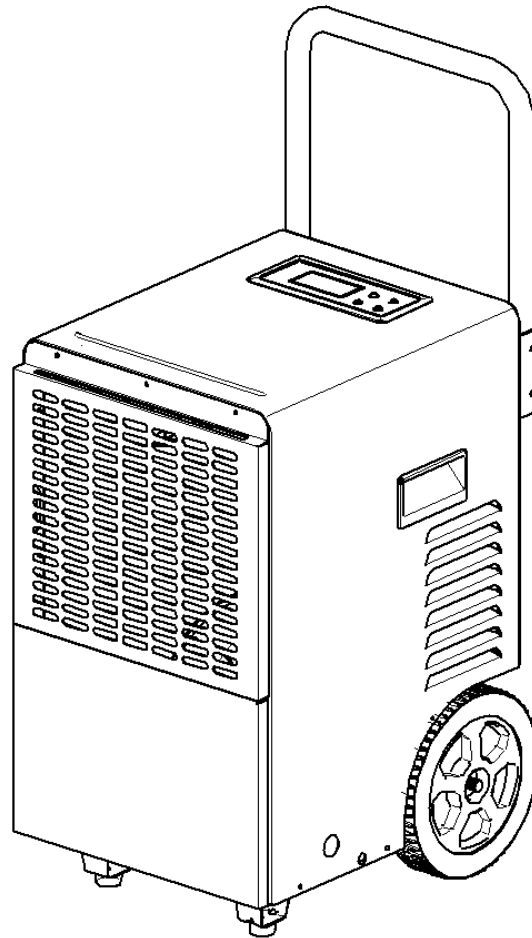


# electricQ

## USER MANUAL



**PORTABLE COMMERCIAL / INDUSTRIAL DEHUMIDIFIER**

**ECD30-V2**

**30 Litres per day**

Thank you for choosing electricQ.

Please read this user manual before using  
this innovative dehumidifier.

Please keep it safe for future reference.

Visit our page [www.electricQ.co.uk](http://www.electricQ.co.uk) for our entire range of Intelligent Electricals

# SETTLING IN OK?

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We hope this has been helpful to you.

We would love to see how you're getting on with your new purchase, so please share any snaps you have on the platform of your choice below.

Our community awaits your uploads - Snap, tag and hashtag away!



**@electriQUK**

**#electriQUK**

# WE'RE HERE TO HELP

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Should you have any problems or questions with your purchase, please contact a member of our customer service team.

☎ 0330 390 3061

✉ [support@electriQ.co.uk](mailto:support@electriQ.co.uk)

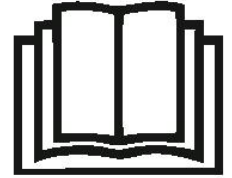
Mon-Fri | 9am to 5pm

Unit 2A, Trident Business Park,  
Neptune Way, Leeds Road,  
Huddersfield, HD2 1UA

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# SAFETY INSTRUCTIONS IMPORTANT



- Carefully read the instructions before operating the unit.
- This appliance is intended for use in an indoor domestic and indoor commercial environment. The manufacturer does not recommend any other use and may cause fire, electrical shock or other injuries to a person or damage to property.
- Rating: This unit must only be connected to an AC 220-240V / 50 Hz earthed outlet. Installation must be in accordance with the regulations of the country where the unit is used.
- If you are in any doubt about the suitability of your electrical supply, have it checked and, if necessary, modified by a qualified electrician.
- This dehumidifier has been tested and is safe to use. However, as with any electrical appliance – care must be taken during use.
- **CAUTION:** In order to avoid a hazard due to inadvertent resetting of the thermal cut-out, this appliance must not be supplied through an external switching device, such as a timer, or connected to a circuit that is regularly switched on and off by the utility.
- Disconnect the power from the appliance before dismantling, assembling or cleaning.
- Avoid touching any moving parts of the appliance.
- Never insert fingers, pencils or any other objects through the guard.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities. It is also not intended for use by those with a lack of experience and knowledge unless they have been given supervision or instruction concerning the use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure they do not play with the appliance.
- Do not clean the unit by spraying it or immersing it in water.
- Never connect the unit to an electrical outlet using an extension cord. If a power outlet is not available, one should be installed by a qualified electrician.
- Never operate this appliance if the unit is damaged. Call the retailer first. Ensure the power cord is not stretched or exposed to sharp objects or edges.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- R290 refrigerant gas complies with European environmental directives.
- R290 has a low GWP (Global Warming Potential) of 3.
- An authorised service representative should perform any service other than regular cleaning or filter replacement. Failure to comply could result in a voided warranty.
- The unit must be disconnected from the power prior to any cleaning, maintenance or servicing.
- The unit must only be opened by a suitably competent engineer when the power is disconnected and after reading the service manual.
- Do not use the appliance for any purpose other than its intended use.
- Do not tilt the unit while in use. The unit is designed to work only in a vertical position. This dehumidifier must always be stored upright; otherwise, irreparable damage may be caused.
- This unit will still operate for approximately 3-4 minutes after pressing the power button to turn off.
- Never use the mains plug as a switch to start or turn off the dehumidifier. Instead, use the power button provided on the control panel.
- Always place the unit on a dry and stable surface.
- The appliance should not be installed in a laundry or wet room where the humidity is higher than 85% RH. This unit should be

