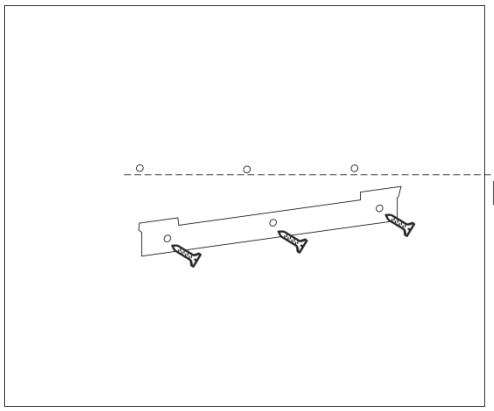
3. You must drill: **3 holes for the DRY300/400/500 wall console**

It is advised to drill also 2x holes DRY300/400/500 for fixing screws, an opening of Ø 100mm for DRY300/400/500 fresh air supply (in case your dehumidifier is equipped with these accessories, which is available on request).

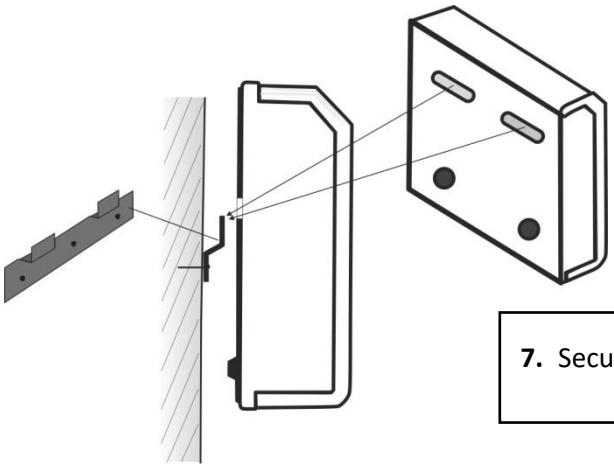


4. Drill the holes. We recommend vacuuming the dust.

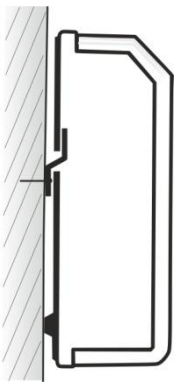
5. Insert supplied dowels in the holes.

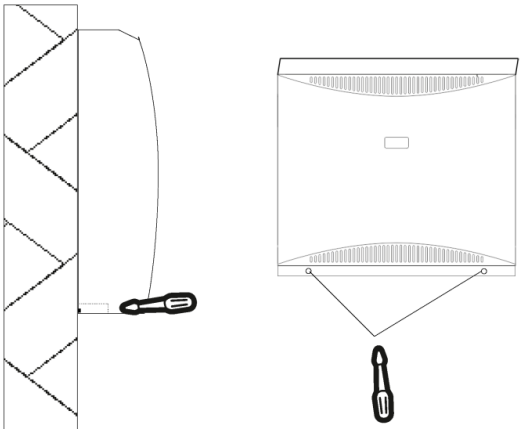


6. Secure console with the supplied or other suitable screws. **The console must be in a horizontal position with a maximum deviation of +/- 0.3%!**

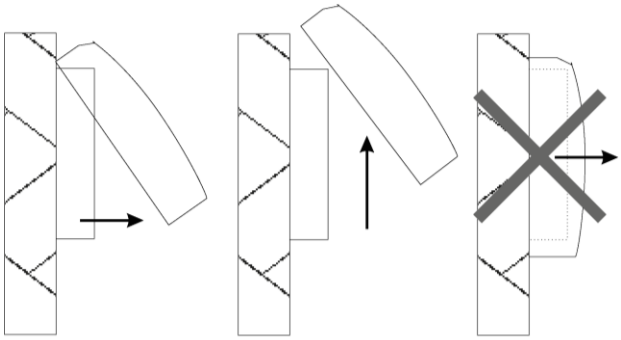


7. Secure dehumidifier onto the console.

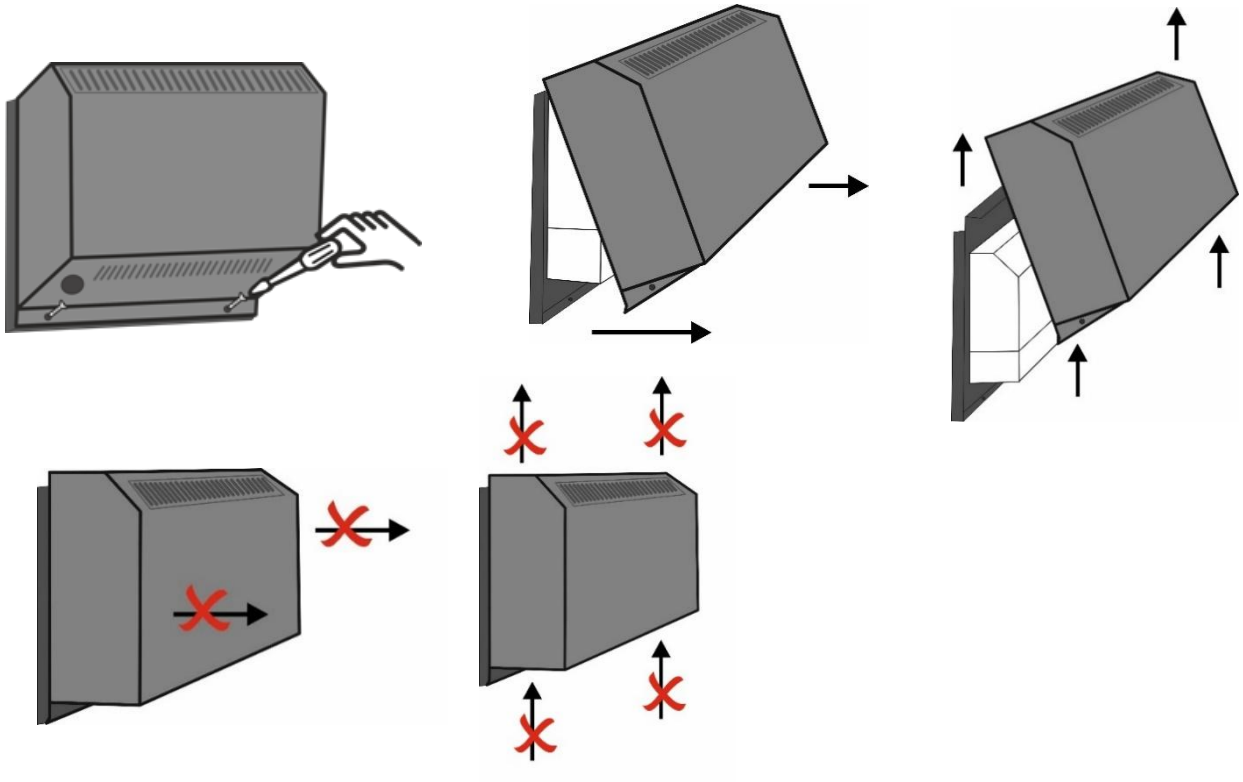


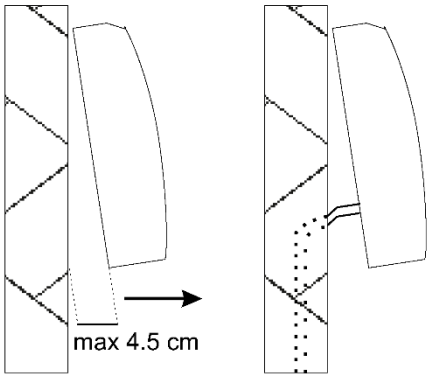


8. You will now need to remove the cover of the dehumidifier, to connect the power supply and condensate drain. The cover can be removed after loosening 2 screws (DRY 300/400) or 3 screws (DRY 500) on the bottom part of the device

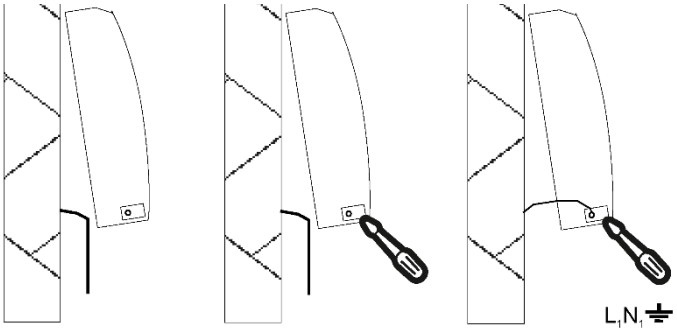


9. Pull the lower part of the cover towards yourself and then lift it down to remove the cover from the back plate. **Do not pull the cover towards yourself without lifting it first!**

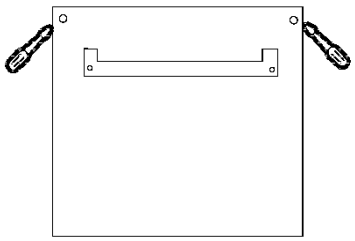




10. In the lower left part, there is a condensate drain hose, which must be inserted into the sewer pipe (rear). **Never drain condensate into the pool, it may contain dangerous bacteria.** The lower part of the dehumidifier can be slightly pulled together and thus have access to the condensate. Follow section Condensation drainage when installing the condensate hose.



11. Connect he power cord. For this purpose, there's an adaptor formed on the back plate of the device. The device is connected to 230VAC/1f L,N, grounding ⏚. Please follow section Main power supply connection.

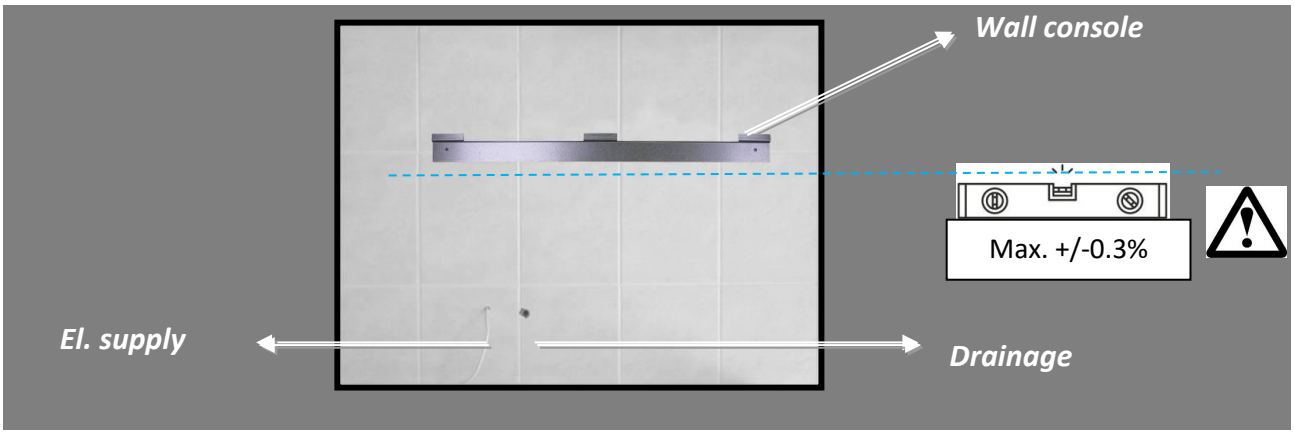


12. After successful set-up of the dehumidifier, it is advised to fix it with fixing screws. These are not part of the package and must be selected according to the type of wall or mounting structure.

14. Put the cover back on the device. Follow point 9 in reverse order.

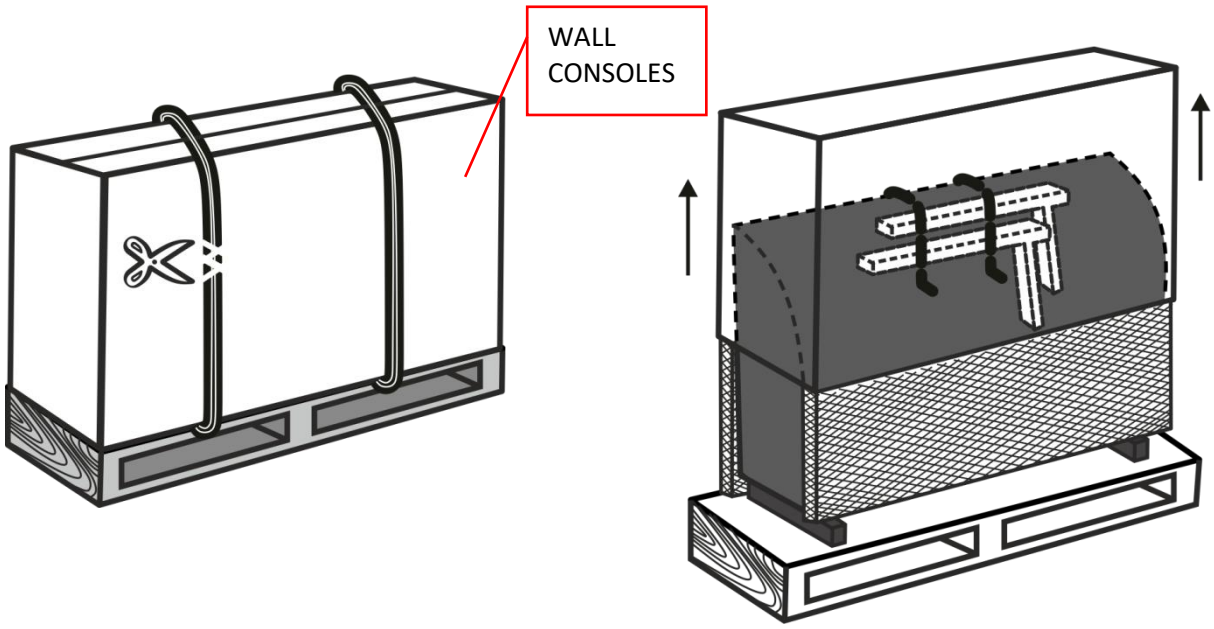
15. Switch on the circuit breaker to supply voltage to the dehumidifier's power supply. This turns on the device. If you have set the fan to run continuously, it will turn on immediately. If the set humidity is lower than the actual humidity, the compressor will also start after approx. 3 minutes. You will hear a gentle vibration. Do not run the dehumidifier without the main cover. **This condition can cause back ventilation, virtually instant freezing of the device and possible malfunction or damage.**

16. If the dehumidifier works properly, the installation is complete. If the pool hall has not yet been completed, we recommend switching off the dehumidifier with a circuit breaker and wrapping the air duct openings or the openings for air connection on the dehumidifier with plastic foil. This will prevent dust and construction waste from entering the device. More instructions in section 5.3. Condensed water drainage

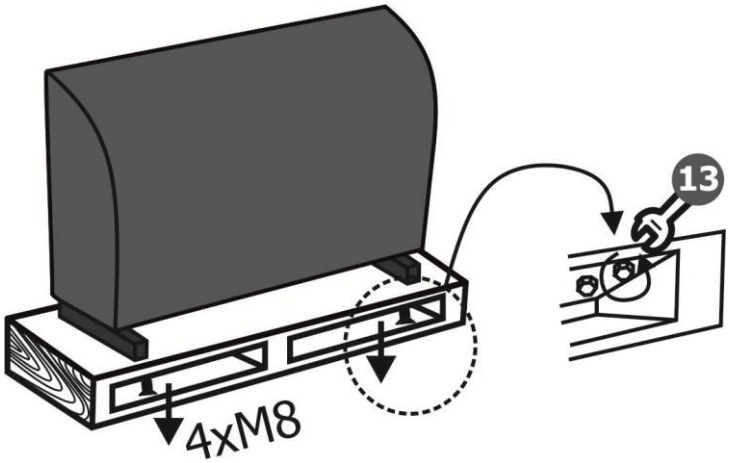


Preparation of electric power supply, condensate drain and console mounting

Brief installation instructions (DRY800/1200 DUCT)

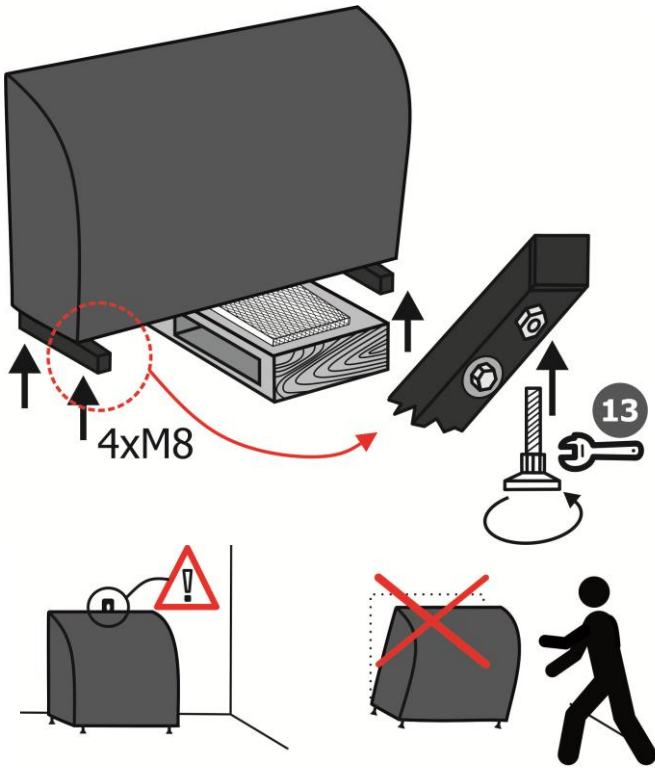


3. Remove the 4 M8 screws that secure the dehumidifier to the palet.
WARNING! Do not unscrew the M6 screws. After removing these screws, there is risk of the device falling.

