



INSTRUCTIONS FOR  
**DEHUMIDIFIER 20LTR**  
MODEL NO: **SDH20.V4**

Thank you for purchasing a Sealey product. Manufactured to a high standard, this product will, if used according to these instructions, and properly maintained, give you years of trouble free performance.

**IMPORTANT:** PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS & CAUTIONS. USE THE PRODUCT CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE AND/OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY. KEEP THESE INSTRUCTIONS SAFE FOR FUTURE USE.



Refer to instructions



Indoor use only

## 1. SAFETY

### 1.1. ELECTRICAL SAFETY

- **WARNING!** It is the user's responsibility to check the following:

Check all electrical equipment and appliances to ensure that they are safe before using. Inspect power supply leads, plugs and all electrical connections for wear and damage. Sealey recommend that an RCD (Residual Current Device) is used with all electrical products. You may obtain an RCD by contacting your local Sealey dealer.

If the dehumidifier is used in the course of business duties, it must be maintained in a safe condition and routinely PAT (Portable Appliance Test) tested.

Electrical safety information, it is important that the following information is read and understood.

- 1.1.1. Ensure that the insulation on all cables and on the appliance is safe before connecting it to the power supply.
- 1.1.2. Regularly inspect power supply cables and plugs for wear or damage and check all connections to ensure that they are secure.
- 1.1.3. **Important:** Ensure that the voltage rating on the appliance suits the power supply to be used and that the plug is fitted with the correct fuse - see fuse rating in these instructions.

- × **DO NOT** pull or carry the appliance by the power cable.
- × **DO NOT** pull the plug from the socket by the cable.
- × **DO NOT** use worn or damaged cables, plugs or connectors. Ensure that any faulty item is repaired or replaced immediately by a qualified electrician.

- 1.1.4. This product is fitted with a BS1363/A 13 Amp 3 pin plug.  
If the cable or plug is damaged during use, switch the electricity supply and remove from use.  
Ensure that repairs are carried out by a qualified electrician.

Replace a damaged plug with a BS1363/A 13 Amp 3 pin plug. If in doubt contact a qualified electrician.

a) Connect the GREEN/YELLOW earth wire to the earth terminal 'E'.

b) Connect the BROWN live wire to the live terminal 'L'.

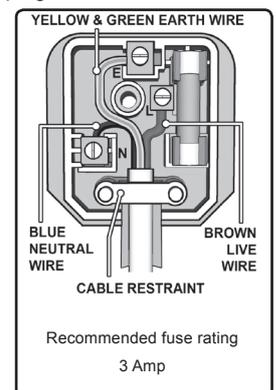
c) Connect the BLUE neutral wire to the neutral terminal 'N'.

Ensure that the cable outer sheath extends inside the cable restraint and that the restraint is tight.

Sealey recommend that repairs are carried out by a qualified electrician.

### 1.2. GENERAL SAFETY

- ✓ Check that the dehumidifier is in sound condition and good working order. Take immediate action to repair or replace damaged parts.
- ✓ Use recommended parts only. Unauthorised parts may be dangerous and will invalidate the warranty.
- × **DO NOT** stand or place any object within 10cm from the front of the unit, 40cm from the rear and sides of the unit, and 40cm above the unit.
- × **DO NOT** obstruct the air intakes or outlets of the dehumidifier, and do not cover with washed clothes.
- × **DO NOT** get wet.
- × **DO NOT** place any object into the outlets - the unit has a fan running at high speed, contact with this will cause injury.
- × **DO NOT** operate the dehumidifier when you are tired or under the influence of alcohol, drugs or intoxicating medication.
- × **DO NOT** switch the dehumidifier off by disconnecting it from the mains. ALWAYS switch to the "OFF" position first.
- × **DO NOT** remove the float lever from the water collection tank.
- × **DO NOT** connect or disconnect the plug from the mains with wet hands.
- × **DO NOT** use an extension lead.
- ✓ Unplug before moving.
- ✓ Place on flat level ground which can hold dehumidifier and full water tank weight
- ✓ Always discard the water from the collection tank, **DO NOT** use it for any other purpose.
- ✓ To prevent water from freezing, do not use the dehumidifier at ambient temperatures below 0°C.
- × **DO NOT** use the dehumidifier outside.
- ✓ When using continuous draining, make sure that the drain hose is positioned correctly.
- ✓ Ensure that heating appliances are not exposed to the flow of air from the dehumidifier.
- ✓ Before attempting to move the dehumidifier, empty the contents of the collection tank. Use top carrying handle when moving unit.
- ✓ Switch off and disconnect it from the mains before cleaning or other maintenance work.
- ✓ Ensure that the dehumidifier is correctly turned off when not in use, and stored in a safe, dry area, out of reach of children.