- operated at an ambient temperature between 1°C and 32°C.
- Do not dry laundry directly above the unit. To prevent water from entering the dehumidifier, laundry should be placed at least 40 cm away from your dehumidifier.
  - Do not place the unit next to heat sources (e.g. electrical fires, fireplaces, etc.)
  - Do not store or use gasoline, petrol, paint, solvents or other flammable vapours and liquids in the vicinity of this dehumidifier or any other appliance. Do not use dehumidifiers where flammable gases or VOC can be released or accumulate.
  - Do not use or store the unit in a room smaller than 4m<sup>2</sup>.

## **ENERGY SAVING AND UNIT SAFETY PROTECTION TIPS**

Do not cover or restrict the airflow from the outlet or inlet grills.

For maximum performance, the unit should be operated at least 20 cm away from walls and 50 cm from other objects within the room. Whilst storing the unit when not in use, ensure the same ventilation clearances as in operation. Do not store anything on top or leaning against the unit.

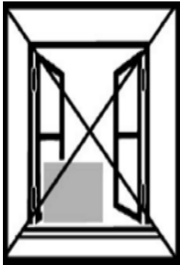
Always store the unit in a dry room away from direct sunlight.

Keep the appliance's filters and grills clean. Under normal conditions, filters and grills should only need cleaning once every three weeks (approximately). Do not use the unit without the mesh air filter, as this will allow dirt to gather inside the dehumidifier, which could invalidate the warranty.

A dirty filter restricts the airflow into the machine, increasing the resistance of the fan. This can damage the unit and invalidate your warranty.

Since the filters remove airborne particles, more frequent cleaning may be necessary depending on the air quality. Vacuum and wash the mesh filters with hot, soapy water and dry them before placing them back in the unit.

## QUICK VISUAL SAFETY GUIDE ON WHERE OR WHEN NOT TO USE YOUR DEHUMIDIFIER



Exposed to the weather outdoors



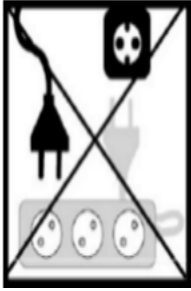
Near water



If the power cable wires are frayed or cut.



Where small children may be left unattended



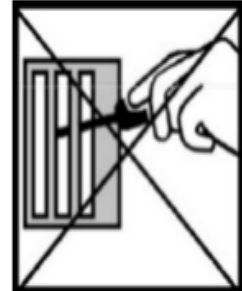
If an extension lead may become overloaded



Where it may be damaged by chemicals



Where the power cable may be damaged



Where there is a risk of interference by foreign objects



On a slope or uneven surface



This product is not for DIY repair



Where there is a risk of fire, or close to a naked flame



Where there is a risk of water falling on the unit

## WARNING SYMBOLS



Flammable Refrigerant



Read the operating instructions.



Read the operator's manual.



Read the service/technical manual.

