



Revision 1: Dated 29 / 06 / 2011

Mobile Dehumidifiers

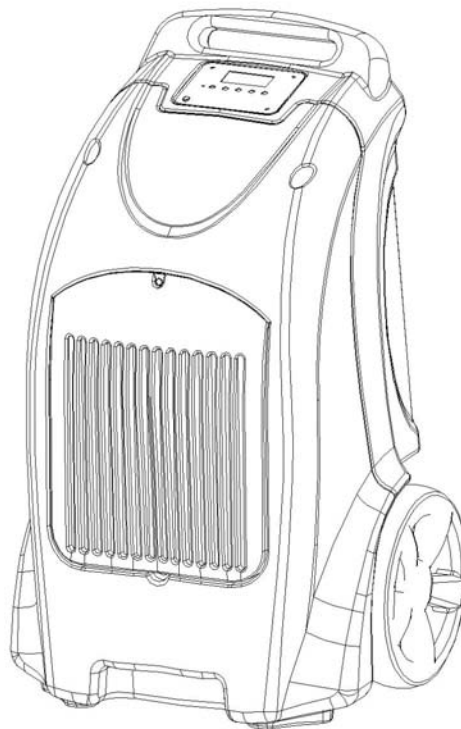
115V Models

DriStorm134H, DriStorm184H

With Humidistat & Timer Control

DriStorm134, DriStorm184

With Timer Control



TECHNICAL SERVICE MANUAL



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Model: DriStorm134, 134H, 184,184H

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Q1: How to service the HAF filter?

A1:

Step 1:

Using hand to undo the screws



Step 2:

Slide the inlet cover from bottom to top.



Step 3:

Using the air gun to blow the dust off the HAF filter.





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Q2: How to dismantle the front casing for servicing?

A2:

Step 1:

Using the "Allen Driver" to undo the two "HEX SOCKET CAP SCREWS" on the top.



Step 2:

Using the "Hex screwdriver" to open the bottom screws at the bottom.



Step 3:

Using the "Hex screwdriver" to open the back bottom side of the front casing.





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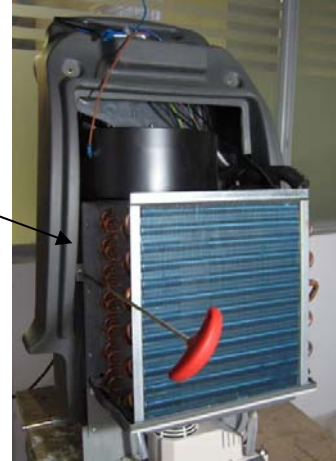
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Q3: How to detach the back casing from the main body for servicing?

A3:

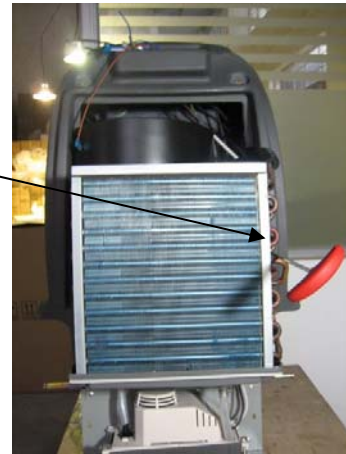
Step 1:

Release the wire attached at the top of the casing.
Using the "Allen Driver" to undo the two "HEX SOCKET CAP SCREWS" on the left.



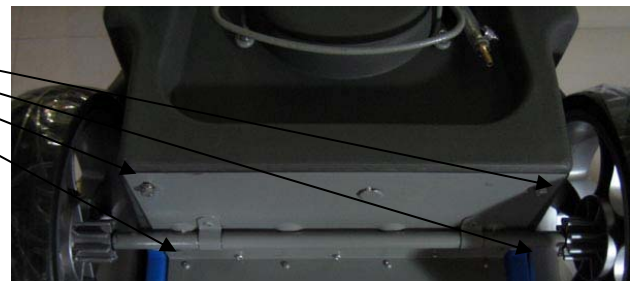
Step 2:

Using the "Allen Driver" to undo the two "HEX SOCKET CAP SCREWS" on the right.



Step 3:

Using the "Hex screwdriver" to open the four bottom screws at the bottom.





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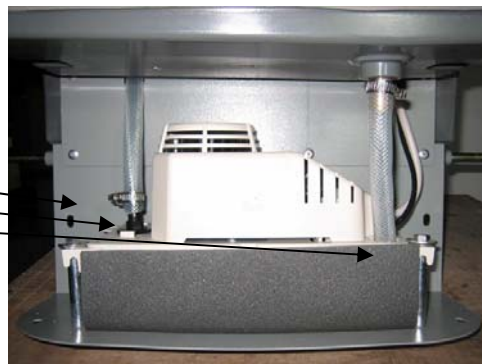
Q4: How to change the pump?