This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities or 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 that they do not play with the appliance. This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

## 2. INTRODUCTION

Compact, efficient and portable unit that extracts 20 litres of water per day. Removes excess moisture from the air to prevent build up of mildew and mould. Control panel allows user to select the mode, set the desired humidity level and a 1 to 24 hour timer. Adjustable air outlet, float switch and audible warning notifies the user when the tank is full. Refrigerant is environmentally friendly R134A. Supplied with 320mm drain hose for continuous operation along with four swivel wheels allowing the unit to be easily manoeuvred.

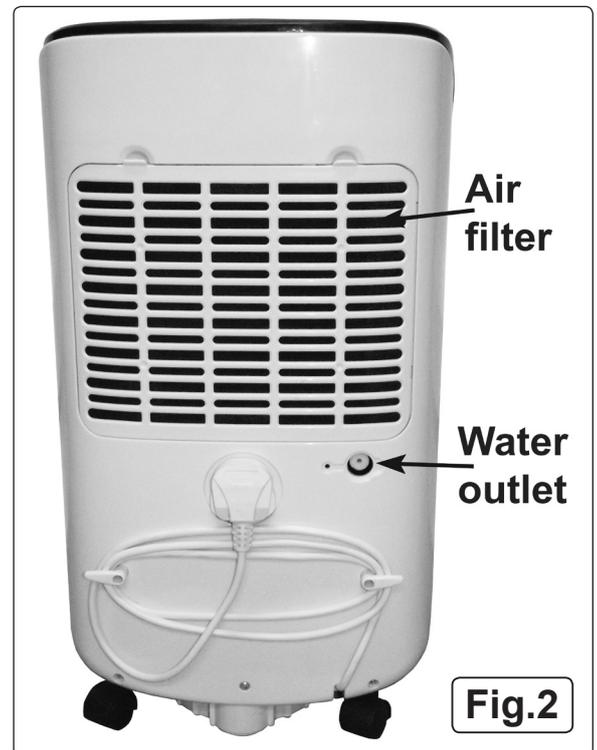
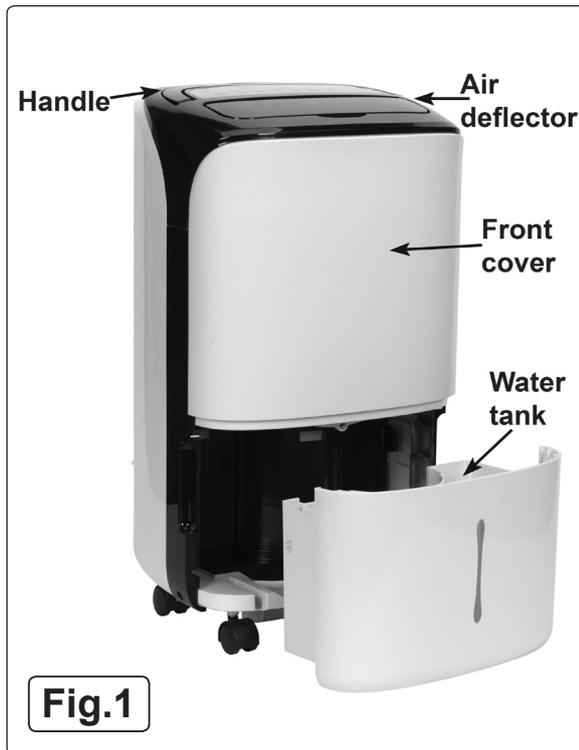
## 3. SPECIFICATION

Model no:	SDH20
Power:	450W
Supply:	230V
Dehumidifying capacity:	20ltr/day
Working space:	80mtr <sup>3</sup>
Maximum airflow:	160mtr <sup>3</sup> /hr
Refrigerant:	R134A
Condensate tank:	4.2ltr (with auto shut-off)
Working temperature range:	5-35°C
Weight:	12.14kg

## 4. OPERATION

### 4.1. SITING REQUIREMENTS Refer to fig.1

- 4.1.1. Make sure there is at least 400mm of space behind and above the dehumidifier for operation.
- 4.1.2. Place on a flat, solid surface capable of withstanding the load of the dehumidifier with a full tank.
- 4.1.3. Close all doors and windows when the dehumidifier is working. Damp air from outdoors will increase the workload of the dehumidifier.
- 4.1.4. **DO NOT** use the dehumidifier in a place which its room temperature is lower than the machine's minimum operation temperature 5°C (41°F), and a maximum temperature not exceeding 35°C, otherwise it will be unable to operate.