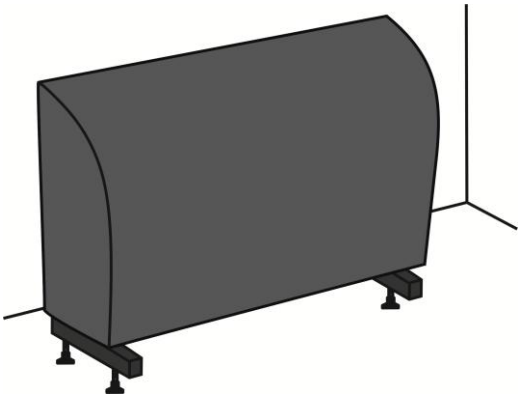


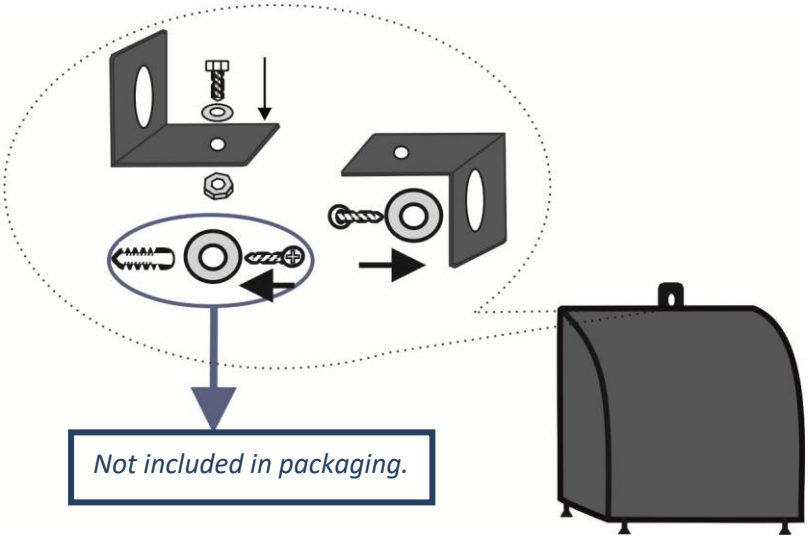
Floor installation

1. After removing 4 M8 screws, insert 4 rubber feet instead.



2. Floor installation is complete. Finally, attach the dehumidifier to the wall as shown below.





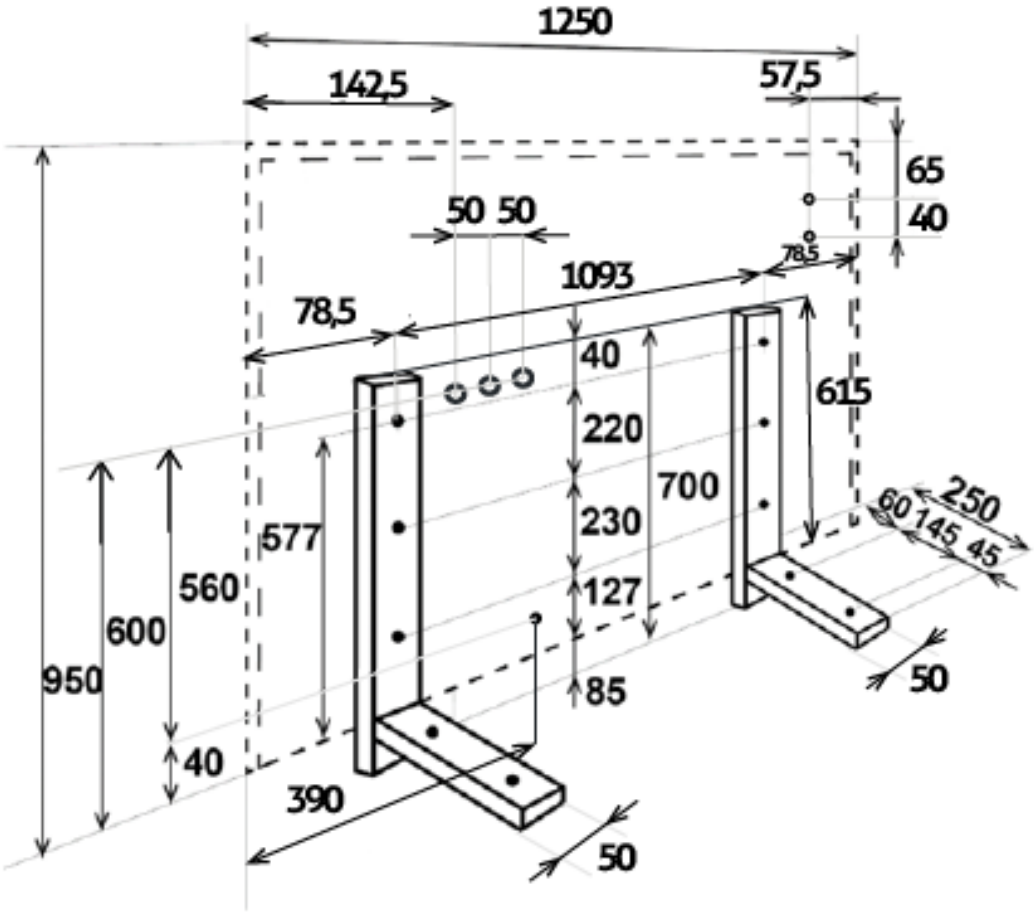
Wall installation of DRY80/1200 DUCT – on demand

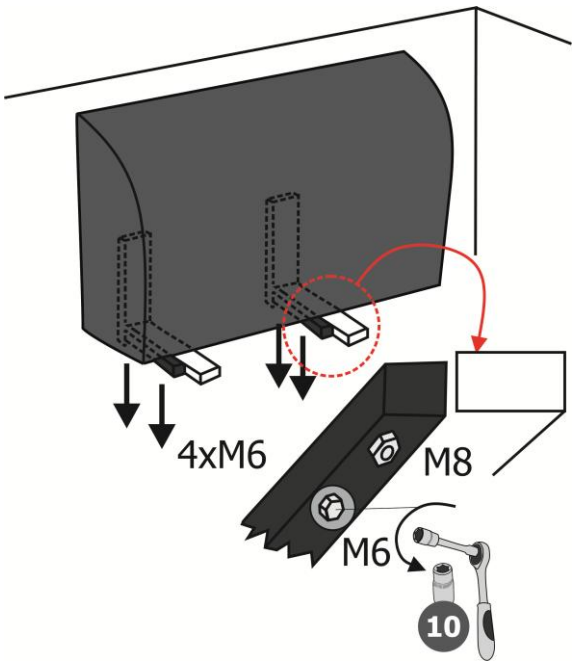
If the dehumidifier is being installed on a wall, it is necessary to order a set of brackets for wall mounting. This is used instead of the legs that come standard with the device. The set of brackets for wall mounting consists of:

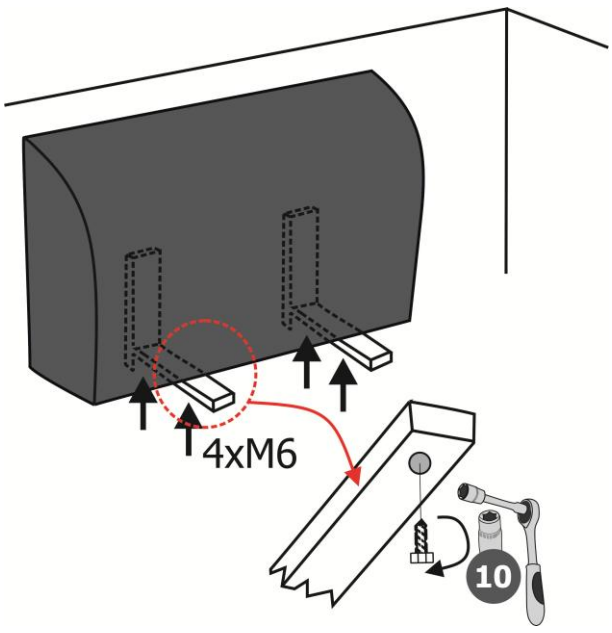
- pcs d 10 mm nylon dowels length 160 mm for anchoring in solid brick and concrete
- pcs M8 dowel screws
- 4 pcs M6 screws for attaching the dehumidifier bottom through the brackets

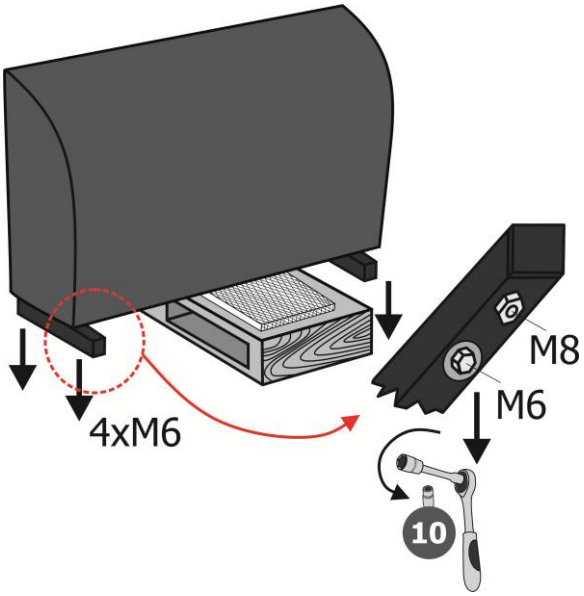
Each bracket is attached to the wall with three screws through the holes in the bracket into the dowels on the wall. The brackets must be mounted at a distance from each other as shown in the figure below. After mounting the device on the brackets, the device at the bottom must be screwed to each bracket with two M6 screws.

Installation procedure:
Remove the supplied feet (which fixed the device to the pallet). You can remove them on the floor, lift the whole unit and place it on the wall. Or you can install the wall brackets first and then lift the unit and then remove the feet.
Be careful not to place the cover/unit on the floor without feet. There is a risk of scratching and damaging the cover.


1250
142,5
57,5
65
40
50 50
78,5
1093
78,5
40
220
230
127
85
615
700
577
560
600
950
40
390
50
250
60 145 45
50


4xM6
M8
M6
10


4xM6
10



5.3 Compressor transport protection

Your compressor is protected for the transport with plastic zipper strap. Due to compressor size and weight this is necessary in order to have a fully functional unit delivered to you safely. This protection **must** be removed before starting the unit. Please view below pictures on how to proceed. The procedure generally takes few seconds. Please be advised that no removal of plastic zipper strap results in warranty void. Only regards DRY500-800-1200 models.

Picture 1: Plastic zipper strap as delivered from factory.

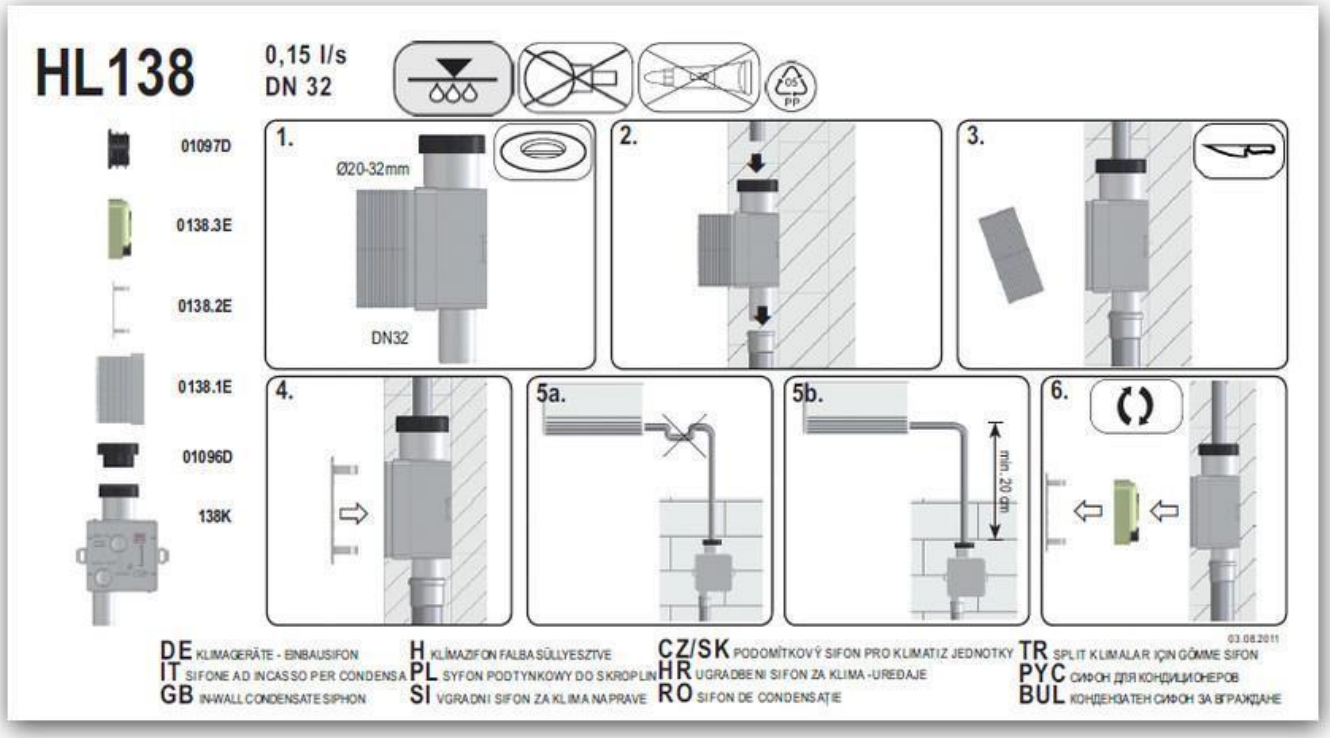
Picture 2: To cut the strap use pliers or other appropriate tool.

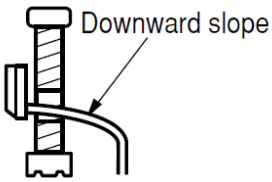
Picture 3: Finally remove the strap from the the dehumidifier.

5.4 Condensed water drainage

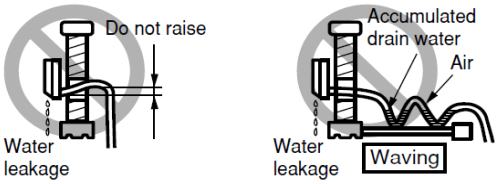
When drying your pool hall, your dehumidifier will condense the water that is fed into its internal collection tray. Without active (free) condensate drainage, the dehumidification process will not work. Condensation water is drained from the dehumidifier by gravity (downwards). The condensing tray has the correct slope when the dehumidifier is mounted horizontally (using a spirit level). Condensed water must be drained through a siphon to the sewer or to the outside environment. Please do not place the drain hose upwards (against gravity), as this may cause the appliance to be unable to drain water condensate. This in turn will cause water to leak from under the unit cover and may lead to unit failure, damage, or failure. It can also cause the floor to get wet, creating the risk of injury and damage to health from unwanted slipperiness. The manufacturer, distributor or dealer is not liable for such damages. We recommend using the **HL 138** concealed siphon designed for air conditioning units in the condensate drain. This must be located min. 20 cm below the condensate outlet from the dehumidifier. The pictures below show more.

Warning: ***Condensed water from the dehumidifier must not be collected in the collecting container and drunk! Condensed water from the dehumidifier must not be returned to the pool!***



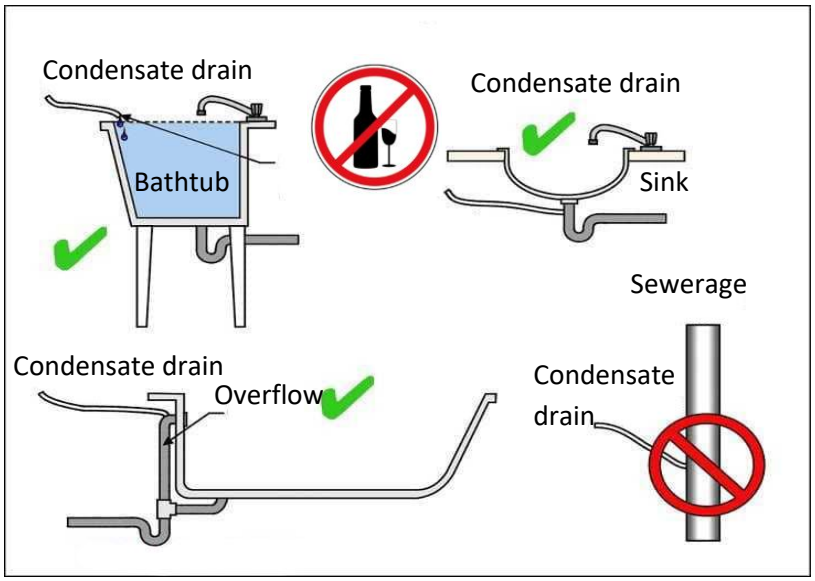


Proper installation of condense hose



Improper installation of condense hose

CONDENSATE DRAIN



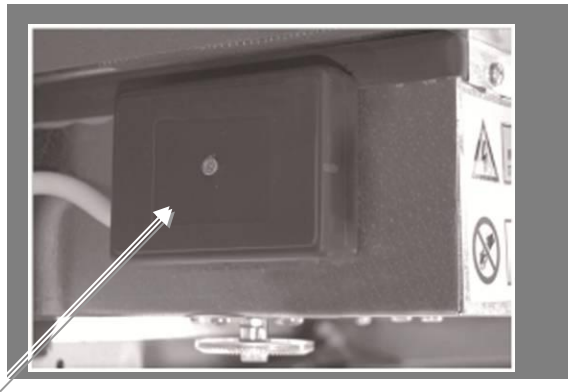
5.5 Main power supply connection

Main electrical connection for fixed cable in wall

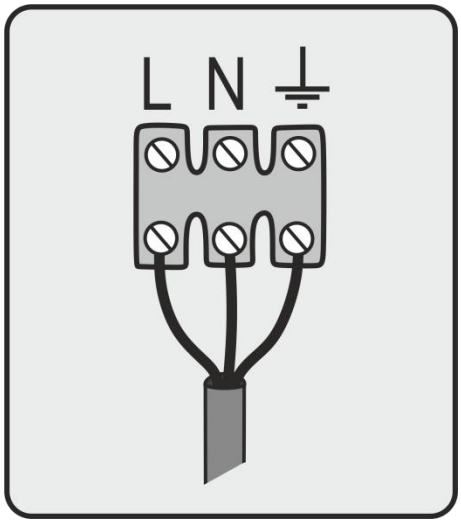
As standard, the dehumidifiers are connected to a fixed cable in the wall. Connecting the device to an electrical network must comply with the relevant security standards. Connection requirements include usage of the circuit breaker and residual current device (RCD) with a rated residual current not exceeding 30 mA. The main switch of the device must be located outside the pool hall. The main switch of the appliance must be bipolar with the switch of the L and N wires. The appliance must be placed on a solid surface to disconnect the appliance from the mains. The distance between the contacts, when switched off, must be at least 3 mm for all poles.

The appliance must be connected to the mains by a certified electrician.