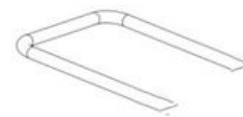
## PARTS



Bolts (For Handle)  
x 4



1m Flexible Water Pipe



Handle

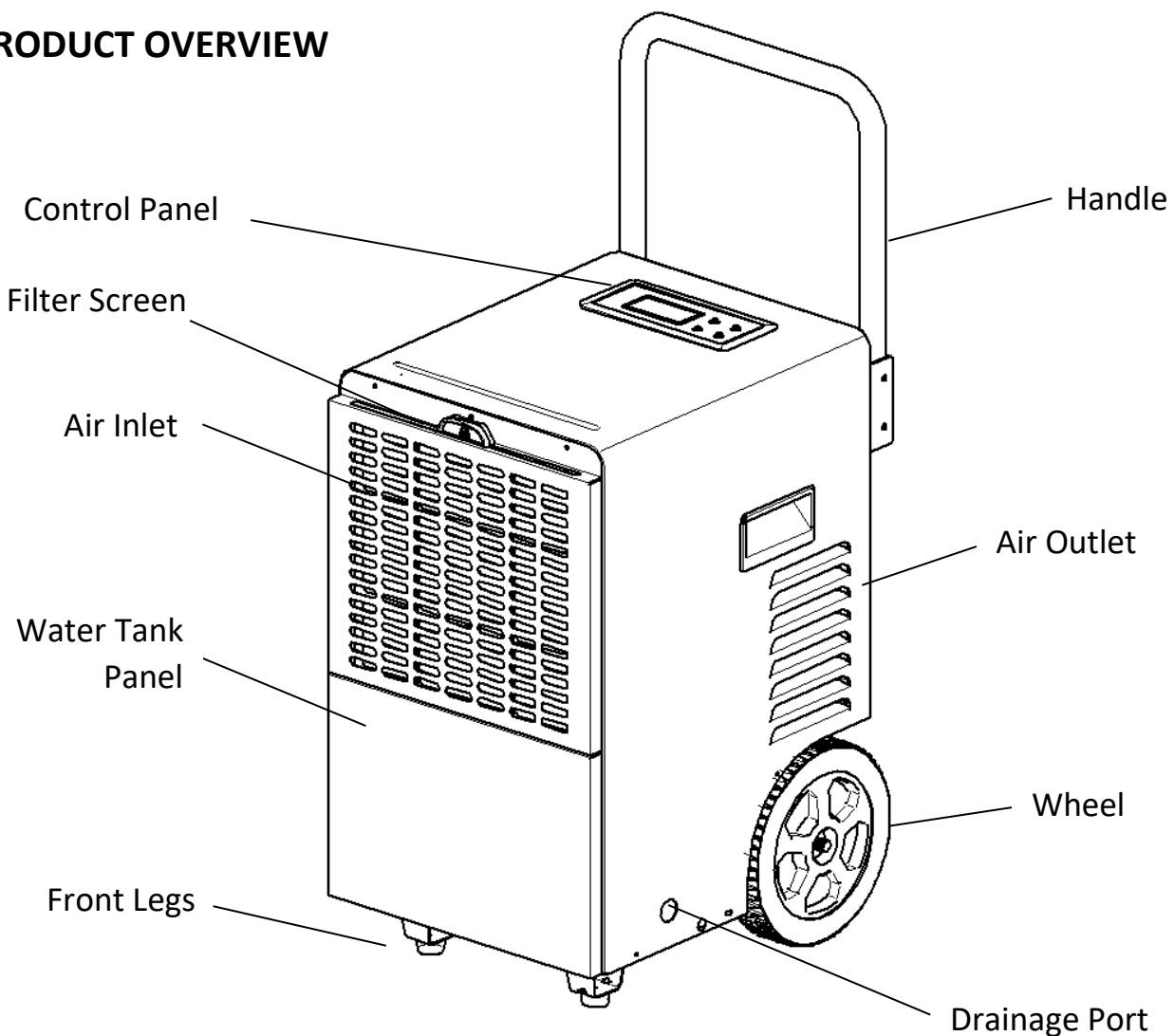
## FEATURES

The ECD range of dehumidifiers use compressor technology to extract water from the environment. Compressor dehumidifiers are ideal for environments which are heated during the winter months and maintain a temperature above 12-15°C, although these units can be used in temperatures down to 5°C. The dehumidifiers are easy to move around and are designed to extract unwanted humidity. They feature an intelligent humidistat where the desired relative humidity can be adjusted in increments of 1% between 10 and 95% ensuring your room is not dried too much and power is not wasted.

Your dehumidifier belongs to the electriQ dehumidifier range featuring power saving logic.

1. Easy to use controls
2. Cost effective way to combat mould, condensation and damp
3. Wheels for improved mobility
4. Intelligent CPU controlled digital humidistat with 10-95% RH and room humidity display
5. 24 hours start / stop timer
6. Tank operation (30L and 50L models) or permanent drainage option with splashproof tank
7. Tank full alarm & auto-stop function
8. Auto restart
9. Stackable.