### 4.2. STARTING AND STOPPING Refer to fig.1

- 4.3. Check that the water tank is empty and in place.
- 4.3.1. Open the air deflector.
- 4.3.2. Each time the mains supply is switched off or there is an interruption to the power supply, the controls will go back to their original setting.
- 4.3.3. Check operational temperature 5° - 35°C.
- 4.3.4. Check humidity to be adjusted is within range: 30% RH - 80% RH.
- 4.3.5. When the LED screen indicates "CO" this means continuous dehumidification.
- 4.3.6. When the set humidity is reached, the compressor will stop working, and the fan will stop for some time.



**Fig.3**

- 4.3.7. Plug the unit into the mains supply.
- 4.3.8. Press the Stand-by button to turn the dehumidifier on (the power light is lit).
- 4.3.9. Open the air deflector. Press button to scroll through to desired position.
- 4.3.10. Press the "Mode" button, to can choose the operation mode , sequentially: the automatic dehumidifying, continuous dehumidifying, dry clothes dehumidifying , air clean (pre-set is automatic dehumidifying).
- 4.3.11. Set the humidity, please see "Humidity Settings" section 4.6.
- 4.3.12. Set the time, please see "Time Settings" section 4.10.
- 4.3.13. After use, press the Stand-by button and turn off the dehumidifier. **Note:** the dehumidifier will remember the humidity and air speed settings.
- 4.3.14. When starting again, it will enter into previous setting state automatically. (If the plug is pulled out, and then plugged in again, it will restore the initial default)
- 4.4. **WATER TANK refer to fig.1**
- 4.4.1. If the tank is full the dehumidifier will stop automatically, the Tankfull indicator will light up, see fig.3. Disconnect the dehumidifier from the mains supply, empty the water tank, remove it gently and hold with both hands, and replace it properly. If it is not in its proper place the LED will illuminate and the dehumidifier will not work.
- 4.4.2. After replacing the water tank wait five minutes (to preserve the compressor's working life) and restart using the mode selection.
- 4.5. **MODE SELECTION Refer to fig.3**
- 4.5.1. Press the Stand-by button to turn on then press Mode button. Scroll through:
- Automatic:**  
Adjusts the fan speed automatically, in order to reach the most body's most suitable (55%) relative humidity. When the environmental humidity is 70% or higher, the dehumidifier will operate automatically. When the environmental humidity is 55%- 70% , the automatic dehumidifying will work. When the environmental humidity is less than 55%, it becomes the mode of air clean.
- Note:** the humidity can not be adjusted in automatic mode.
- Continuous:**  
Sets the dehumidifier to slowly reach the required humidity setting. It is suitable to use overnight as it gives quiet running and the indoor humidity will not be too high.
- Dry clothes:**  
Humidity can not be set. Especially for a high humidity environment , sets the dehumidifying with no interruptions. Suitable for clothes drying or person who needs low humidity space.
- Air clean:**  
Starts the fan and supplies air for indoor air circulation. Does not start the compressor and has no dehumidifying effect.
- 4.6. **HUMIDITY SELECTION Refer to fig.3**
- 4.7. Humidity can only be adjusted in Automatic mode.
- 4.7.1. Press the up and down keys to select humidity between 30%~ 80%. Note: the default humidity pre-set is 55%.
- 4.7.2. If the indoor humidity is higher than the setting humidity, the compressor will start.
- 4.7.3. If the indoor humidity is lower than the setting humidity, the compressor will shut down.
- 4.7.4. After the 5 seconds, if the humidity display is no longer flashing, the setting has been 'successful'.
- 4.7.5. Continuous dehumidifying : In Continuous mode, continuous dehumidifying can be selected. Press the LED screen's up and down keys on the left and right sides, select the CO (continuous) , meaning that the dehumidifier will operate continuously.
- 4.8. **DIGITAL DISPLAY SCREEN Refer to fig.3**
- 4.8.1. The screen will display the relative humidity and time (depending on the setting).
- 4.8.2. When the dehumidifier is operating at the required humidity mode, the screen will display the environmental humidity.
- 4.8.3. After selecting the timing, the screen will display the running time which the dehumidifier is setting, 1~24 hours.
- 4.9. **TIME SETTING Refer to fig.3**
- 4.9.1. Press the "timing"key, and the LED screen's up and down keys.
- 4.9.2. Select the operation time setting 1-24 hours. After 5 seconds, the timer indicator light will light up continuously (no longer flashing), indicating the setting has been successful.
- Note:** in each mode the time can be set. When the set time has elapsed, the compressor will shut down, the fan will stop running, the dehumidifier will enter into the standby mode.
- 4.10. **DRAIN HOSE CONNECTION (WATER OUTLET) See fig.2**
- 4.10.1. With the drain hose connected water drainage from the dehumidifier is continuous.
- 4.10.2. Remove water plug in the back cover and insert the water pipe into the water outlet.
- 4.10.3. Place the other end into a floor drain.
- 4.10.4. If the water hose is not being used, remove the water pipe and replace the water outlet plug.
- 4.10.5. Whether the water outlet hose is used or not the water tank must be in position otherwise the dehumidifier will not operate.