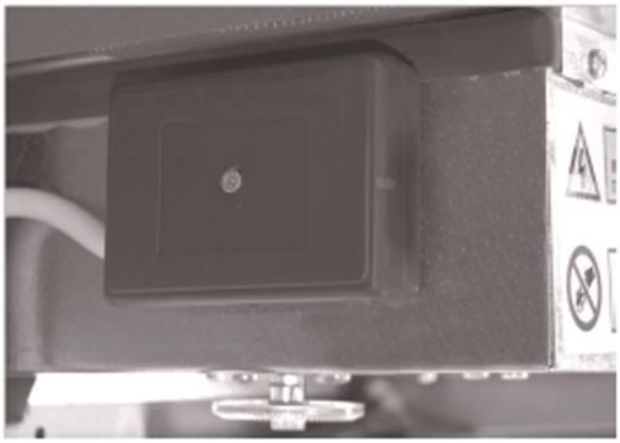
Mind all electrical safety precautions.



The mains terminal block is located in this black box



Standard terminal block - L, N, ground



MAIN ELECTRICAL CONNECTION OF THE DEHUMIDIFIER
230V/50Hz/1f
3x 2.5mm2 CYSY
Circuit breaker 10-16-20A type C
RCD 30mA

Main power supply		
Dehumidifier type	El. cable	Circuit breaker
DRY 300	CYSY 3x 1,5 mm^2	10 A type C
DRY 400	CYSY 3x 1,5 mm^2	10 A type C
DRY 500	CYSY 3x 2,5 mm^2	16 A type C
DRY 800	CYSY 3x 2,5 mm^2	16 A type C
DRY 1200	CYSY 3x 2,5 mm^2	20 A type C

El. connection of a potential-free contact for a cooperating hot water heating system		
Dehumidifier type	El. cable	Power supply
DRY 300/400/500/800/1200	CYSY 2x 1,5 mm^2	via contactor

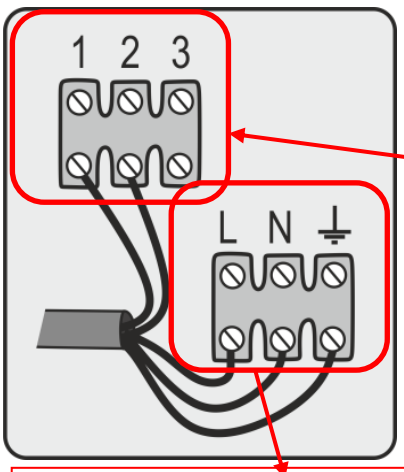
Electric heating element connection		
Dehumidifier type	El. cable	Circuit breaker
DRY 300/400/500/800/1200	CYSY 3x 2,5 mm^2	16A

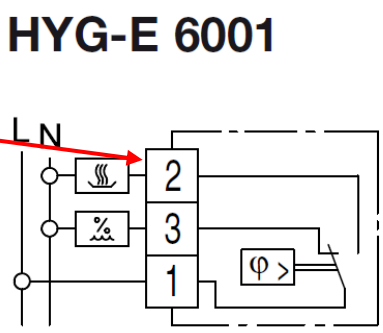
El. connection of wire humidistat and thermostat	
Model	El. cable
HYG6001	CYSY 4x 1,0 mm^2
HYG7001	CYSY 5x 1,0 mm^2

El. connection of external humidistat and thermostat

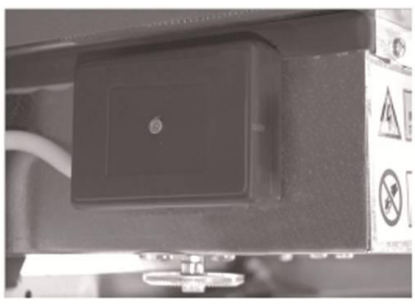
The connection of the EBERLE HYG6001 (HYG7001) cable remote humidistat is made at the installation site. The manufacturer does not supply the connecting cable.

EBERLE HYG6001 connection for DRY 300/400

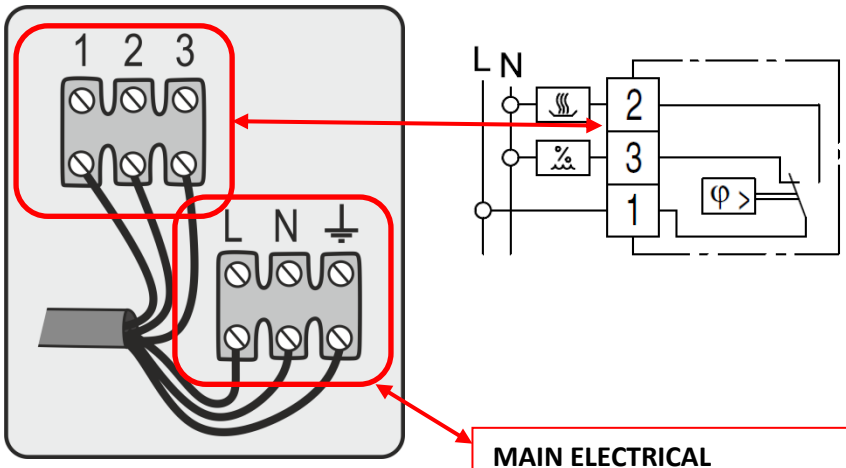




MAIN ELECTRICAL CONNECTION OF THE DEHUMIDIFIER
230V/50Hz/1f
3x 2.5mm2 CYSY
breaker 10A type C
circuit breaker 30mA

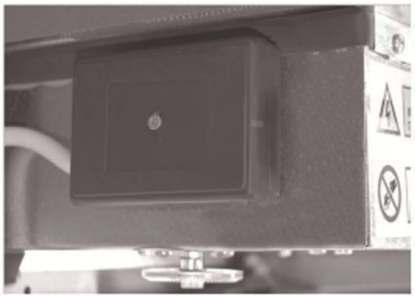


EBERLE HYG6001 connection for DRY 500

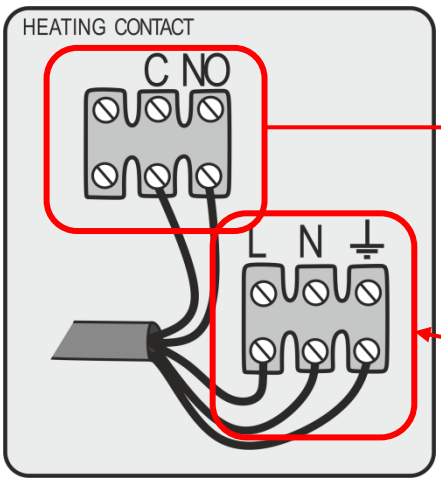


Black box from the SIDE of the electrobox

MAIN ELECTRICAL CONNECTION OF THE DEHUMIDIFIER
230V/50Hz/1f
3x 2.5mm2 CYSY
breaker 16A type C
circuit breaker 30mA



EBERLE HYG7001 connection for DRY 300/400

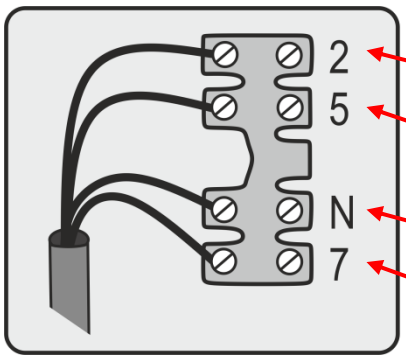


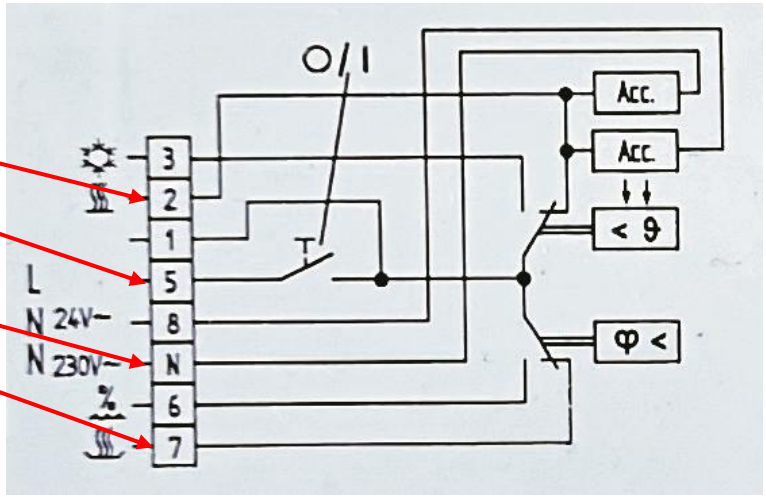
Black box from the SIDE of the electrobox

POTENTIAL-FREE CONTACT

- **NO / Normal Open /**
- **If the air is heated, then C / closed /**

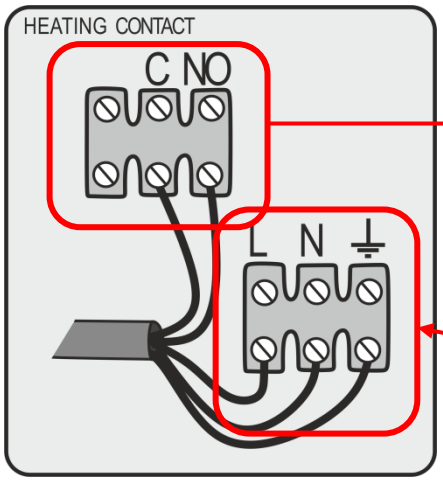
MAIN ELECTRICAL CONNECTION OF THE DEHUMIDIFIER
230V/50Hz/1f
3x 2.5mm2 CYSY
Breaker 10A type C
Circuit breaker 30mA





Black box from the FRONT of the electrobox

EBERLE HYG7001 connection for DRY 500



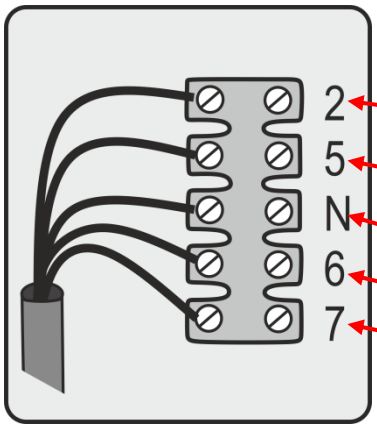
Black box from the SIDE of the electrobox

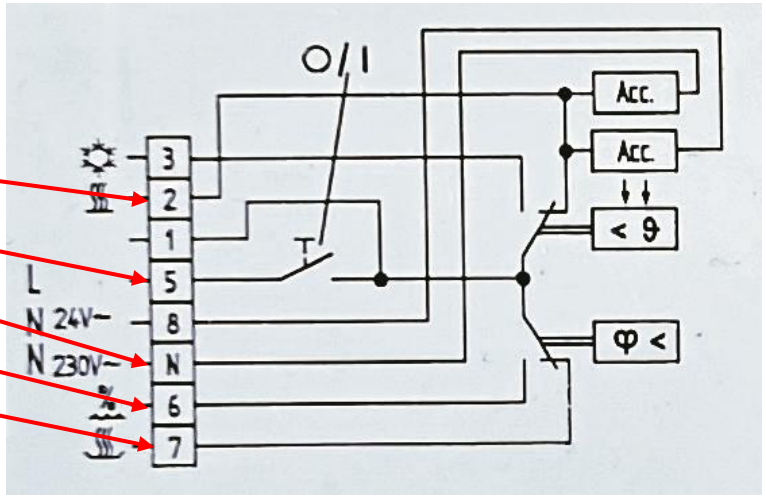
POTENCIAL-FREE CONTACT

- **POTENTIAL CONTACT- NO / Normal Open /**
- **- If the air is heated, then C / closed /**

MAIN ELECTRICAL CONNECTION OF THE DEHUMIDIFIER

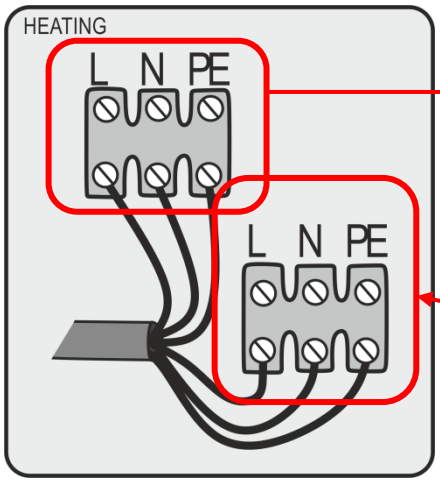
230V/50Hz/1f
3x 2.5mm2 CYSY
breaker 16A type C
circuit breaker 30mA





Black box from the FRONT of the electrobox

Electric heating element connection for DRY 300/400/500



Black box from the SIDE of the electrobox

EL. HEATING POWER SUPPLY

230V/50Hz/1f
Cable: 3x2.5mm2 CYSY
Power consumpation: 2kW (DRY300/400), 3kW (DRY500)
Circuit breaker: 16A

MAIN ELECTRICAL CONNECTION OF THE DEHUMIDIFIER

230V/50Hz/1f
Cable: 3x 2.5mm2 CYSY
Breaker: 10-16A type C
Circuit breaker: 30mA

The functions and operation of the remote humidistat are described in a separate enclosed manual.

Main electrical connection to the flexible cable to the electrical outlet

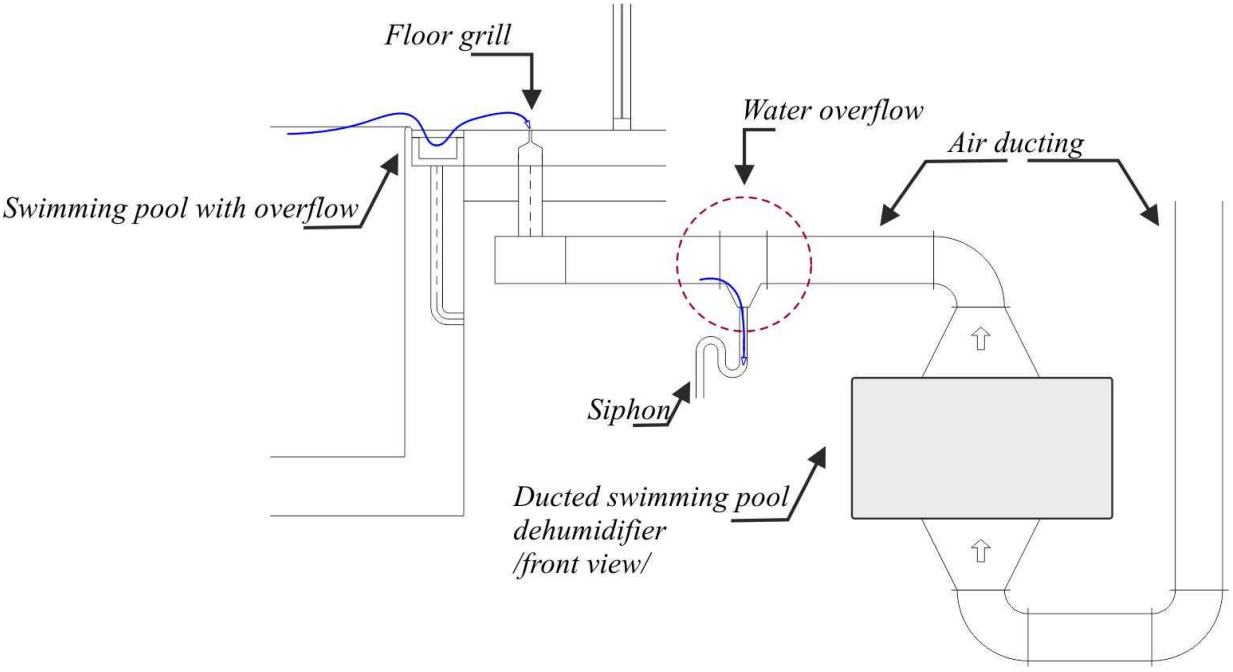
Models with a mobile stand on the floor are supplied with a flex cord for connecting a socket up to 220-240 V / 50 Hz / 1f. The socket must be designed for humid environments and separately protected: a 16A circuit breaker (DRY 300/400/500) with a residual current device (RCD) with a rated residual current not exceeding 30 mA.

Connection to air ducting

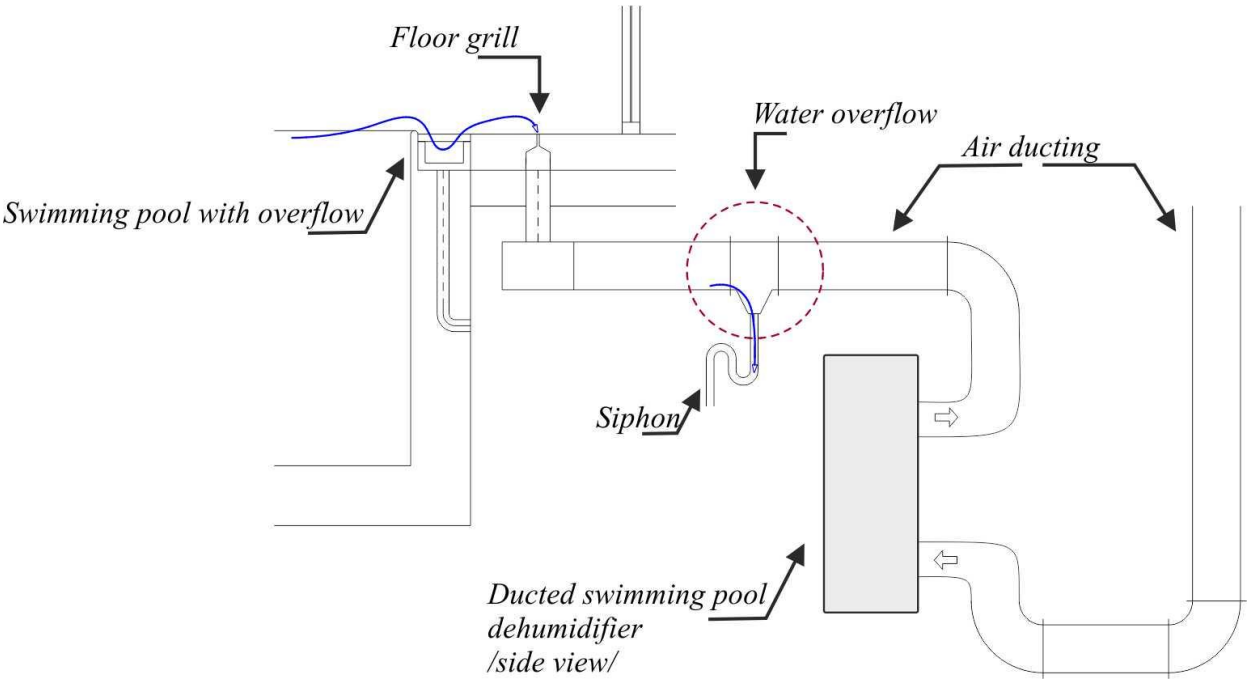
Air ducting needs to designed with focus on pressure drop. The pressure drop needs to be lower than the disposable pressure created by the unit (shown in section technical data). Air ducting is to be connected to the unit's cover which has matrixes type M6 ready to hold the screws. The air inlet/outlet cover cut-outs are in dimensions of 300x100mm (DRY 300/400DUCT), 500x100mm (DRY 500DUCT), 700x100mm (DRY 800/1200DUCT) or alternatives when connected from the front.
In order to prevent the pool or waste water entering the air ducting on the floor, it is necessary to install a **drainage part in air ducting**. It is necessary to ensure this mainly in the case the air is supplied to the pool hall with the floor grills. We advise to add a siphon to the water drop if the water is drained into the sewage drain, to prevent odour from the sewage piping into the air supply line (see picture below).
It is suggested to drain the water from siphon into an external drain, pool compensation tank etc. If the water will be drained into a sewer system, it is advised to regularly fill the siphon with water to avoid unpleasant odor.