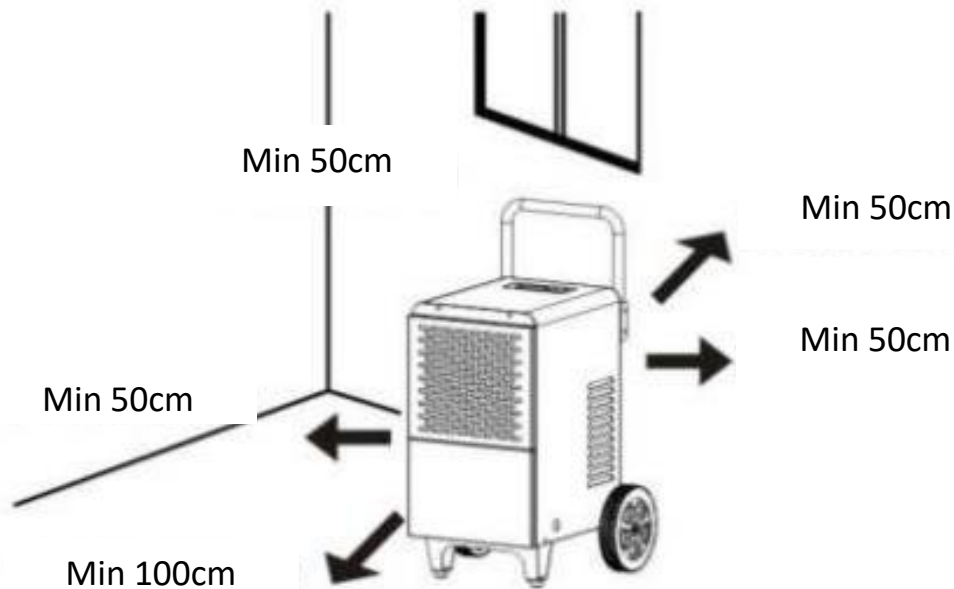
## PRODUCT OVERVIEW



## POSITIONING THE DEHUMIDIFIER

A badly positioned dehumidifier will have little effect. When positioning the dehumidifier, please ensure air circulation is not restricted around the unit.

Allow at least 50cm space to the sides and back of the unit, and 100cm to the front. This dehumidifier is designed only for indoor applications.



Use in an enclosed area for maximum efficiency. Close all doors, windows to create an effective operating environment.

Your electriQ dehumidifier will extract water from the air, protecting your space from the harmful effects of excessive moisture as soon as it is turned on. Excess moisture is dispersed throughout your home. For this reason, the dehumidifier should be positioned in a central and clear location so that it can draw this moist air towards it from all over the home. A warm hallway or landing is an excellent position for your dehumidifier. If possible, leave interior doors ajar to allow air circulation.

Alternatively, if you have a serious problem in one area you can begin by positioning the dehumidifier there and moving it to a more central location at a later date. For the most effective use, run your dehumidifier with external doors and windows kept closed. Please note the unit should not be placed directly against a radiator or other heat source.

When positioning your electriQ dehumidifier, ensure that it is placed clear of any obstacle that may limit the air movement. Place the dehumidifier on a flat dry surface.

