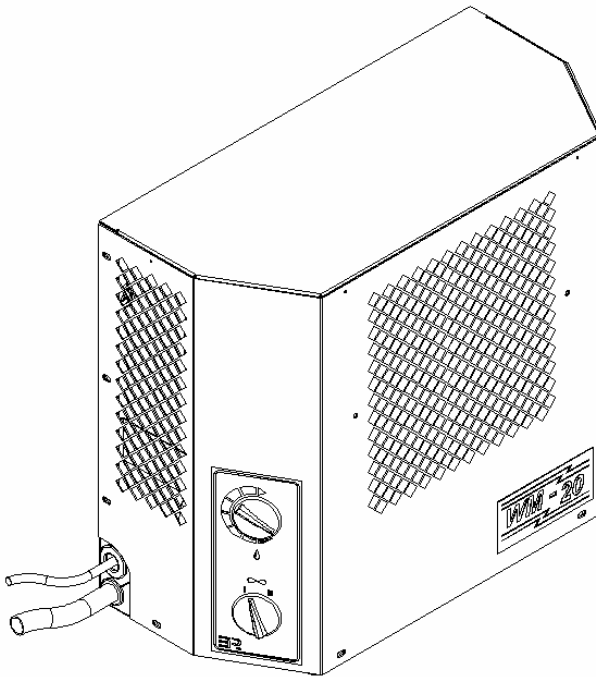




WM20 – MANUAL CONTROLS INDUSTRIAL DEHUMIDIFIER USER MANUAL



Drawing No. :- TPC335
Issue :- 1
Date :- 03/12/08

IMPORTANT

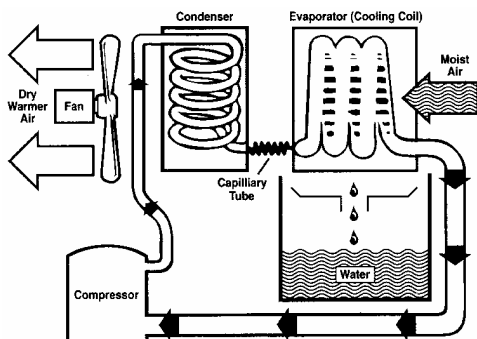
Your EIP Dehumidifier is packed in a plastic wrapper – please ensure that it is disposed of safely and where it will not be a danger to children

INTRODUCTION

Your EIP WM20 Dehumidifier is designed to help dry flooded or damp areas. Ideal where natural drying is just too slow. Drying with a dehumidifier enables fast drying without problems associated with heat drying plaster, etc can crack.

HOW YOUR DEHUMIDIFIER WORKS

Your dehumidifier draws in the moist air, cooling it to a temperature where excess moisture will condense, thereby removing the excess moisture. This in turn dries anything in the immediate area which is damp. The moisture is collected in the water container. The air is rewarmed and passed back approximately 2°C warmer.



OPERATING YOUR DEHUMIDIFIER

CHOOSE YOUR LOCATION.

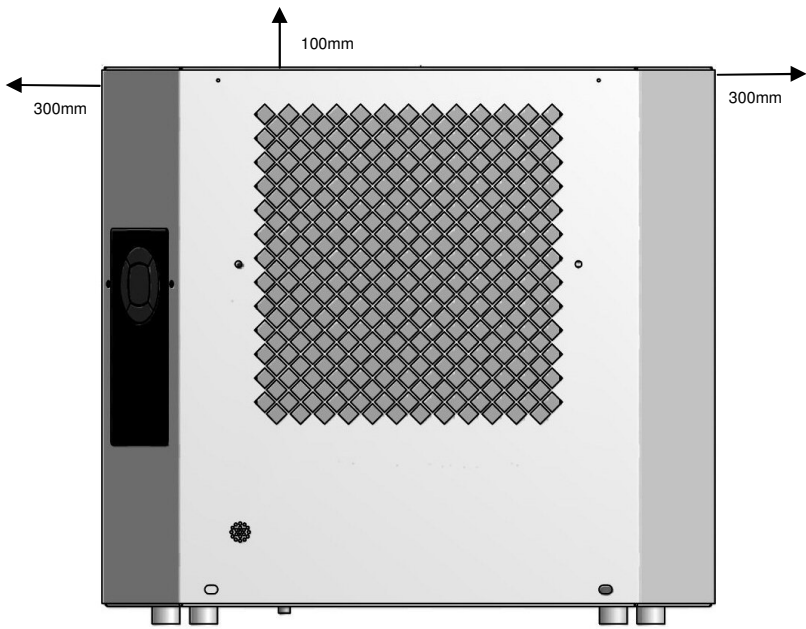
The WM20 draws the air in, through the airfilter fitted to the front cover, and discharges the dry air through the outlet grilles on either end of the unit. In order to clean the airfilter the cover must be first removed.