Please note that it is forbidden to pour waste water, e.g. When washing the floor in the swimming pool, into the floor grills. Overflow in the air supply ducting prevents the water from entering the pool dehumidifier where it could cause damage to the equipment.

DRY 300-400-500 DUCT



DRY 800-1200 DUCT



LPHW heating coil for additional heating – on demand

The LPHW heater element is supplied on demand only. Connection of the LPHW onto the LPHW plumbing is carried out similarly to the installation of radiators. On the feeder pipe, it is connected by a control valve and on the return pipe by a closing screw joint. The LPHW is not supplied with a control valve and a screw joint; these are supplied by the supplier of the heating.

The dehumidifier can be equipped with Solenoid valve on demand. In combined use together with LPHW, the dehumidifier has the functionality of individual heating appliance (fan coil), i.e. fan works independently with the compressor (humidistat) and independently with LPHW (thermostat).

If you chose LPHW with your dehumidifier without built-in digital humidistat & thermostat and without remote wireless humidistat & thermostat, there is a risk of dehumidifier overheating. Overheating may occur if hot water flows into LPHW also in the time when the dehumidifier does not dehumidify (fan off). Normally, with built-in or remote humidistat & thermostat and original solenoid valve, the dehumidifier controls the hot water inflow automatically thus effectively avoids overheating damage. Without original thermostat and/or solenoid valve it is necessary to ensure proper and effective regulation of hot water inflow. Manufacturer, distributor or reseller do not bear responsibility for damage resulting from not following above instructions.

LPHW connection options (from the back or from right) are described in section "Unit's dimensions".

DRY 300/400 LPHW nominal heating outputs

	Heating output: /W/
90/70/30 °C	3500
80/60/30 °C	3005
70/50/30 °C	2240
55/45/30 °C	1550
45/35/30 °C	665

DRY 500 LPHW nominal heating outputs

	Heating output: /W/
90/70/30 °C	5000
80/60/30 °C	4200
70/50/30 °C	3350
55/45/30 °C	2150
45/35/30 °C	1005

DRY 800/1200 LPHW nominal heating outputs

	Heating output:/W/
90/70/30 °C	7000
80/60/30 °C	6200
70/50/30 °C	4350
55/45/30 °C	3005
45/35/30 °C	1650

After installing the LPHW plumbing and leading the LPHW into the element under pressure, it is necessary to bleed the heater element. The bleeding valve is located on the feeder pipe of the LPHW heater element.
If Solenoid valve was supplied originally with the unit, please make sure it is properly connected to water circuit. Otherwise, the unit may suffer from overheating resulting malfunction or damage.

It is highly advised to insert manual valves into water piping in between the LPHW and water piping leading to a heat source /e.g. gas boiler/. This will allow easy and quick dehumidifier disconnection from heating system.

Hot gas defrost (DRY300/ DRY400/ DRY500DUCT) – on demand

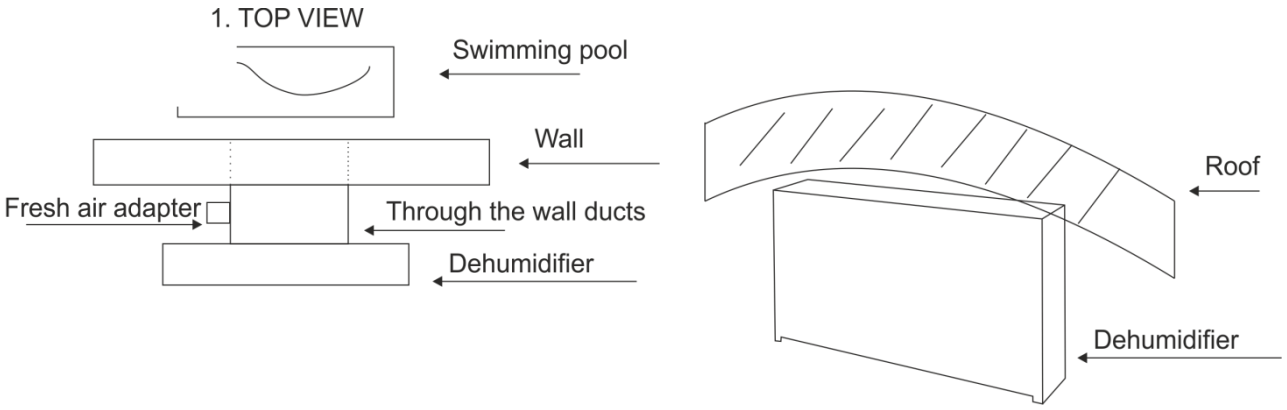
Hot gas defrost allows the dehumidifier to operate effectively at air temperatures down to 5°C. It is designed for heavy duty low air temperature operations. Although the efficiency of the device concerning the extraction rate versus energy consumption by 5°C ambient air temperature conditions is low, the dehumidifier will still operate normally. If your dehumidifier is equipped with hot gas defrost accessory, then the gas circuit is equipped with 4-way valve. When temperature on evaporator drops below zero, system starts to count 30 minutes of a time. After this period, the evaporator temperature is checked again and if the current temperature is still below zero, the compressor and the ventilator are turned off. Dehumidification stops. Gas circuit is reversed and after 3 min the compressor starts. System now defreezes the unit for 3 minutes. After another 3 minutes, if the defrost cycle is completed, the unit goes into usual operations. In extremely low temperatures and in still humid enough air it is normal to take 2 or 3 defreezing cycles to complete the procedure.

External installation

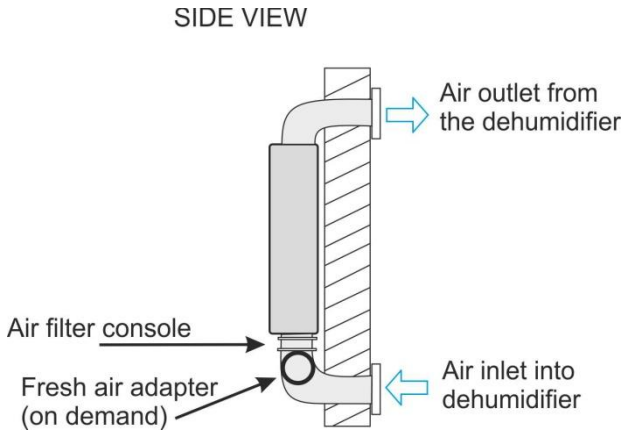
Your Microwell dehumidifier can be installed outdoors if you ordered it with an outdoor kit. In such case the dehumidifier is equipped with additional compressor heater, condensate tray defrosts and the whole unit is specially insulated with thicker layer of thermal insulation to avoid condensation on its structure.

The insulation is to avoid condensation on the chassis of the unit. It is advised to install protection roof above the unit. It is strongly advised to thermally insulate air ducting.

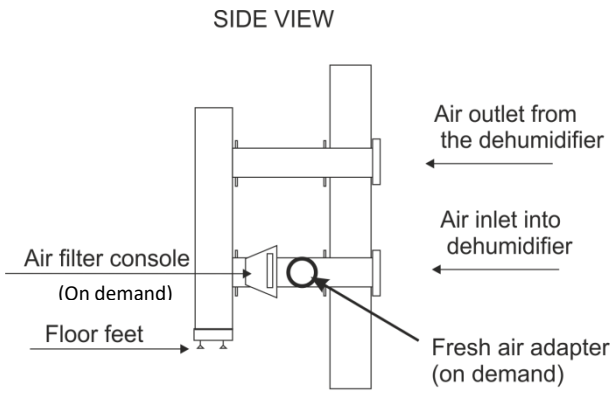
Please proceed as per below when installing the through the wall:

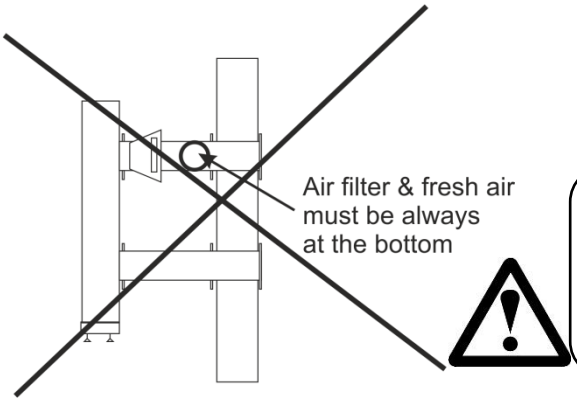


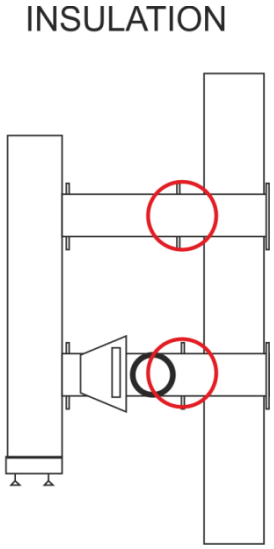
DRY 300-400-500 DUCT



DRY 800-1200 DUCT







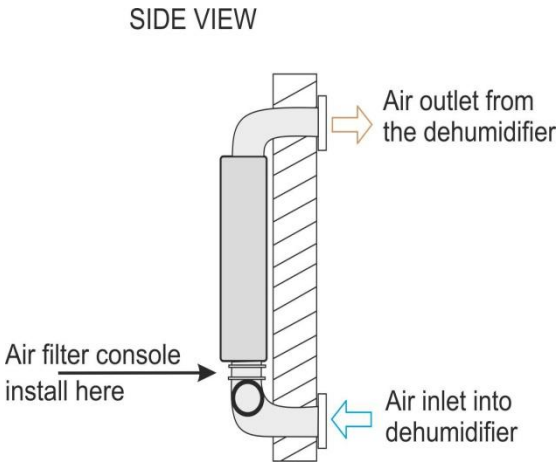
Always insulate the exceeding parts of the air ducting in order to avoid condensation on the ducts' structure.

Remark for outdoor installation: Although your dehumidifier unit is equipped with special thermal insulation, antifreeze protectors and its chassis is made from galvanized metal powder coated by enamel at 180°C, it is advised to avoid a direct sunlight, rain or snow to fall onto the unit. We thus advise installing a small roof or install a unit under a staircase.

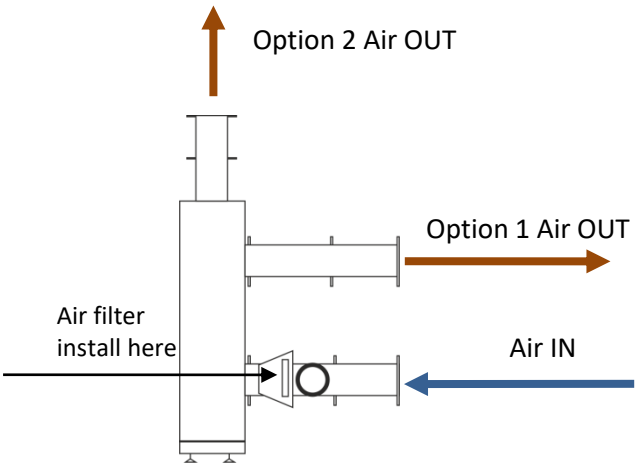
Air filter – on demand

Your dehumidifier could be equipped with air filter if so this is G3 class (10µm). You will receive together with unit a filtration cassette. Always install the filter at AIR IN side.

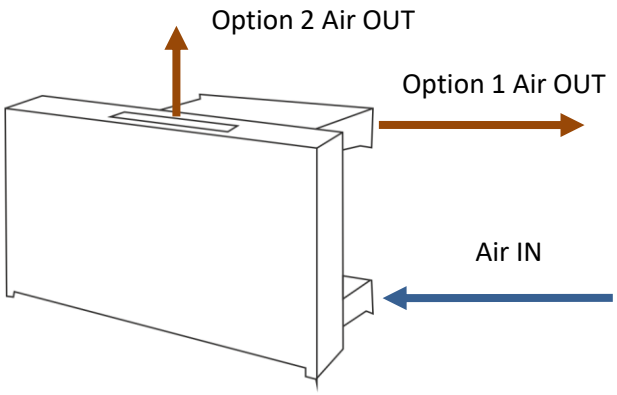
DRY 300-400-500 DUCT example of air filter installation



DRY 800-1200 DUCT examples of air filter installation



Side view



Diagonal view

Air filter replacement

1.Remove the screws. 2. Remove the filter cover. 3. Pull out the filter. 4. Replace the filter.



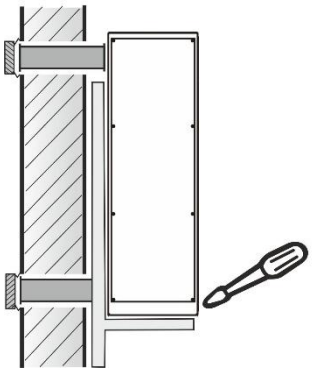
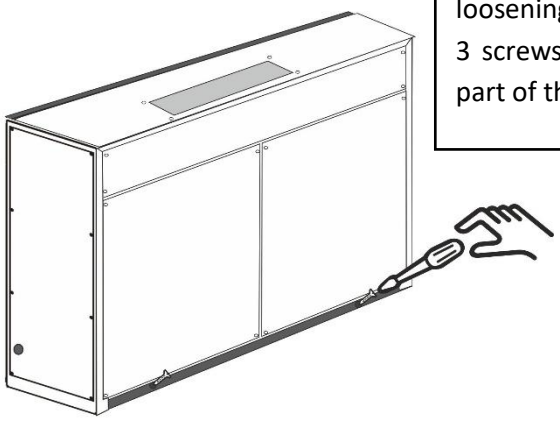

Put a new air filter and follow the same procedure, but in reverse order.

Cover removal

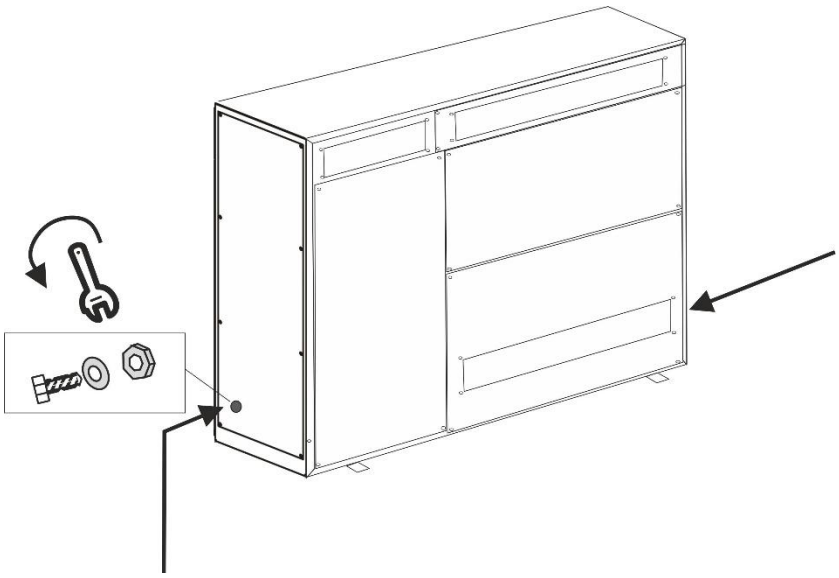
Lower the side cover caps, unscrew and remove the side cover screws.

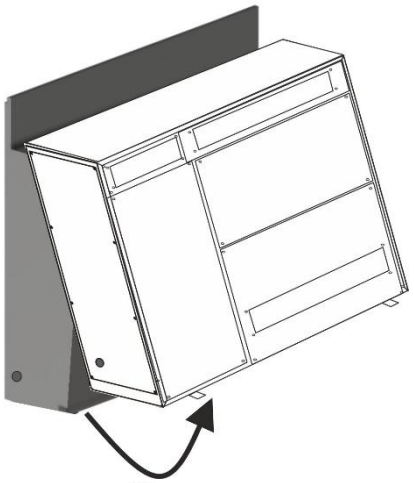
DRY 300-400-500 DUCT

The cover can be removed after loosening 2 screws (DRY 300/400) or 3 screws (DRY 500) on the bottom part of the device.