A4:

Step 1:

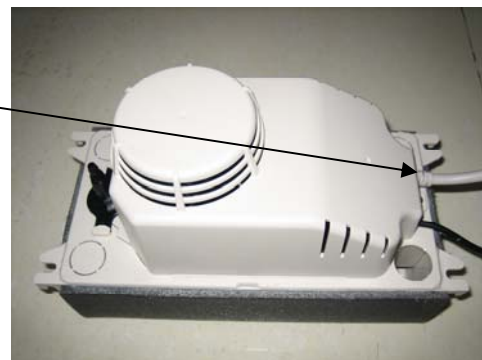
The pump is located at the bottom of the dehumidifier.

- Undo four screws (two in the front and two at the bottom).
- Disconnect the piping.
- Pull the tube out of the pump.



Step 2:

Undo the screw and open top covering of the pump.



Step 3:

Unplug the connector and plug back a new pump.



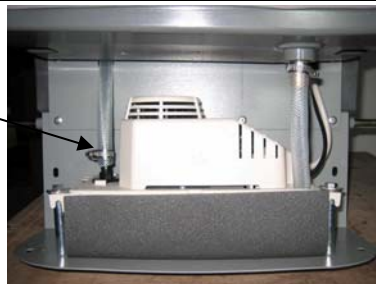


Q5: How to solve the dehumidifiers leaking problems?

A5:

Step 1:

Please check whether the piping, which connected to the outlet of the pump, is kinked. You might need to dismantle the back casing to check the piping all the way to the back as well.



Step 2:

Check pump whether is working properly or not

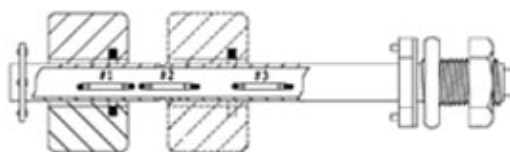
- Press the “Purge” button on the control panel and check there is any water has been pump out.
- Put your hand onto the top of the top cover and check whether there is any air movement.



Step 3:

The floating switch in the pump is malfunction, which led to the water in the reservoir can't be pumped out as it needs.

- a) Open the pump top cover and check whether the floating switch has been tightened and installed in vertical position.
- b) Open the reservoir covering to check whether the floater is blocked by the dirt and can't move upward and backward smoothly. If that is the case, cleaning the shaft and the reservoir.
- c) Check whether the floating switch is function or not by using electronic multimeter. See the figures and description on the right.



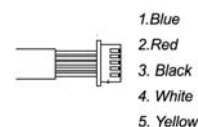
From left to right, #1, #2 & #3 switches are located in the shaft respectively as shown in the above figure.

#1 switch is related to Yellow & White wires.

#2 switch is related to Black & White wires;

#3 switch is related to Blue & Red wire;

Note: white color wire is the common wire of #1 & #2 switches





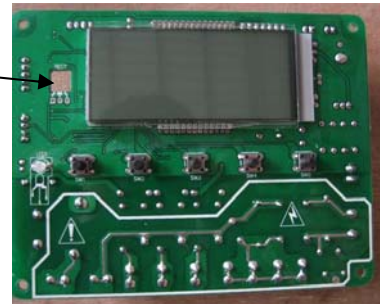
Q6: The difference between the DriStorm 1XX models and DriStorm 1XXH models?

A6:

1. Electronic Board

DriStorm 134H,184H

- There is a hole on the electronic board.
- There is an extra socket for humidistat sensor.
- Some sockets are located in different way.



Front



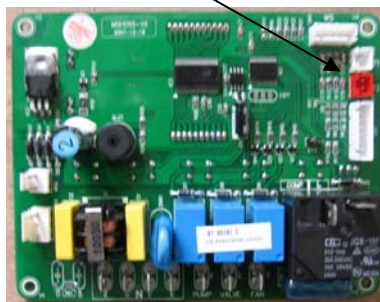
Back

DriStorm 134,184

- There is no hole on the electronic board.
- Some sockets are located in different way.



Front



Back



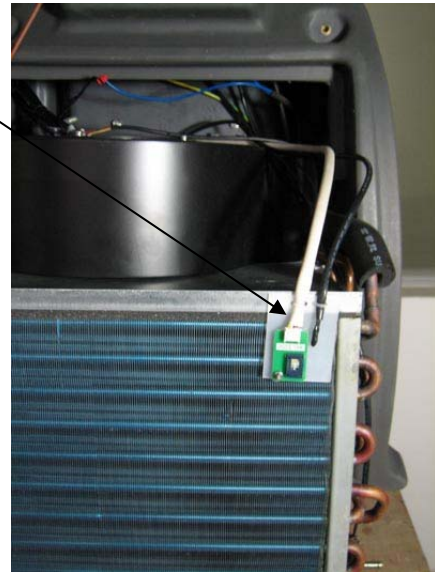
Q6- Continue: The difference between the DriStorm 1XX models and DriStorm 1XXH models?

A6- Continue:

2. Sensors

DriStorm 134H, 184H

- The Humidistat sensor & ambient temperature sensor are located in the front of the coil.



DriStorm 134, 184H

- Only the ambient temperature sensor is located in the front of the coil. There is no Humidistat sensor.