**Note:** Do not move the unit with water in the tank as it may tip over and spill water.

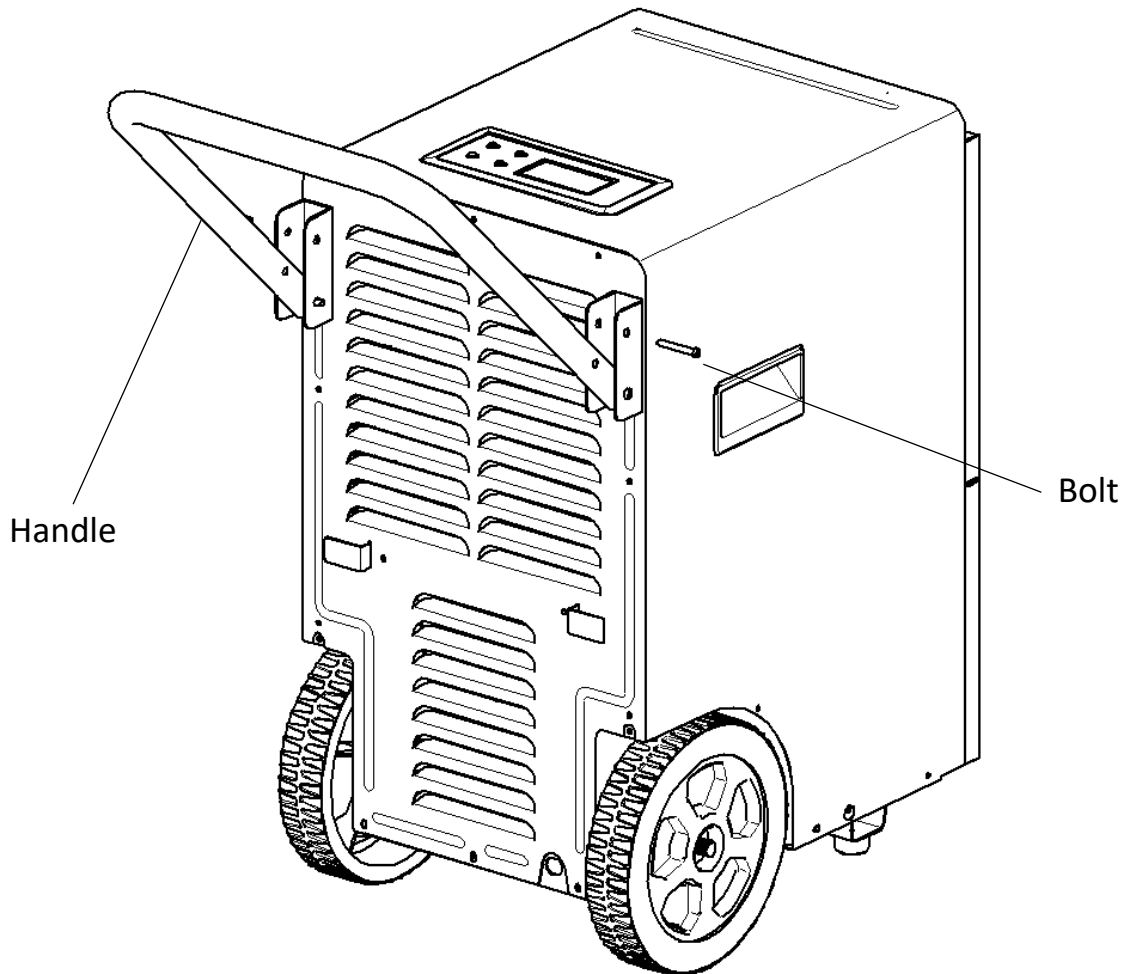


## ASSEMBLY

The appliance must be fully assembled before plugging in. In order to prevent damage to the compressor, after assembly the unit must be left in an upright position for 2 hours before plugging in.

### ATTACHING THE HANDLE

The handle is supplied resting against the rear of the unit for transportation. Unfold the handle so it is in the upright position and secure using the two bolts provided.



## DRAINAGE OPTIONS

### INTERNAL WATER TANK

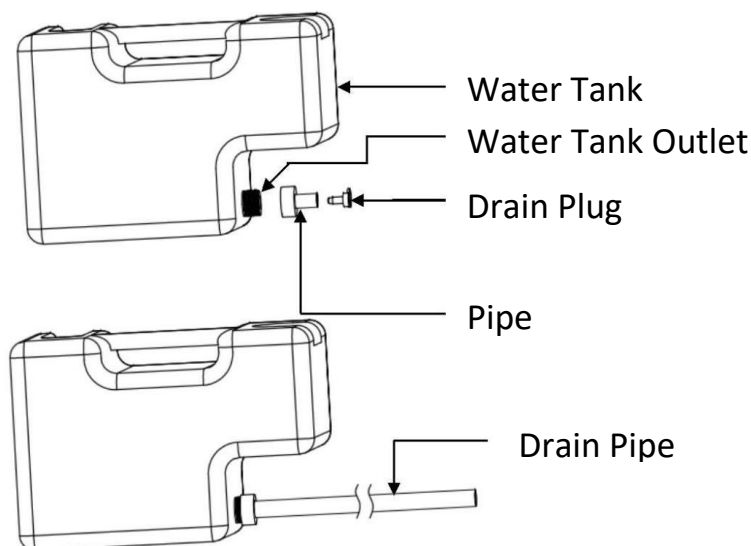
The appliance is provided with a 7-litre removable water tank. When the tank is full, the machine will automatically shut down and enter standby. The display will show the TANK FULL icon, and an alarm will sound. Once the tank has been emptied and put back into position, the dehumidifier can restart operation.