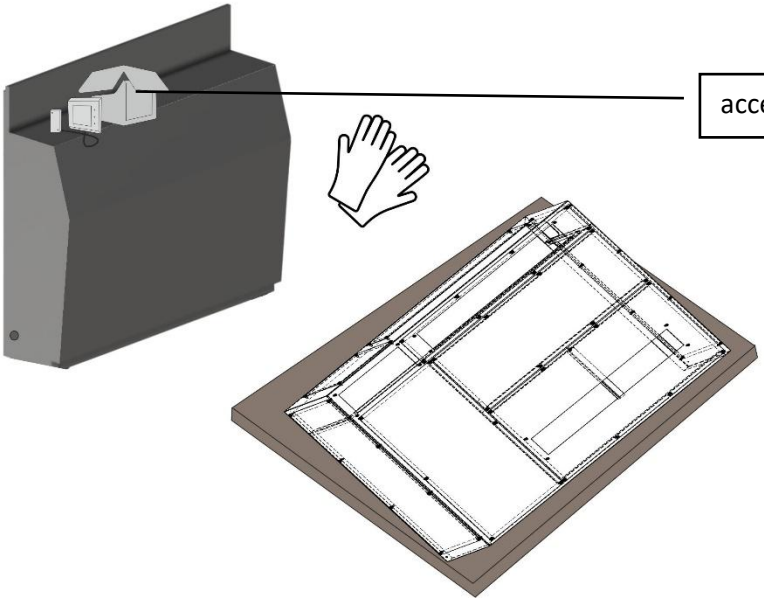



DRY 800-1200 DUCT



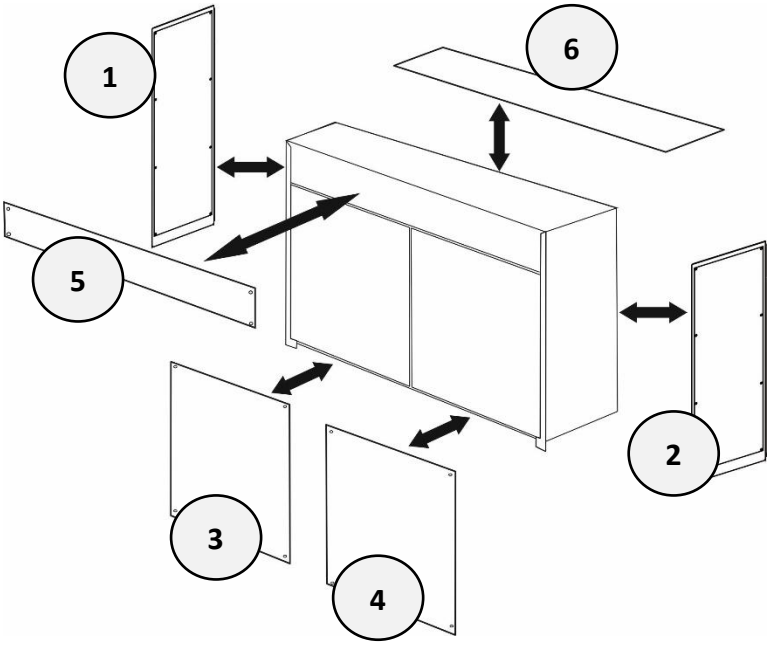


Lift the cover as shown in the illustration. Disconnect the connectors on the display on the left side under the cover.



Place the cover sideways on a foam pad or cardboard so that you do not scratch the cover on the floor. Use soft gloves when handling the kit.

Possibility to dismount DRY DUCT



Position	Component
1-Left side	**Electro set**
2-Right side	**Expansion, LPHW, Connection, 4-way valve**
3-	**Compressor + Electro box**
4-	**Evaporator + Condensate tray, Fan Coil**
5-	**Condenser, LPHW, El. coil**
6-Top	**LPHW, El. coil, Condenser**

Your Microwell DUCT dehumidifier allows you to access, inspect, maintain or service inner parts of the dehumidifier without necessity to de-install the air ducting and/or unit main chassis cover. This allows the maintenance or service to be easier and faster. Each compartment is affixed with 4 or 6 screws.

6. TECHNICAL DATA

6.1 Technical data table *

DATA	UNIT	DRY 300 DUCT	DRY 400 DUCT	DRY 500 DUCT	DRY 800 DUCT	DRY 1200 DUCT
For swimming pools with max. water surface	m^2	30	40	50	80	110
Exctraction rate at 30°C and 60 % RH	l/24hrs	32	43	52	88	112
Exctraction rate at 30°C and 70 % RH	l/24hrs	37	49,8	60	115	140
Exctraction rate at 30°C and 80 % RH	l/24hrs	43	56,2	68	135	170
Operational temperature - standard	°C	22-35	22-42	22-35	22-35	22-35
Operational temperature - antifreeze stat	°C	15-35	15-42	15-35	15-35	15-35
Operational temperature - Thermostatic expansive valve (TEV)	°C	22-42	standard	22-42	-	-
Operational temperature - antifreeze stat + TEV	°C	15-42	15-42	15-42	-	-
Operational temperature - hot gas defrost	°C	5-35	-	5-35	-	-
Operational humidity range	% RH	20-100	20-100	20-100	20-100	20-100
Air flow	**m^3/h**	**500**	**500**	**1000**	**1100**	**1200**
EXTERNAL PRESSURE	**Pa**	**200**	**200**	**200**	**170**	**145**
Noise level (in 1m distance)	dB (A)	54	54	56	58	60
Heat output	W	1900	1900	3500	5100	5250
Energy consumption	W	800	800	1150	1700	2250
Voltage	V/ph/Hz	230-240/1/50	230-240/1/50	230-240/1/50	230-240/1/50	230-240/1/50
Operating / Starting current	A	6.5 / 18	6.5 / 18	6.5 / 30	7.6/50	10/50
Protection	A	16	16	16	16	20
Conductor	mm^2	CYSY 3C x 2.5	CYSY 3C x 2.5	CYSY 3C x 2.5	CYSY 3C x 2.5	CYSY 3C x 2.5
Condensed water pipe	mm	d 16	d 16	d 16	d 16	d 16
Dimensions netto (width x height x depth)	**mm**	**880 x 658 x 240**	**880 x 658 x 240**	**1245 x 660 x 255**	**1247 x 950 x 300**	**1247 x 950 x 300**
Dimensions brutto (width x height x depth)	mm	1315 x 735 x 345	1315 x 735 x 345	1315 x 735 x 345	1300 x 1020 x 370	1300 x 1020 x 370
Weight netto / brutto	kg	56 / 61	56 / 61	78 / 91	102/135	103/136
Amount of refrigerant - R 410 A	kg	0.55 (1.15t CO_2 ekv.)	0.60 (1.25t CO_2 ekv.)	0.75 (1.57t CO_2 ekv.)	1.4 (2.92t CO_2 ekv.)	1.6 (3.34t CO_2 ekv.)
Max. pressures in the system HP/LP	bar	28.5/8.5	28.5/8.5	28.5/8.5	35/12	35/12

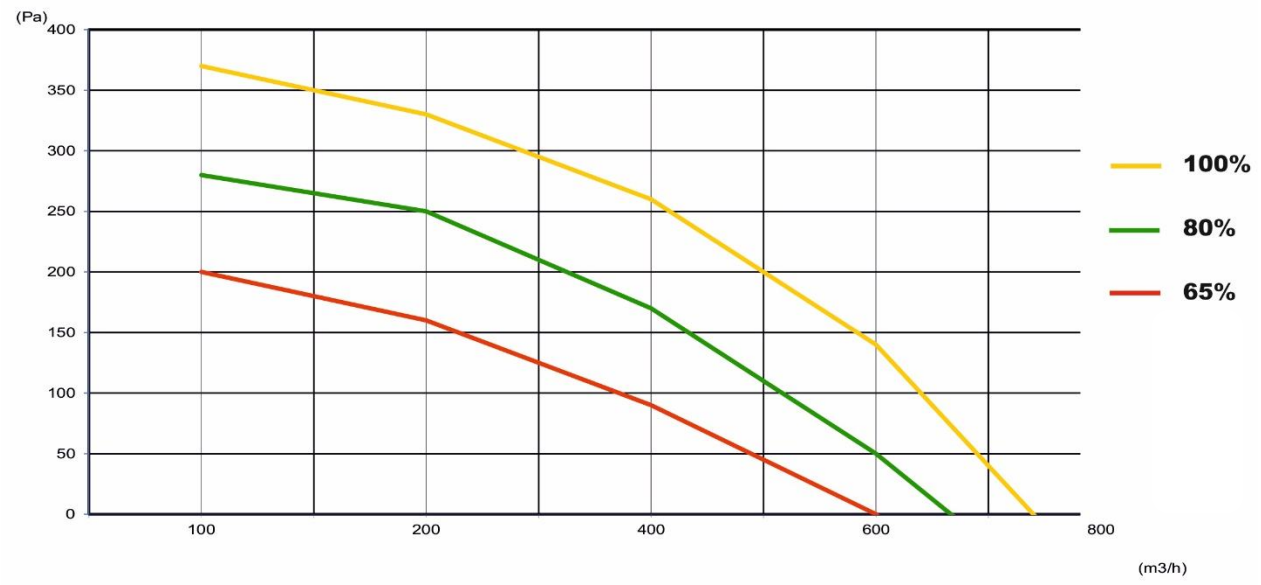
** Manufacturer reserves the right to change above data without notice.*

Gas circuit is filled with refrigerant R410A which is two-content refrigerant (R32/R125). Based on ES No. 842/2006 are these contents considered to be a fluorcarbon greenhouse gases. The unit contains fluorcarbo greenhouse gases included in Kyoto Protocol:

R410A with global warming potential (GWP) 1720:
(R-32/125 50/50)
CH_2F_2 + CF_3CHF_2
This information is informatory, for exact amount of refrigerant in your device, please turn to serial number sticker (located in the upper right corner of the unit from the back).

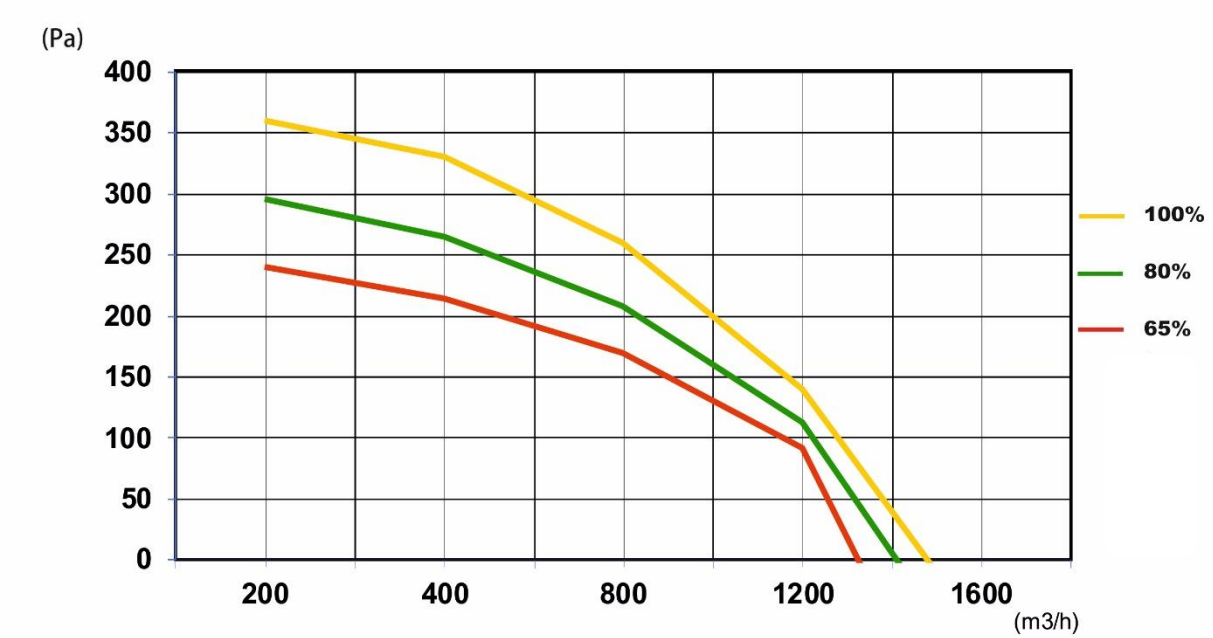
6.2 Ventilator & Extraction rate diagrams

DRY 300/400 DUCT

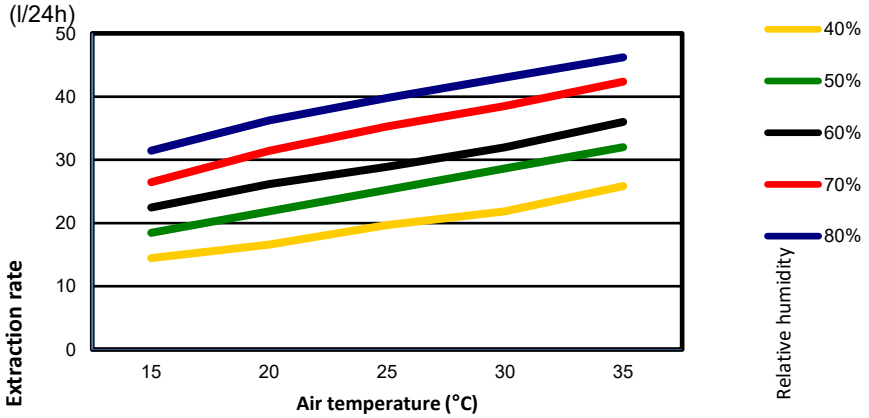


Each Microwell DUCT dehumidifier is supplied with manual fan speed control. This allows manual settings of its speed in range of 65~100%. This is used to optimize performance/noise level ratio by each particular installation. Use at maximum for beginning or testing. Once your installation is fully completed (with all air ducting elements), please adjust the knob left-rightwards to fit into your performance and noise level preferences.

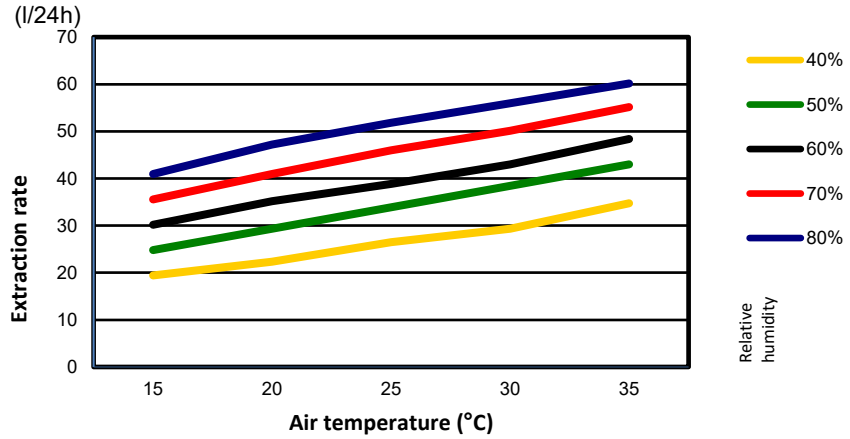
DRY 500/800/1200 DUCT



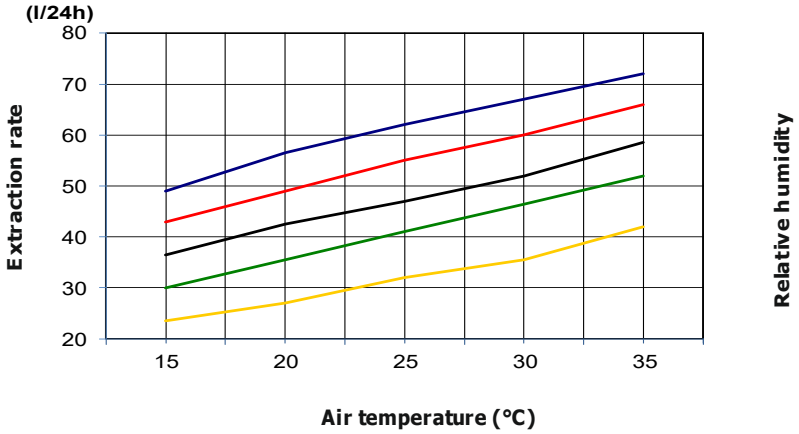
DRY 300 DUCT



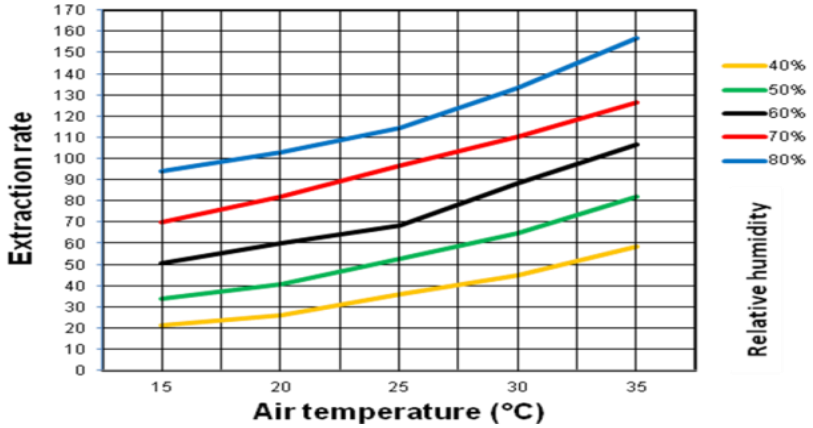
DRY 400 DUCT



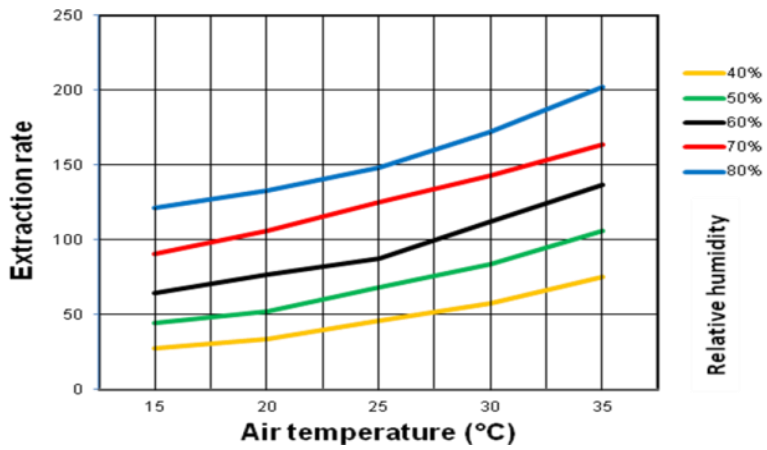
DRY 500 DUCT



DRY 800 DUCT



DRY 1200 DUCT

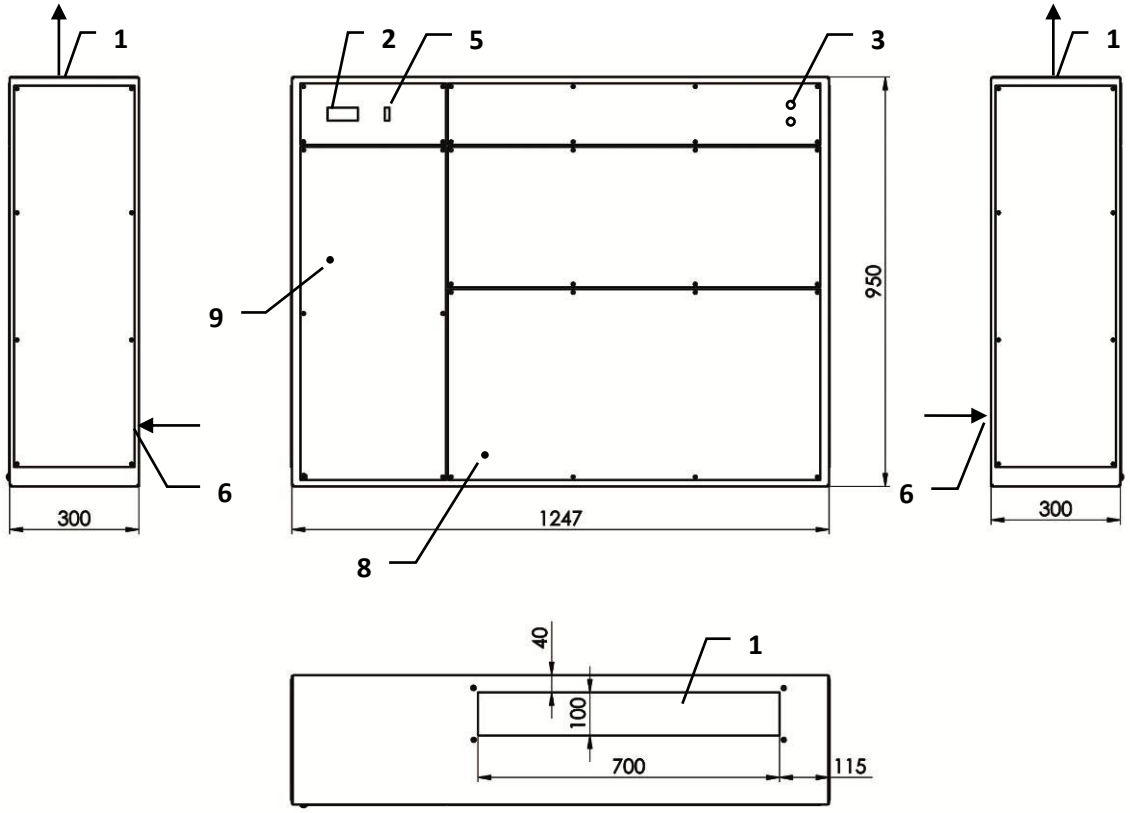


LEGEND:

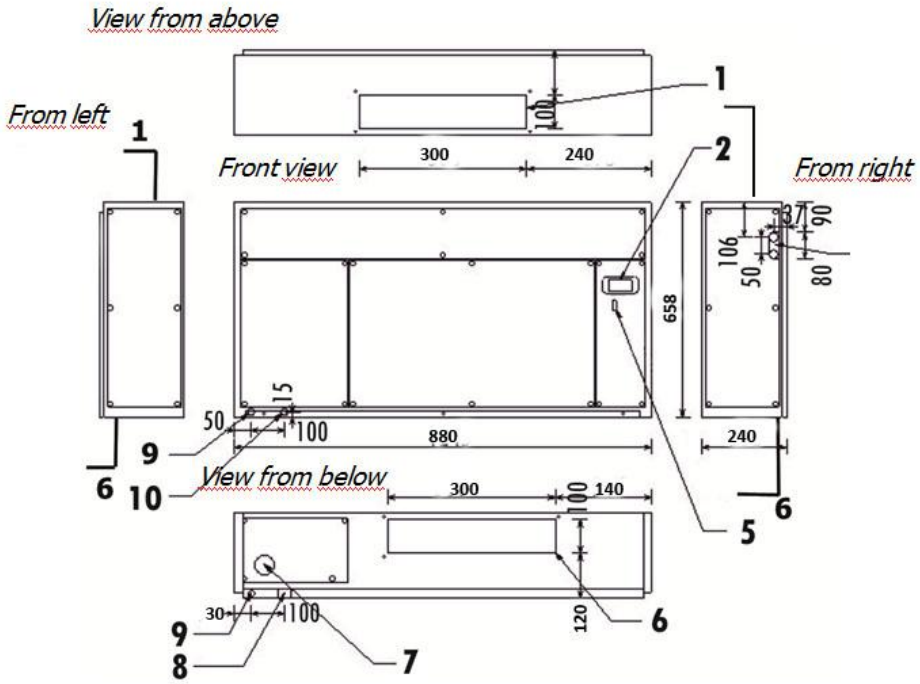
1 - DRY AIR OUTLET
2 - DIGITAL HUMIDITY REGULATOR
3 - LPHW CONNECTOR – ON DEMAND
5 - MAIN SWITCH
6 - HUMID AIR INLET
7 - AUXILIARY MECHANICAL HUMIDISTAT
8 - CONDENSATE DRAIN FROM THE BOTTOM
9 - ELECTRICITY CONNECTION
10 - CONDENSATE DRAIN FROM BEHIND

6.3 Unit´s dimensions

DRY 800/1200 DUCT

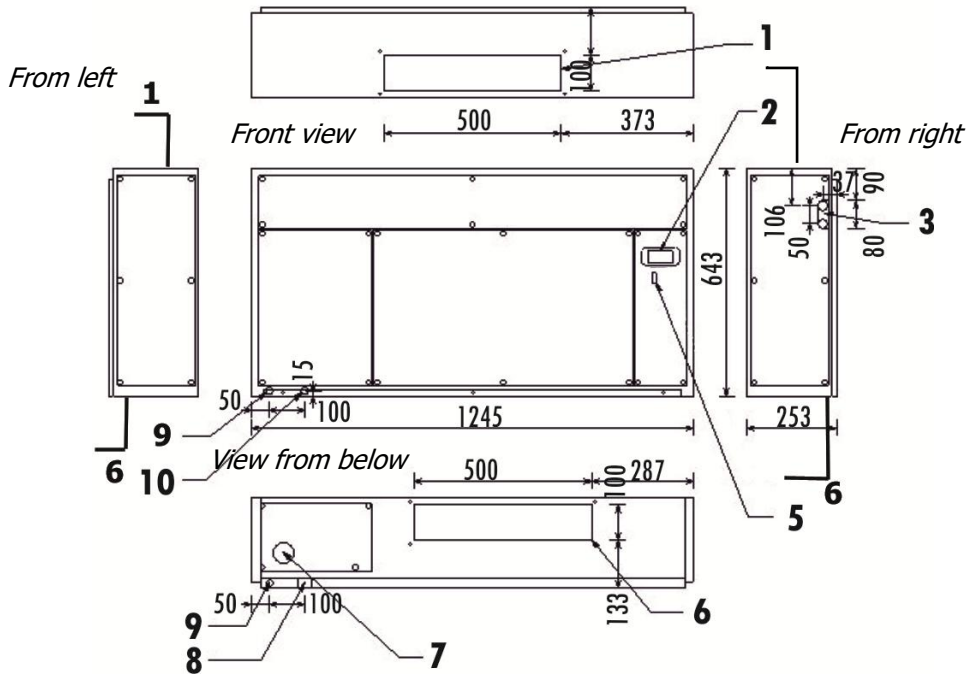


DRY 300/400 DUCT



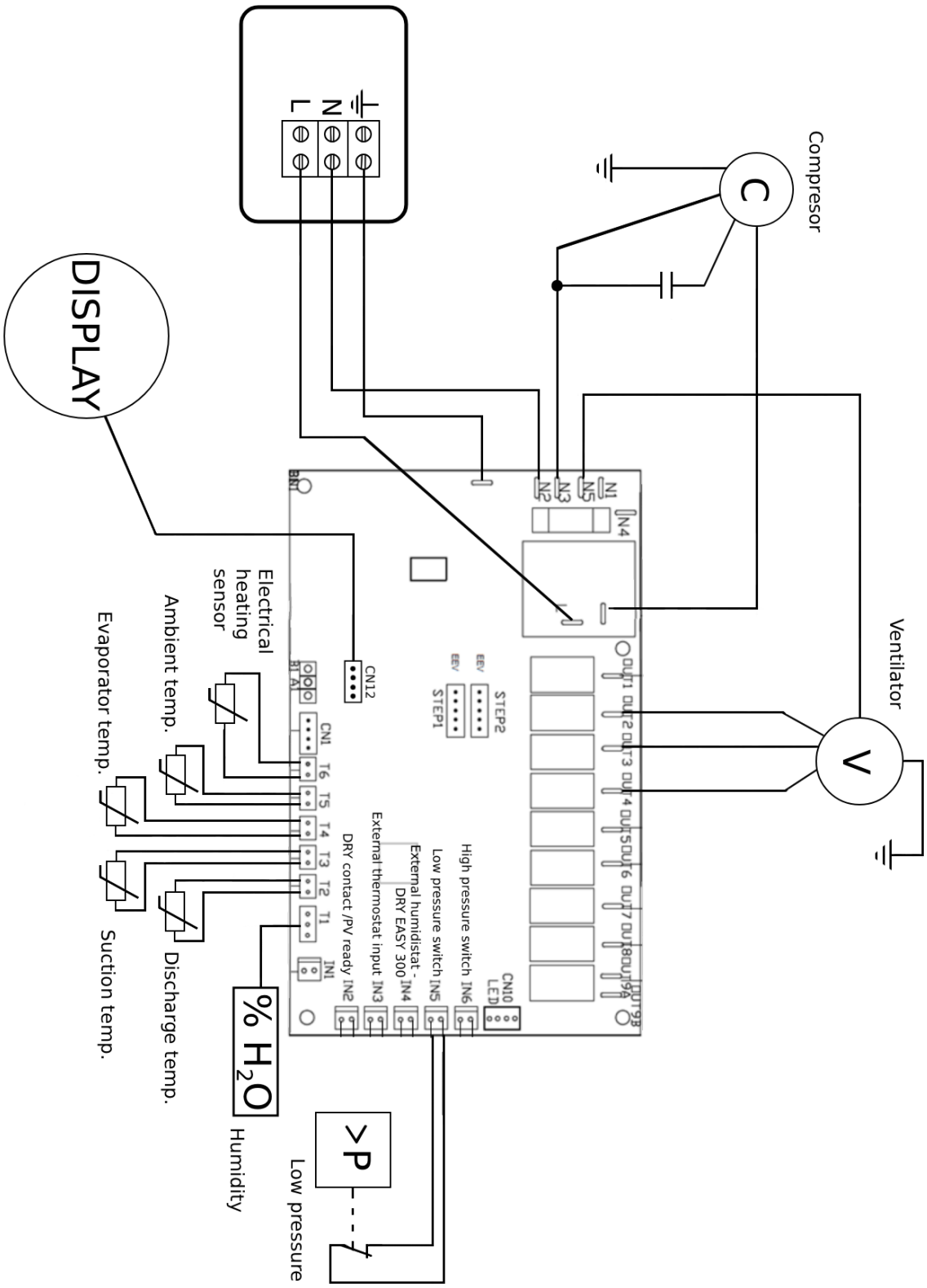
DRY 500 DUCT

View from above



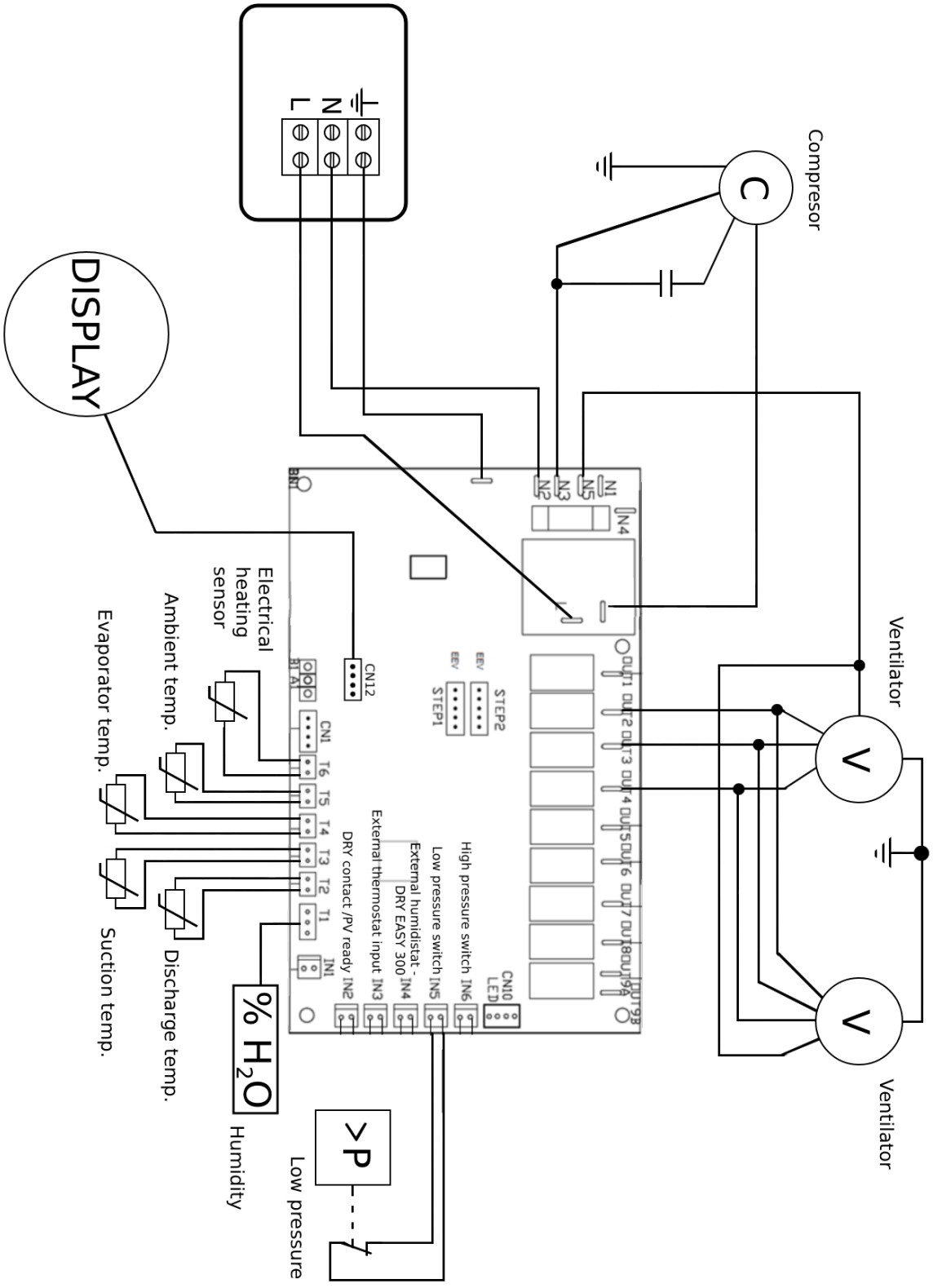
6.4 ELECTRICAL CONNECTION SCHEME of DRY 300/400 – BASIC PCB CONNECTION of DRY 300

DRY 300, 400 (2026)



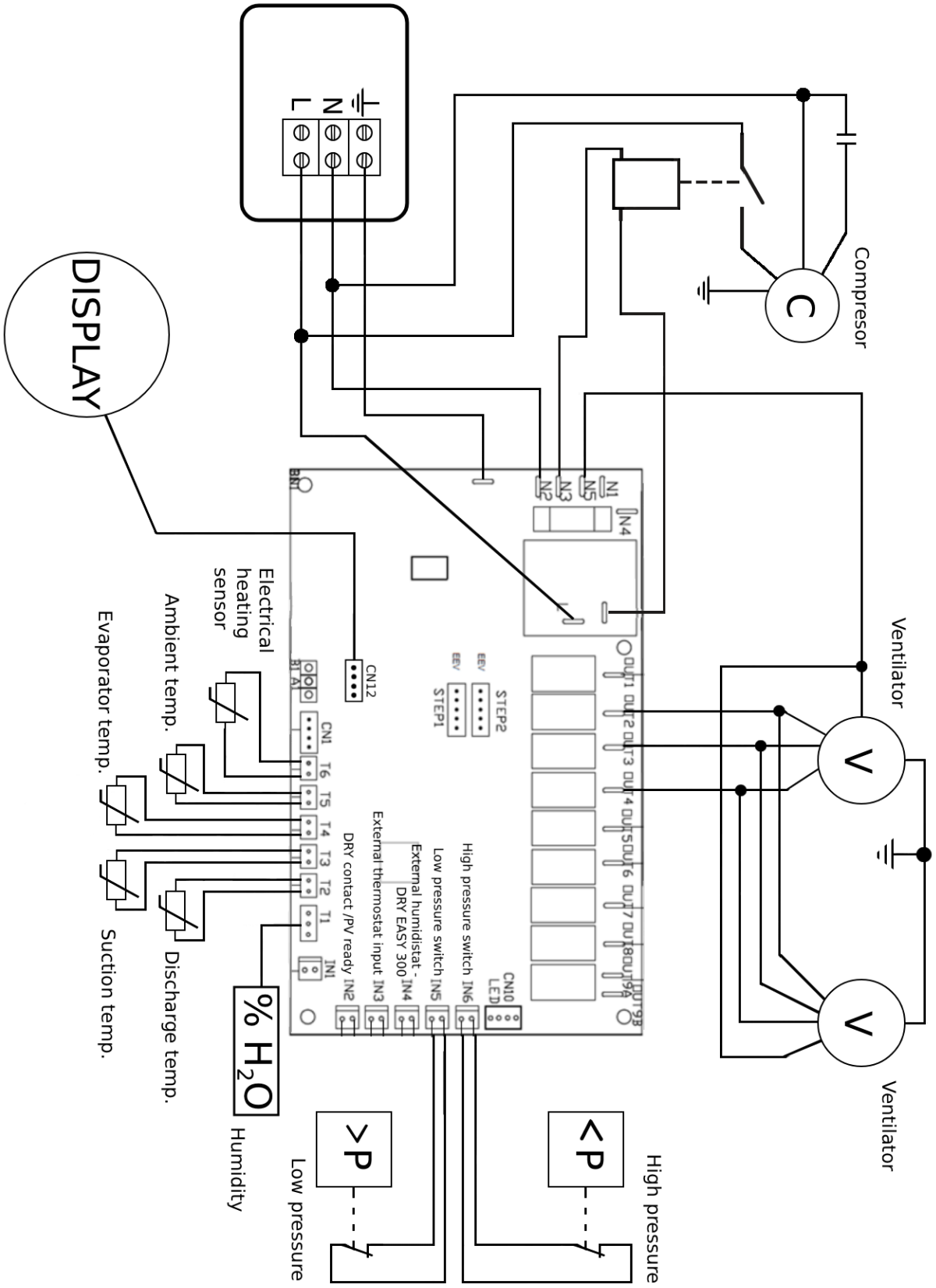
ELECTRICAL CONNECTION SCHEME of DRY 500 – BASIC PCB CONNECTION of DRY 500