The ideal location should meet the minimum dimensions shown on the the drawing Recommended Minimum Distances. Maintaining these dimensions will ensure the dehumidifier airflow is un restricted, thereby keeping the units optimum performance, and also ensure the unit is easy to operate and maintain.

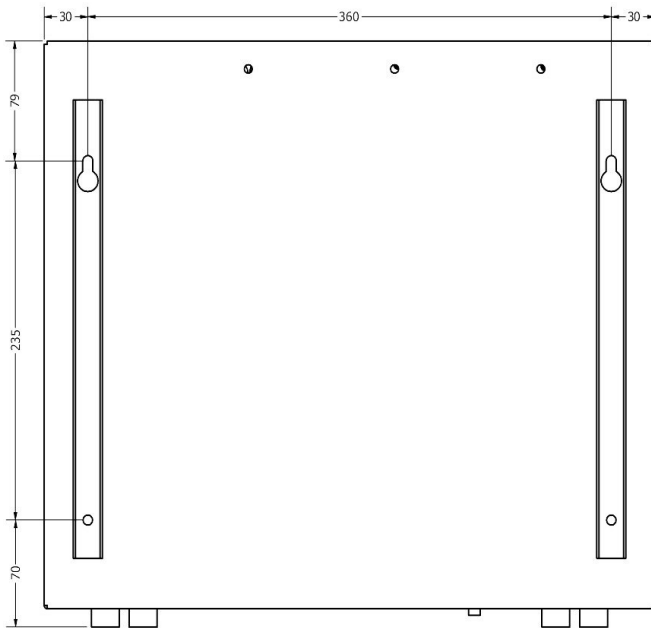
The WM20 is supplied complete with a wall mounting bracket and suitable wall plugs and screws.

INSTALLATION

- Drill the wall for the top 2 mounting holes in accordance with the drawing Mounting Hole Centers.
- Fit the wall plugs and screws to these 2 holes, leaving the screws partially loose by approximately 15mm
- Lift and clip the dehumidifier onto these 2 screws.
- Check to ensure the unit is level before fully tightening (**failure to ensure the unit is level may result in the unit flooding**).
- Mark the wall, through the bottom mounting holes in the dehumidifier, in order to obtain an accurate position.
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Recommended Minimum Distances



Mounting Hole Centres

OPERATING YOUR DEHUMIDIFIER

The amount of moisture removed by your dehumidifier will vary according to the conditions in which it is operating. For example, operating in very cold temperatures will reduce water extraction levels.

The time taken to dry an area will depend on the size of area to be dried and level of moisture to begin with. To achieve maximum benefit from your dehumidifier, you should ensure :-

- a) It is permanently connected to the mains and controlled via the Humidistat
- b) It is not switched off for long periods of time due to an incorrect setting of the Humidistat or because the condensate pump is not working.
- c) Door to areas not to be dried are kept closed.
- d) External doors and windows are kept closed as much as possible.

CONTROLS

Your dehumidifier is fitted with an adjustable humidistat and fan speed control.

SWITCHING ON YOUR DEHUMIDIFIER

Before connecting it to the mains you should ensure that the humidistat is turned fully clockwise. Once connected to the mains power, the humidistat control should be turned anti-clockwise until you hear the unit operate.

To protect the compressor, you should allow 5 minutes between switching the dehumidifier off and on again.

OPERATING THE HUMIDISTAT

The humidistat works in a similar way to a central heating thermostat, but instead of measuring temperature, it measures the amount of moisture in the air. You may select the level of moisture you require (known as Relative Humidity) and the unit will operate to achieve that level and then switch off.

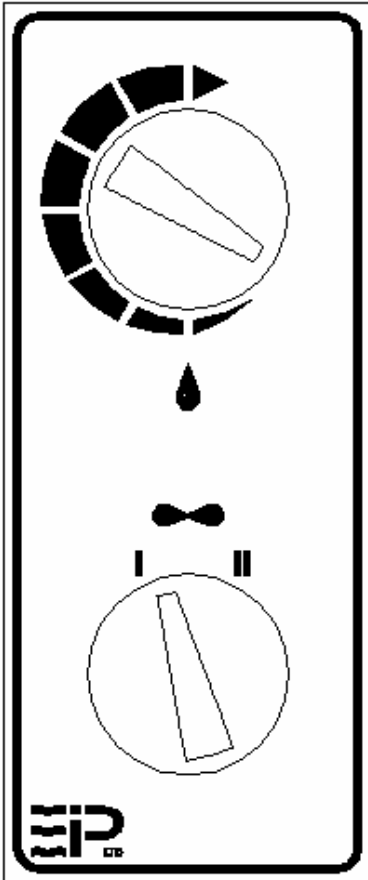
As a general guide, the higher the setting the lower the Relative Humidity will be before the machine switches off. Therefore the machine will operate longer to achieve this.