### CONTINUOUS DRAINAGE

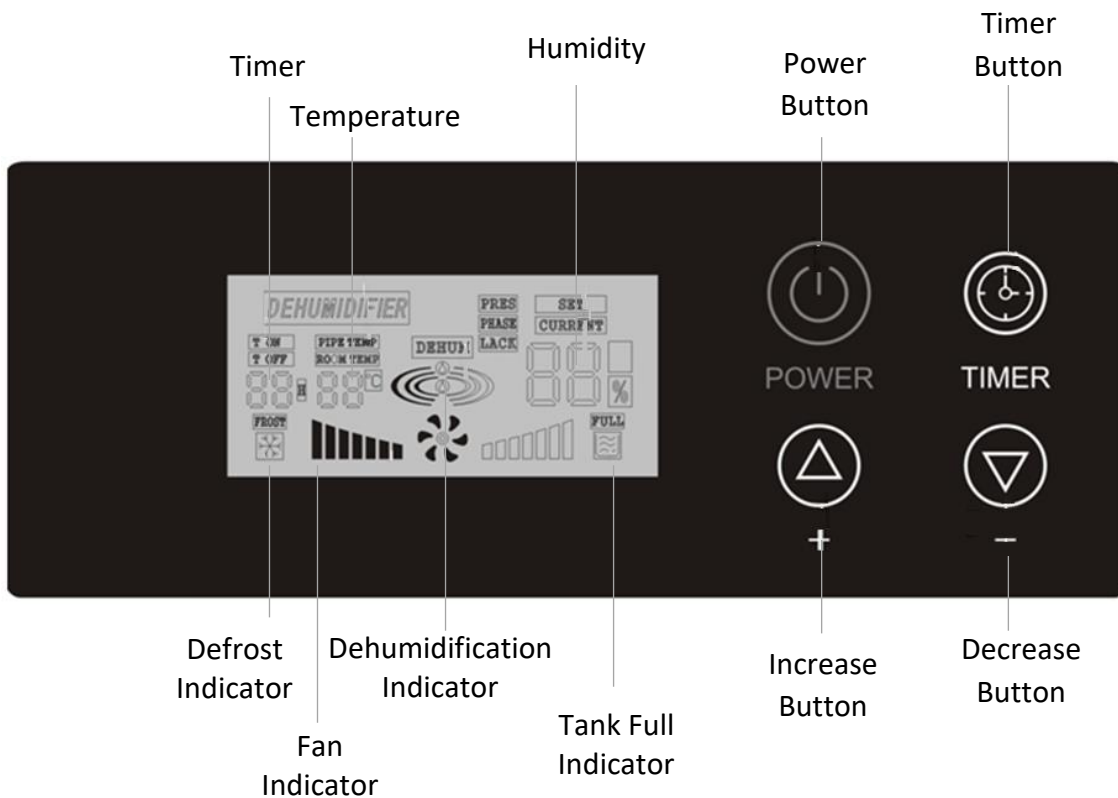
This range of dehumidifiers can be set up for continuous drainage. The appliance uses gravity fall to dispose of water, so the drain should be lower than the dehumidifier's water outlet. Be sure to run the water pipe downward and let the water flow out smoothly. Do not kink or bend the pipe. If the water is required to be pumped upwards, such as when used in a cellar, the drain pipe can be used in conjunction with an external uplift pump.

**IMPORTANT:** Do not leave on continuous drainage or continually running when you are not present.

Use a flexible pipe with a 12mm internal diameter. Remove the drain plug from the pipe connector on the base of the water tank. Route the pipe through the hole in the side of the unit.



# CONTROL PANEL



Press once to turn the unit on. Press again to turn the unit off.



Increase the desired humidity between 10% and 95%RH.  
Also used to adjust the timer duration following pressing the TIMER button



Decrease the desired humidity between 10% and 95%RH.  
Also used to adjust the timer duration following pressing the TIMER button



Press the timer button to activate the timer. Use the UP and DOWN buttons to adjust the timer duration (00-24hr).  
The timer can be used in standby mode to specify how many hours the unit will turn on, or while the unit is operating, to specify how many hours the unit will turn off.

## OPERATION

- The recommended humidity for a standard room is within the range of 50% to 70%, provided no special requirements are made.
- Although the desired humidity can be set as low as 10%, lower settings will act as a continuous mode, as they are unlikely to be achievable in the UK.

## WATER TANK FULL

When the water tank is full, the dehumidifier will display the TANK FULL symbol, bleep, and enter standby mode. To resume operation, the water tank should be emptied and reinserted into the unit.

If this happens when the unit is set up with continuous drainage, it indicates either a blockage of the drain pipe, or that the pipe is not going downhill. Check the route of the drain pipe to resolve the error.

## AUTO DEFROST

When frost builds up on the evaporator coils, the compressor will cycle off and the unit will go in to defrost mode. Following completion of the defrost mode, the unit will return to the previously operating settings.