DRY 500 (2026)

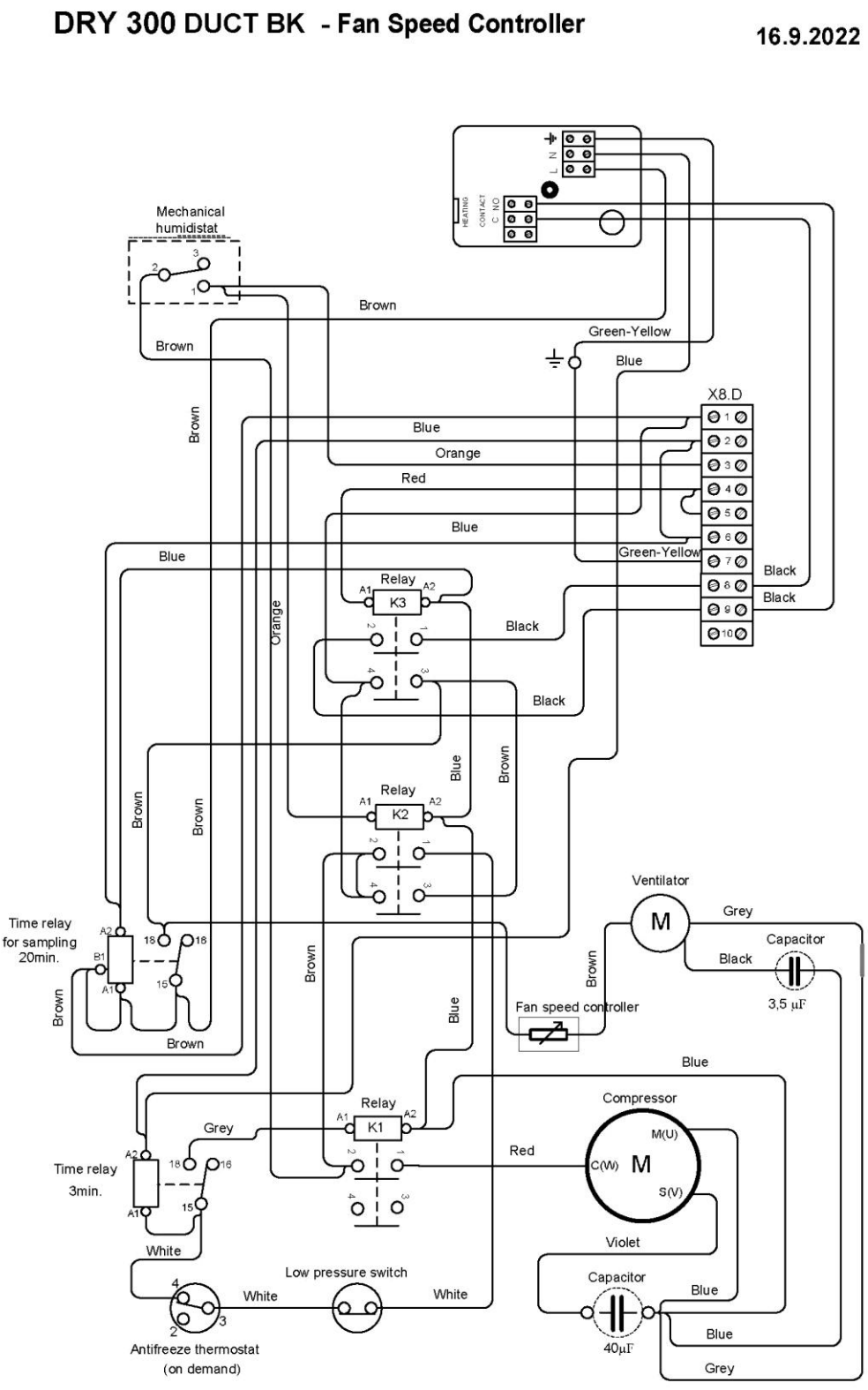


EL. CONNECTION SCHEME DRY 800, 1200 – BASIC PCB CONNECTION

DRY 800, 1200 (2026)

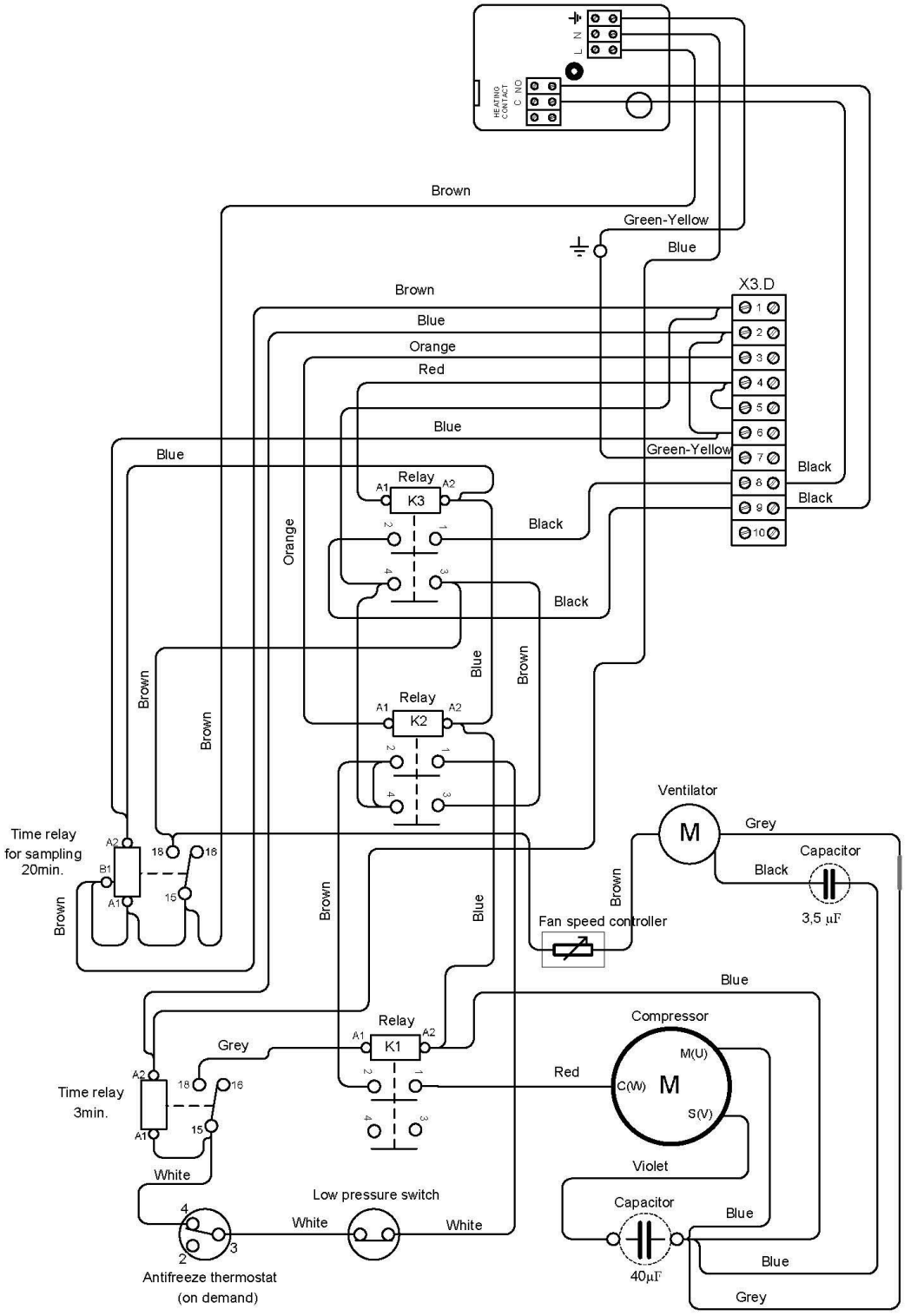


Schemes for older units (DRY 300, 400, 500, 800, 1200)

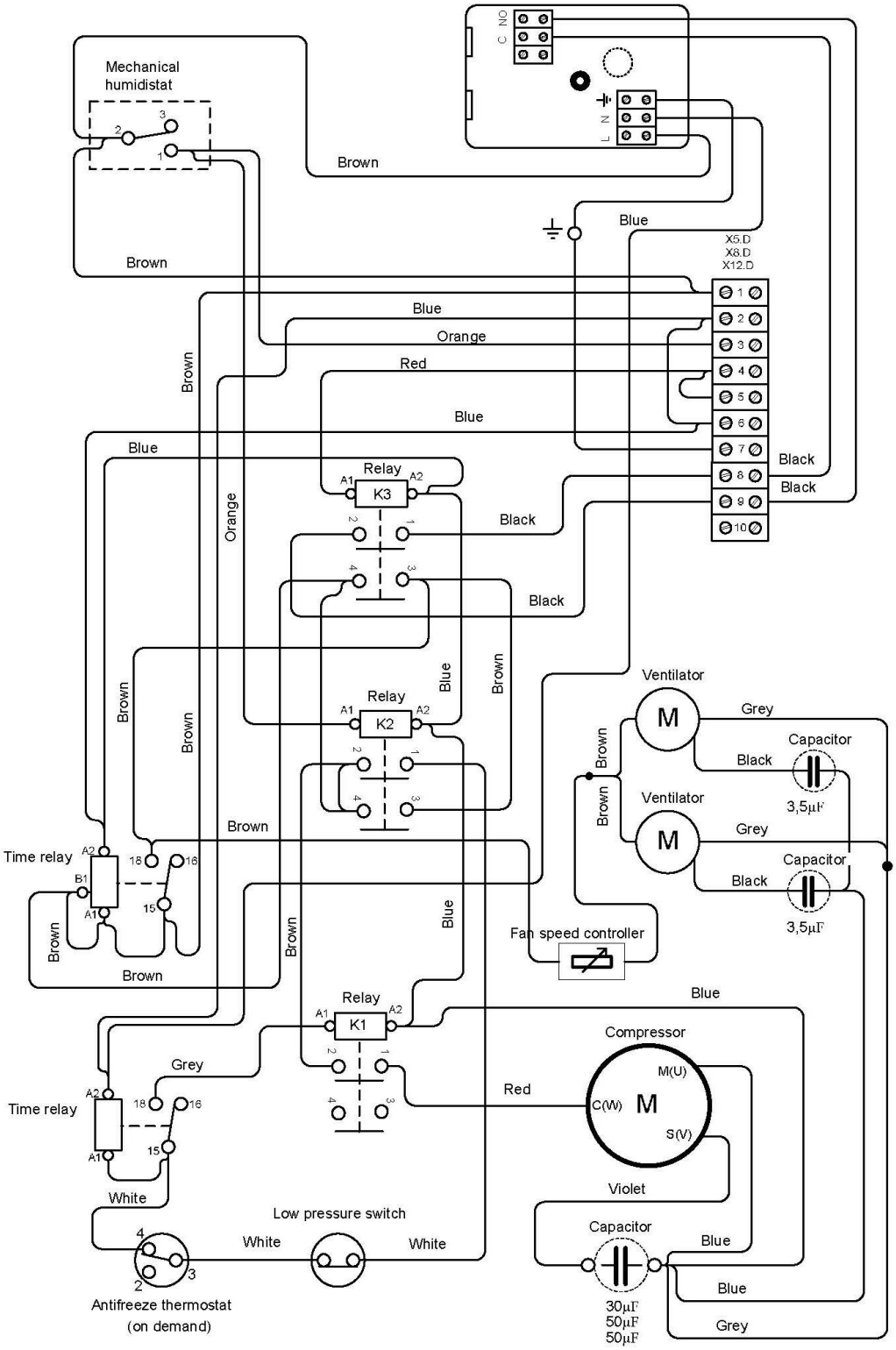


DRY 300 DUCT BK - Fan Speed Controller without Hygrostat

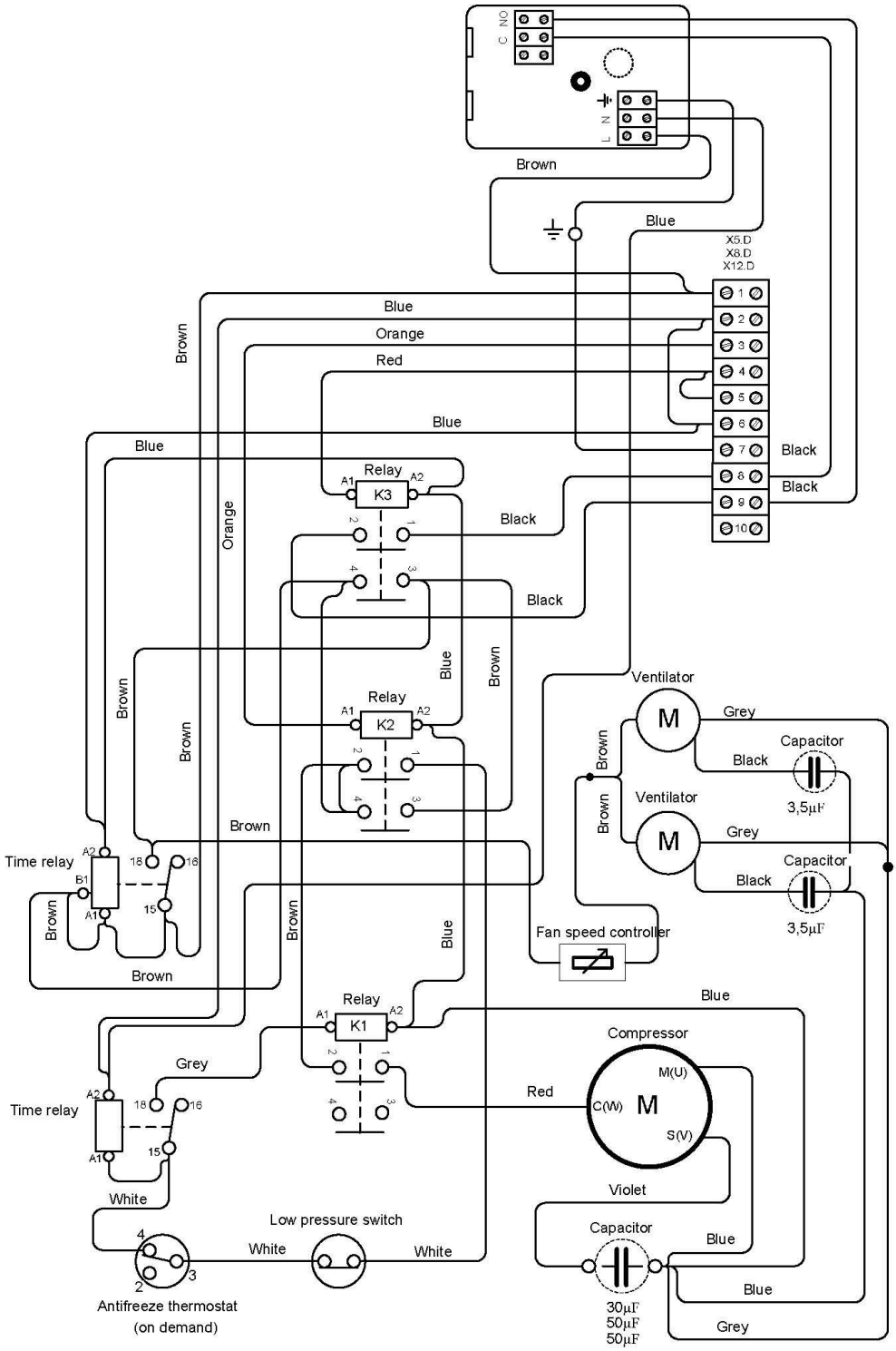
16.9.2022



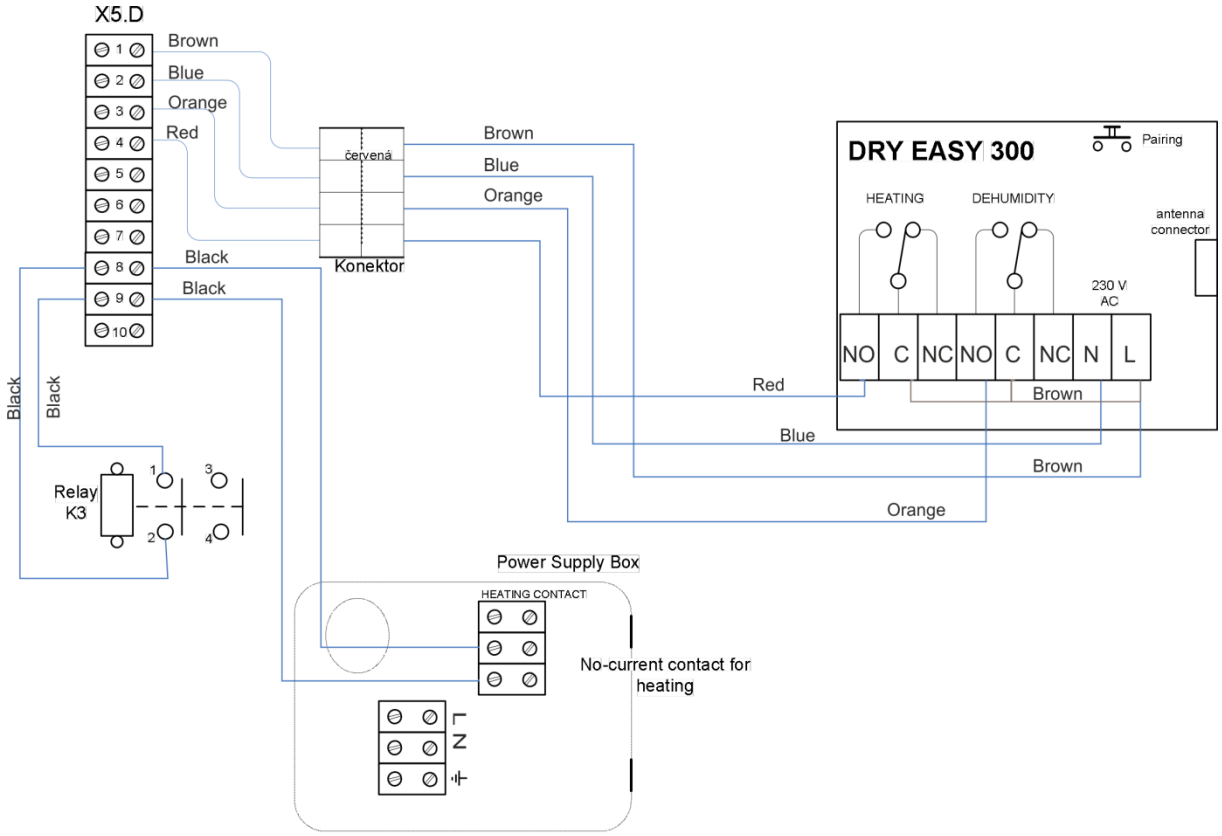
DRY 500,800, 1200 DUCT /voltage-free contact/ 16.9.2022