If the dehumidifier switches off and drying is not complete it is possible that the humidistat setting is too low and may need increasing (turn clockwise). Conversely, if you no longer have condensation and the unit is still operating, then the humidistat setting may need reducing (turn anti-clockwise).

FAN SPEED CONTROL

The unit has a fan speed selection switch which provides two fan speeds. The higher fan speed will give a slightly higher level of moisture extraction when required. The lower fan speed allows the unit to run in quiet mode as required in occupied premises, when the lower fan speed is selected the extraction rate will be slightly lower.

Control Panel Layout



Humidistat control knob.

Fully anti-clockwise – Unit Off

Fully clockwise – Unit set to maximum extraction

Fan speed control knob

I – Quite operation / lower extraction

II – Louder operation / higher extraction

USER MAINTENANCE

AIR FILTER REMOVAL AND CLEANING

The WM20 has a filter to remove dust from the air and also protect the unit. This requires cleaning and we recommend that the filter is inspected and cleaned every 4 weeks. Failure to do so will reduce the efficiency of your WM20.

To access the filter the cover of the unit must first be removed.

!! DISCONNECT THE POWER LEAD FROM THE WALL SOCKET BEFORE COMMENCING !!

Remove all the screws around the outside edges of the cover, carefully withdraw the cover and disconnect the cable attached to the control panel.

Remove the filter from the filter holder located on the inside of the cover.

Clean using a vacuum cleaner on a low power setting, or replace the filter material. Refit in reverse order

IF YOUR DEHUMIDIFIER FAILS TO OPERATE

1. Check that the plug is fully pushed into the socket and is switched on.
2. Check with some other electrical device that the wall socket is "live". If it is not, contact a qualified electrician.
3. Check the fuse in the plug. If you replace the fuse, refit with a 13Amp fuse.
4. Check the humidistat control is turned clockwise.
5. Check that the water container is not full.

Should none of the above remedies work, then disconnect from the mains. Contact the help line on 01388 664400. DO NOT attempt to repair the unit or unscrew the outer casing.

ELECTRICAL CONNECTIONS

If the appliance is fitted with a plug for which your socket is unsuitable, then it should be cut off and an appropriate plug fitted..

This appliance complies with the suppression requirements of the EEC direction 82/199/EEC as embodied in BS800:1988.

IMPORTANT:- The wires in this mains lead are coloured in accordance with the following code:-

Green & Yellow	Earth
Blue	Neutral
Brown	Live

As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your own plug, proceed as follows:

The wire which is coloured Green and Yellow must be connected to the terminal in the plug which is marked with the letter E or by the Earth Symbol or coloured Green and Yellow. The wire which is coloured Blue must be connected to the terminal in the plug which is marked with the letter N or coloured Black. The wire which is coloured Brown must be connected to the terminal which is marked with the letter L or coloured Red.

You must dispose of the non rewirable plug once it has been removed from the flexible cord. It is dangerous to attempt to insert the plug into any electrical socket elsewhere in the house. If the flexible cord becomes damaged it must be replaced by an identical cord.

CHANGING THE FUSE

Only 13 Amp fuses that are ASTA approved to BS1362 should be used.

The fuse cover must be refitted after replacement of the fuse. In the event of the fuse cover being lost or damaged, the plug must not be used until a replacement is obtained. Replacement fuse covers, which must be coloured BLACK, are obtainable from electrical retailers.

IMPORTANT INFORMATION

- a) Do operate the dehumidifier with the covers removed
- b) This machine should be serviced by qualified personnel or other persons having technical competence servicing refrigeration equipment following the instructions in the EIP service manual.
- c) EIP service manuals and spares lists are available upon request.
- d) Do not use the machine if the power cord or cabinet are damaged.
- e) Do not poke objects into and of the grilles on the machine.
- f) Do not cover or obstruct the air inlet or outlet.
- g) When running, the noise level of this machine is less than 70dba
- h) This machine complies with the electromagnetic compatibility 1992 regulations.
- i) This machine has been manufactured in the United Kingdom.
- j) Ensure this unit is protected by a 13A Circuit
- k) Additional information may also be available through our website www.eipl.co.uk

WARNING – THIS APPLIANCE MUST BE EARTHED

TECHNICAL SPECIFICATIONS

WM20 Dehumidifier	230V/50Hz/1 Phase
Height	390 mm
Width	425 mm
Depth	210 mm
Weight	18 kg
Min Operating Temperature	3 °C
Max Operating Temperature	35 °C
Max Water Extraction (24hrs)	18 L
Power Consumption	300 W
Running Current	1.9 A
Fuse Rating (UK)	13 A
Pump Capacity	0.2lts @ 1.5m



Available from
AirControl Systems
Andil House
Trowbridge
BA14 8BR
Tel - 01225 752494
Fax – 01225 763486
www.dehumidifiers-direct.co.uk