DEFROSTING MODE	DESCRIPTION	
Automatic defrosting	Sensor at normal state	This mode is entered when the compressor runs constantly for 30 min and the coil temperature is $\leq -1^{\circ}\text{C}$ .  In defrost mode the compressor stops running, the fan continues running and the defrosting light is on.
Timing defrosting	The unit defrosts for 8 minutes	

Note: When the ambient temperature is low, the appliance will enter defrost mode more often

## HUMIDITY CONTROL

When the unit reaches the desired humidity set, both the fan and compressor will shut down, and when the room's humidity is above the desired level, both the fan and compressor will operate.

If the room humidity displayed appears to be incorrect, it can be adjusted by following the below:

1. In standby mode, press and hold the TIMER Button for over 10 seconds.
2. Both the Set Humidity and Current Humidity symbol will flicker and the humidity display will show the current humidity
3. Use the UP and DOWN buttons to adjust the humidity reading.

## FAULT PROTECTION

The intelligent logic within the unit monitors the performance of the refrigerant circuit. If, after 10 minutes, the temperature of the cold coil within the unit has not reduced sufficiently, the unit will enter standby mode, and "PRESSURE HOLDING" will be displayed on the control panel. The unit will not operate until the fault has been rectified.

## CARE AND MAINTENANCE

Always shut off the unit and unplug it from the mains before cleaning or performing any maintenance. When it is not in use for long periods, removing the plug from the power socket is advisable. Do not use chemical solvents (such as benzene, alcohol or gasoline) as they may cause irreversible damage to the unit.

### CLEAN THE AIR INLET

The Air-inlet may gather dust easily, please clean it often with a soft, damp cloth. If the filter is covered by dust, the airflow and the performance of the unit will be affected, it may even cause damage to the unit. We recommend that you regularly clean the filters. The dehumidifier must be disconnected from the socket before maintenance and the filters must be allowed to fully dry before re use.

1. Remove the filters from the unit, and tap the dust away.
2. cleaner or soft-brush.
3. If dirt and grease accumulate, wash the mesh filter in hot, soapy water.
4. Replace the filters in position as shown in the diagram.
5. Never use the unit without the antibacterial mesh dust filter.

### CLEAN THE GRILLE AND CASE

Use water and a mild detergent to clean the washable mesh filters. Do not use bleach or abrasives. Do not splash water directly onto the main unit. Doing so may cause an electrical shock and can lead to the insulation deteriorating or cause the unit to rust. The air intake and outlet grilles get soiled easily, so use a vacuum attachment or soft brush to clean them. Wipe the dehumidifier body with a soft damp cloth or kitchen towel.

### CLEAN THE WATER TANK

Every few weeks, clean the tank to prevent the growth of mould, mildew and bacteria. Partially fill the tank with clean water and add a little mild detergent. Swish it around and then empty the tank and rinse.

**NOTE:** Do not use a dishwasher to clean the tank. After cleaning and drying, the tank must be reinserted securely into the dehumidifier to restart operation.

### END OF SEASON MAINTENANCE

1. Empty and clean the water tank.
2. Clean the unit and the filter as per the cleaning procedure above.
3. Cover the unit and keep it in a dry place.

### CAUTION:

- When not in use, the user should switch the unit off by pressing the Power button so that the indicator LED is turned off, before unplugging it from the mains.
- Always follow the safety instructions outlined at the beginning of the user manual.
- Disconnect the dehumidifier from the mains if the unit is not in use.
- To prolong the life of the dehumidifier, do not use it for long periods of time without disconnecting the unit from the power supply.