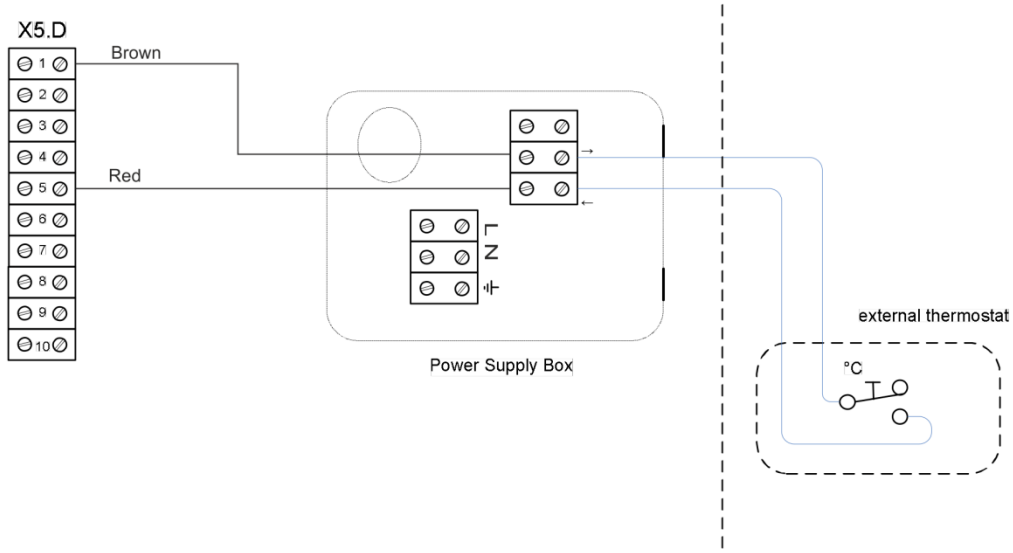
DRY 500,800, 1200 DUCT without Hygrostat /voltage-free contact/ 16.9.2022



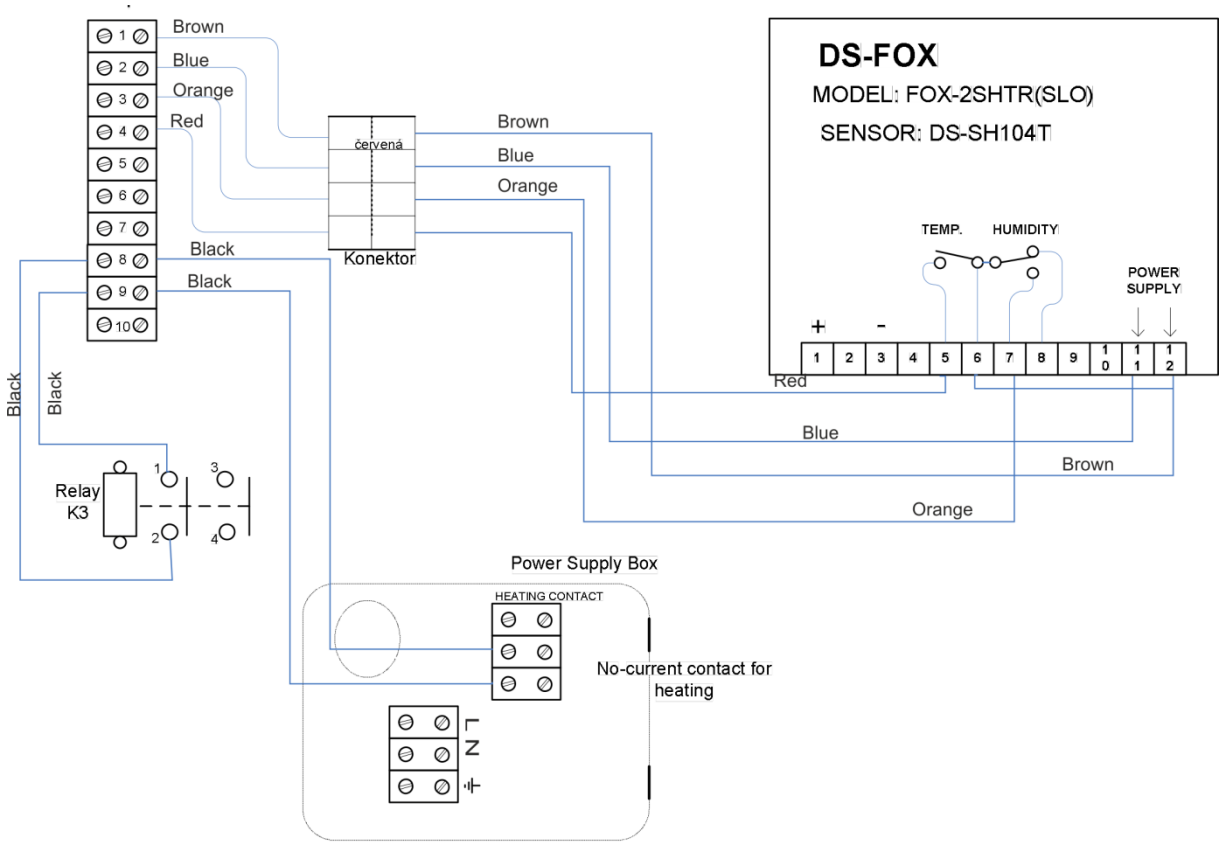
DRY 300/400/500/800/1200 DUCT – X5.D DRY EASY 300 /No-current contact for heating/



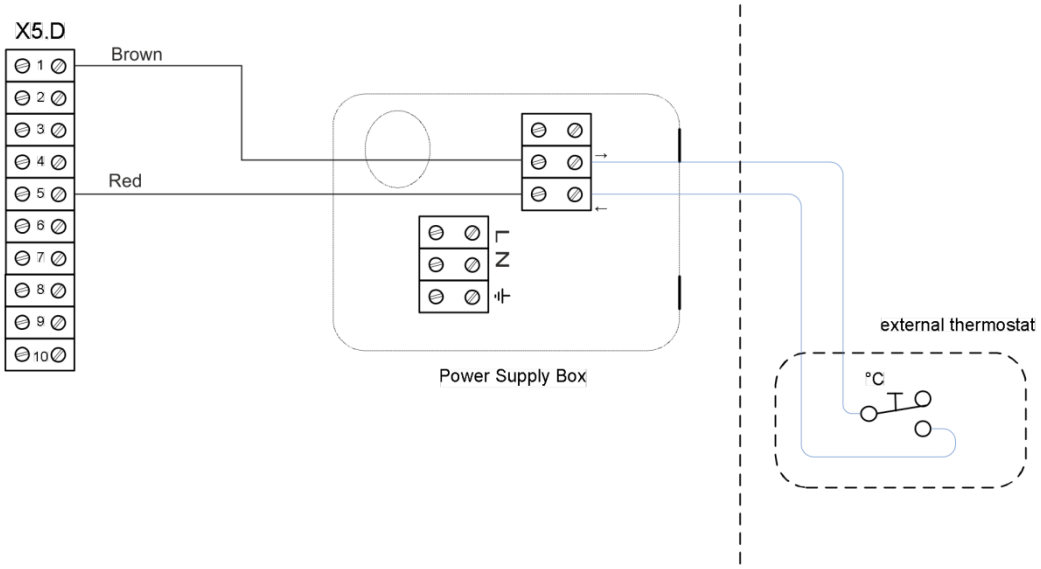
X5.D EXTERNAL THERMOSTAT



DRY 300/400/500/800/1200 DUCT – X5.D DSFOX /No-current contact for heating/



X5.D EXTERNAL THERMOSTAT



7. SUMMER SHUT-DOWN

Some swimming pool users use to shut the dehumidifier for summer down. This is mainly due to favourable weather conditions with dry and warm weather. In such case, good air ventilation / natural air exchange does the job of humidity control for few weeks/months of the year. Although following rapid change in weather (e.g. into rainy days) may result in high humidity in your pool.

In this case please make sure that:

1. Dehumidifier's circuit breaker is off (i.e. dehumidifier does not have any power supply)
2. Dehumidifier is cleaned of duct, fluff or other dirt that may harden / stiffen its structure during the shutdown period making it hard to remove afterwards.
3. Make sure air inlets and outlets are covered properly so no chlorine or other chemicals are not input into dehumidifier body, especially ventilator bearings. Failing to do so may result in bearings corrosion and failure of the dehumidifier.
4. **Please be advised that during shut down of the system the dehumidifier does not provide humidity control at all.**

8. WARRANTY

This dehumidifier is subject to a warranty period of 2 years. It may have been prolonged in your country or by your distributor or reseller. Please contact your reseller or distributor in the case a warranty should be claimed for this dehumidifier.

Please note that no claims will be accepted (warranty void) if:

1. The dehumidifier has been used in an incorrect way, not as described in this manual or in contrary to this User's manual or against Safety measures of this User's manual.
2. The dehumidifier is installed in an incorrect way, not as described in this User's manual or in contrary to this User's manual.
3. The dehumidifier was put to operation by an unauthorized person.
4. The air flow through the dehumidifier is out of the defined borders.
5. The unit has been exposed to a mechanical damage / force or any unauthorized action was performed on construction of a unit - welding, brazing or has been mechanically damaged resulting in scratches, blends, compressions, pipe rupture, etc. No mechanical damage is accepted as warranty claim unless a written claim had been made with transporting agent delivering the device.
6. Chemical conditions in the pool or pool hall have not been within the defined borders (*please see below table Allowed chemical conditions*).
7. The dehumidifier suffered frost or overheating damage resulting from ambient air temperatures out of Temperature operational range.
8. The electric tension source is insufficient or improper in any other way.

When applying for warranty, please contact your distributor and indicate dehumidifier model, serial number and date of purchase. Please describe the genesis of the failure.

Acidity / pH level:	pH	7,4 +/- 0,4
Total alkalinity, as CaCO3	ppm	80-120
Total hardness, as CaCo3	ppm	100-300
Total melted dry mass	ppm	max. 3000
Maximum salt content (standard dehumidifier)	wt/wt	0.3% (3,000 ppm, 3 kg of salt per 1 m^3 of water)
Maximum salt content (dehumidifier with SALT+/SULPHUR+ treatment)	wt/wt	3% (30,000 ppm, 30 kg of salt per 1 m^3 of water)
Free chlorine range	ppm	1,0-3,0
Superchlorination	ppm	max. 30 ppm/max. 24 hours
Bromine	ppm	2-3
Baquacil	ppm	25-50
Ozone	ppm	0,8-1,0
Maximum copper content	ppm	max. 2
Aquamatic single purifier	ppm	max. 2
Tarn clean purifier	ppm	max. 2
Sherwood purifier	ppm	max. 2

Table: Allowed chemical conditions

TRANSPORT INSTRUCTIONS

*The dehumidifier must be transported in the original packaging only and **in a vertical upright position.** Make sure that the dehumidifier cannot turn over or fall down during transport. Never put the dehumidifier aside! It may lead to serious compressor damage!*
No mechanical damage is accepted as warranty claim unless a written claim had been made with transporting agent delivering the device. When receiving the product please check whether the package is not damaged. Please make a proper documentation of any damage immediately after delivery and claim all transport damage in written form with the forwarding agent at the delivery.

TSU®

TECHNICKÝ SKÚŠOBNÝ ÚSTAV PIEŠŤANY, š.p.
Certifikačný orgán certifikujúci výrobky
Product Certification Body
Krajinská cesta 2929/9, 921 01 Piešťany
Slovenská republika/*Slovak Republic*

SNAS
Reg. No. 009/P-018

CERTIFIKÁT ZHODY
CONFORMITY CERTIFICATE

č./*No.* 231299156

Výrobca/*Manufacturer:*	**MICROWELL, spol. s r.o** **SNP 2018/42** **927 00 Šaľa, Slovenská republika / *Slovak Republic***
Výrobok/*Product:*	**Bazénový odvlhčovač MICROWELL** ***Swimming pool dehumidifier MICROWELL***
Typ/*Type:*	**DRY 500 WAVE**
Odvodené typy / *Derived types:*	**uvedené na druhej strane / *see the next page***

Tento certifikát zhody potvrdzuje, že výrobok spĺňa základné požiadavky na bezpečnosť podľa nasledovných smerníc ES/EÚ nového prístupu v ich platnom znení:
This conformity certificate confirms the conformity of the product with essential safety requirements of the following EC/EU New Approach Directives as amended:

2014/35/EÚ	**Smernica o LVD**	***2014/35/EU***	***LVD Directive***
2014/30/EÚ	**Smernica o EMC**	***2014/30/EU***	***EMC Directive***

Harmonizované normy použité pre posúdenie zhody:
Harmonized standards used for the conformity assessment:

EN 60335-1:2012/AC:2014/A11:2014/A13:2017/A1:2019/A14:2019/A2:2019/A15:2021
EN 60335-2-40:2003/A11:2004/A12:2005/AC:2006/A1:2006/A2:2009/AC:2010/A13:2012/AC:2013
EN 61000-3-3:2013

Iné normy použité pre posúdenie zhody:
Other standards used for conformity assessment:

EN IEC 55014-1:2021
EN IEC 55014-2:2021
EN IEC 61000-3-2:2019/A1:2021
EN 61000-3-3:2013/A1:2019/A2:2021/AC:2022-01

Certifikát je vydaný na základe skúšok vzorky typu výrobku. Výsledky sú uvedené v Správe o posúdení zhody č. 230500076 zo dňa 27.04.2023
The certificate has been issued on the basis of the tests of the product type sample. The results are recorded in the Conformity assessment report No. 230500076 dated 27.04.2023

CE označenie môže byť použité iba v prípade posúdenia zhody so všetkými príslušnými smernicami ES/EÚ
mark can be used only in the case of conformity assessment according to all relevant EC/EU Directives

Dátum vydania/*Issue date*:	28.04.2023
Platnosť do/*Expiry date*:	27.04.2026
Vydanie /*Issue*:	1

TSÚ PIEŠŤANY, š.p. TSU Certifikačný orgán certifikujúci výrobky

Ing. Dušan HANKO
vedúci certifikačného orgánu
certifikujúceho výrobky
Head of Product Certification Body

154801

Odvodené typy / *Derived types:*

DRY 300, DRY 400, DRY 500, DRY 800 a DRY 1200 v prevedení WAVE, METAL, SILVER a DUCT v kódovom označení:

DRY 300, DRY 400, DRY 500, DRY 800 and DRY 1200 in make of WAVE, METAL, SILVER a DUCT in code marking:

DRY300W	**DRY300M**	**DRY300S**	**DRY300D**
DRY400W	**DRY400M**	**DRY400S**	**DRY400D**
DRY500W	**DRY500M**	**DRY500S**	**DRY500D**
DRY800W	**DRY800M**	**DRY300G**	**DRY800D**
DRY1200W	**DRY1200M**	**DRY400G**	**DRY1200D**

Tento certifikát je vydaný za nasledujúcich podmienok:

1. Certifikát sa vzťahuje na typ výrobku a jeho varianty uvedené vo vyššie uvedenej správe o posúdení zhody.
2. Tento certifikát sa nevzťahuje na výrobný proces/vnútropodnikovú kontrolu.
3. Certifikát neznamená, že certifikačný orgán vykonáva dozor alebo kontrolu výroby.
4. Výrobca musí zabezpečiť zhodu následne vyrábaných výrobkov s certifikovaným typom.
5. Zmeny, ktoré majú vplyv na zhodu s certifikačnými požiadavkami môžu podmieniť ďalšiu platnosť certifikátu tým, že sa bude vyžadovať preukázanie zhody s podmienkami, za ktorých bol certifikát udelený, alebo dodatočným hodnotením.
6. Držiteľ tohto certifikátu musí dodržiavať podmienky uvedené vo Všeobecných pravidlách pre certifikáciu výrobkov, ktoré sú voľne dostupné na stránke www.tsu.sk

This certificate is issued under the following conditions:

1. *The certificate applies to the product type and its variations specified in the above mentioned Conformity Assessment report.*
2. *The production process/factory production control is not covered by this certificate.*
3. *The certificate does not imply that the certification body has performed any surveillance or control of the production process.*
4. *The manufacturer shall ensure the conformity of subsequent production items with the certified type.*
5. *Changes that may have an impact on maintaining conformity with the certification requirements may require confirmation of the validity of the certificate by demonstrating compliance with the conditions under which the certificate was issued or by conducting an additional evaluation.*
6. *The holder of this certificate must keep the conditions specified in the General Rules for Product Certification, which are freely available at www.tsu.eu*

TSÚ PIEŠŤANY, š.p. TSU Certifikačný orgán certifikujúci výrobky

Notes:

Notes:

Notes:

Distributor:

Manufacturer:
MICROWELL, spol. s r.o.
Diakovská 7321, 927 01 Šaľa, Slovakia
tel.: +421/31/770 7082
e-mail: microwell@microwell.sk
w w w . m i c r o w e l l . e u

Made in: EUROPEAN UNION (SLOVAK REPUBLIC)
Country of Origin: EUROPEAN UNION (SLOVAK REPUBLIC)