#### 4.11. NORMAL OPERATIONAL SOUNDS

4.11.1. When the dehumidifier is operating normally the following sounds will be heard:

Compressor: this sound may be louder, this is normal.

When the dehumidifier or the compressor stops and starts and turns off the switch automatically and operates it makes a snapping sound.

Air flowing sound.

#### 4.12. AIR FILTER NET

4.12.1. The filter net needs to be cleaned every two weeks for effective operation of the dehumidifier.

4.12.2. Remove the plug from the mains supply.

4.12.3. Place finger into each of the recesses on the top edge of the filter and push down to allow filter to be removed.

4.12.4. Release net and wash in detergent and warm water (below 40°C). **DO NOT** wash in a dish washing machine or dry in direct sunlight.

4.12.5. Replace in reverse order as above.

### 5. MAINTENANCE

5.1. Use a wet cloth to clean the outside **DO NOT** splash water onto the dehumidifier.

5.2. Clean the inside of the water tank with an antibacterial cleaner every few weeks to avoid the build up of bacteria. The tank has a floating ball water level warning light and must be placed in the right position. The dehumidifier will not work until the light turns off.

### 6. TROUBLESHOOTING

#### Dehumidifier does not work:

- Is dehumidifier plugged in
- Check that water tank is in the correct position
- Check that water tank is not full (empty) and that float ball is in correct position

#### The pipe is frozen:

- The dehumidifier has a defrosting function. The fan keeps working after the compressor stops working. This will solve the problem of a frozen pipe. When the defrosting device reaches room temperature, the dehumidifier will resume operation.

#### The dehumidifier 'runs' without dehumidifying:

(The dehumidifier will blow warmer air when it is working properly).

- Power light lights once per second when it is defrosting
- Power light lights for three seconds then goes out for one second or lights for one second then goes out means there is a fault with the humidity sensor - contact Sealey stockist

#### The dehumidifier runs as soon as it is switched on:

- Check if the dehumidifier is defrosting. After defrosting the dehumidifier will restart automatically after defrosting.

#### Dehumidifying capacity is too weak:

- Check if filter net is blocked - clean
- dehumidifying capacity will be weaker if the temperature and humidity levels are too low
- check if air inlet is blocked - clean

#### Expected humidity takes a long time to be reached:

- check whether doors and windows are open
- check if anything is producing vapour
- check whether the volume of the room is too large

#### Dehumidifier is noisy:

- Check if surface it is placed on is smooth

#### Power light is on:

- humidity sensor and/or temperature sensor broken or loose - contact Sealey stockist

Parts support is available for this product. To obtain a parts listing and/or diagram, please log on to [www.sealey.co.uk](http://www.sealey.co.uk), email [sales@sealey.co.uk](mailto:sales@sealey.co.uk) or telephone 01284 757500.



#### Environmental Protection

Recycle unwanted materials instead of disposing of them as waste. All tools, accessories and packaging should be sorted, taken to a recycling centre and disposed of in a manner which is compatible with the environment.



#### WEEE Regulations

Dispose of this product at the end of its working life in compliance with the EU Directive on Waste Electrical and Electronic Equipment (WEEE). When the product is no longer required, it must be disposed of in an environmentally protective way. Contact your local solid waste authority for recycling information.

**NOTE:** It is our policy to continually improve products and as such we reserve the right to alter data, specifications and component parts without prior notice.

**IMPORTANT:** No liability is accepted for incorrect use of this product.

**WARRANTY:** Guarantee is 12 months from purchase date, proof of which will be required for any claim.



Sole UK Distributor, Sealey Group.  
Kempson Way, Suffolk Business Park,  
Bury St. Edmunds, Suffolk.  
IP32 7AR



01284 757500



01284 703534



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



[sales@sealey.co.uk](mailto:sales@sealey.co.uk)