## TROUBLESHOOTING

Issue	Cause	Solution
Hot or cold air being produced	Normal Operation	When the unit is in dehumidifying mode it absorbs humid air from room and freezes it to reduce the humidity. During the cold cycle there should be cold air coming out of the unit During the defrost cycle hot dry air should be coming out of the outlet grill.
Unit does not operate	Is the plug properly inserted in the socket?	Insert the plug into the socket and turn the switch on.
	Does the tank full indicator is red?	Tank full, float displaced or tank not properly inserted. Empty tank, check float and make sure tank is properly inserted in unit.
Dehumidifier does not extract water	Is the unit set to a humidity level lower than the one in the room?	Set the humidity level on the humidistat below current humidity reading.
	Is the temperature too low for water extraction to be efficient?	Increase temperature in the room or reposition the unit.
	Is any intake grill or discharge blocked? Is the unit too close to walls.	Remove obstructions and restart the unit. Ensure a distance of at least 50 cm between the unit & walls
Airflow seems weak	Is filter dirty or clogged?	Please service the filters regularly as per user manual.
Unit is noisy during operation	Is the unit on an uneven surface?	Please place on flat horizontal surface.
	Is filter clogged?	Please service the filters regularly as per user manual.
Unit leaking	Is it on a flat surface?	Ensure the unit is on a flat surface.
	Is the drain pipe obstructed.	Check the route of the drain pipe to ensure it is not constricted or travelling uphill/
E1 Error Code	Coil sensor error	Leave the item to defrost, which should reset the error code.
E2/E3 Error Code	Humidity / Temperature sensor error	Use the unit within the prescribed temperature range. Unplug the unit, rest and plug it back in. If error repeats, call for service centre.
EE Error Code	Refrigerant Leakage	Leave the unit to rest for at least 3 hours, with the room well ventilated before attempting to restart. If this does not resolve, contact the service centre.
HI Error Code	Ambient temperature detected $> 38^{\circ}\text{C}$	The ambient temperature range of the machine is $5\text{-}35^{\circ}\text{C}$ . Reduce the ambient temperature.
LO Error Code	Ambient temperature detected $< 3^{\circ}\text{C}$	The ambient temperature range of the machine is $5\text{-}35^{\circ}\text{C}$ . Increase the ambient temperature.
Any other malfunctions will need to be reported to electriQ service centre. Do not attempt unauthorised repairs as these may invalidate the warranty.		

## TECHNICAL SPECIFICATION

Model	ECD30-V2
Power Supply	AC 220-240V/50Hz
Dehumidifying Capacity	30L/Day (30°C RH80%) 20L/Day(27°C RH60%)
Power	650W(30°C RH80%) 550W(27°C RH60%)
Rated Current	3A (30°C RH80%) 2.4A(27°C RH60%)
High/Low Pressure	2.5/1.0Mpa
Desired Humidity Range	10* to 95%
Tank Capacity	7 Litres
Drainage Pipe Internal Diameter	12mm
Maximum uplift of condensate	N/A
Product Dimensions WxLxH (mm)	444x336x850
Weight (Kgs)	22
Refrigerant	R290, 120g
Minimum room area (M <sup>2</sup> )	6
Global Warming Potential	3
Operating environment	5°C ~ 35°C
   R290	

\* Note: Although the unit can be set to very low desired humidity levels, levels below 40% are unlikely to be achievable in most circumstances, and as such acts as the unit being set to run continuously.

## FREQUENTLY ASKED QUESTIONS

### Why doesn't the dehumidifier seem to extract much water if the temperature is low?

This is a compressor dehumidifier which works best in temperatures above 15°C. If the temperature is low and the air is dryer than the setting on the humidistat, the unit will not extract water. If you want to use a dehumidifier for outside buildings, unheated properties, boats or garages, please check our desiccant range.

### Why doesn't the unit work /or stop suddenly?

The water tank may be full or displaced. To rectify this, empty the tank and carefully place it back in the unit. Also, the unit may be running in dehumidifying mode with a low room temperature. Please check if the room temperature is lower than 5°C. If so, the unit will stop working while in dehumidifying mode. (The unit may be defrosting.)

The ambient operating range is between 5°C and 35°C, with relative humidity ranging from 30% to 80%. For maximum efficiency, use the unit between 15°C and 32°C.

### Sometimes cold and/or hot air comes out from the air outlet grill, why?

When the unit is in dehumidifying mode it absorbs humid air from room and freezes it to reduce the humidity. During the cold cycle there should be cold air coming out of the unit. During the hot cycle hot dry air should be coming out of the outlet grill.

## ENVIRONMENTAL PROTECTION

Disposal: Do not dispose this product as unsorted municipal waste. Collection of such waste must be handled separately as special treatment is necessary.



Recycling facilities are now available for all customers at which you can deposit your old electrical products. Customers will be able to take any old electrical equipment to participating civic amenity sites run by their local councils. Please remember that this equipment will be further handled during the recycling process, so please be considerate when depositing your equipment. Please contact the local council for details of your local household waste recycling centres.

## electriQ UK SUPPORT

[www.electriQ.co.uk/support](http://www.electriQ.co.uk/support)

Please, for your own convenience, make these simple checks before calling the service line.

If the unit still fails to operate call: 0330 390 3061 or complete the online form

1. Have you emptied the water tank before resuming operation?
2. Is the unit plugged into the mains? Does the power adapter work?
3. Is the fuse in the power plug OK?

Office hours: 9AM - 5PM Monday to Friday

[www.electriQ.co.uk](http://www.electriQ.co.uk)

**Unit 2A, Trident Business Park,  
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HD2 1UA**