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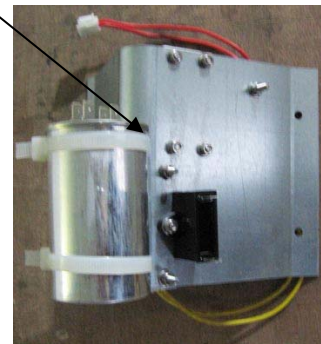
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Q7: Where are the transformer, compressor capacitor, fan capacitor, terminal block are located?

A7:

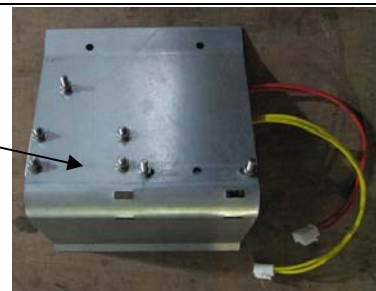
DriStorm 134, 134H

- The transformer & terminal block are installed onto the curve shape metal plate, just underneath the control panel.
- The compressor capacitor (round shape) & fan capacitor (square shape) are also located at the back of the curve shape metal plate, just underneath the control panel.



DriStorm 184, 184H

- The compressor capacitor (round shape) & fan capacitor (square shape) are NOT located at the back of the curve shape metal plate, just underneath the control panel.
- The compressor capacitor (round shape) & fan capacitor (square shape) are also located at the back of the square shape metal plate, which is installed at the back casing.





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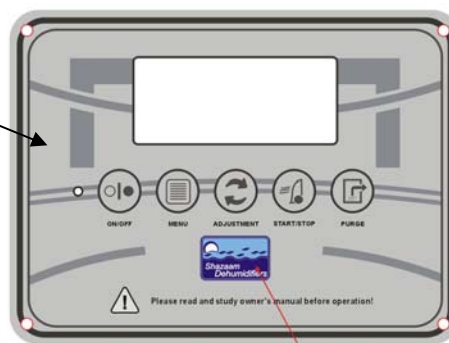
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Q8: How to change the DriStorm 134, 184/ DriStorm 134H, 184H touch pad control panel?

A8:

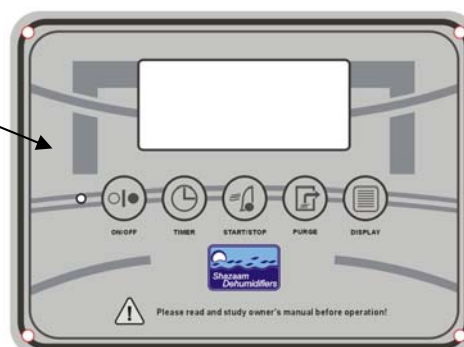
DriStorm 134H, 184H

- Undo the four screws on the control panel. Slightly move the control panel out of the plastic casing.
- See Annex 1 for DriStorm 134H, 184H schematic diagram showing you how to connect the wires.
- The image on the right showing you what does the control panel look like.



DriStorm 134, 184

- Undo the four screws on the control panel. Slightly move the control panel out of the plastic casing.
- See Annex 2 for DriStorm 134,184 schematic diagram showing you how to connect the wires.
- The image on the right showing you what does the control panel look like.





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Q9: The machine can't turn on and there is no display on the LCD of the control panel.

A9:

Step 1: Check input power is 115V/60Hz or not.

Step 2: Check the BROWN color wire from the terminal block (L terminal) to the Relay on electronic board is well connected or not.

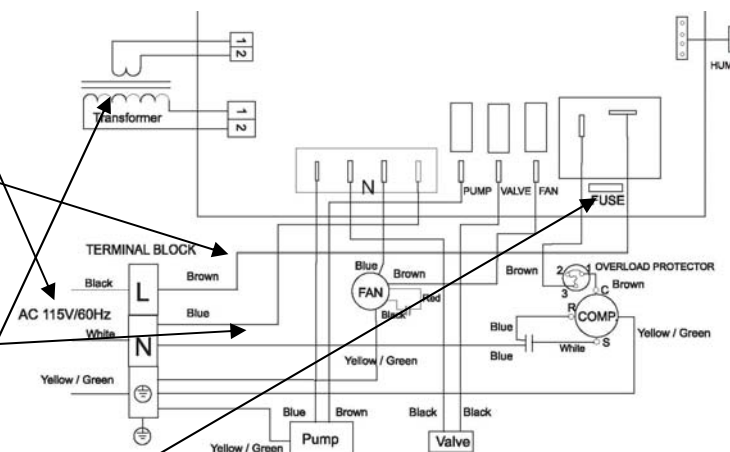
Step 3: Check the BLUE color wire from the terminal block (N terminal) to N terminal on the electronic board is well connected or not.

Step 4: Check the output of the transformer voltage is in correct value (11V) or not.

Step 5: Check the fuse on the electronic board.

Step 6: If it is still not solve the problem, change another electronic board.

Note: Please refer back to the schematic diagram in Annex 1 & 2.





Q10: The machine is not function, no water come out

A10:

Step 1: After turn on the machine, pressing on the “Dehumidifier” button on the control panel and check whether there is a “Water Drop” icon show up on the LCD. If not, please change another control panel.

Step 2: Investigate whether the compressor is working or not by checking the evaporation coil is getting cold or not.

If not, please check the followings,

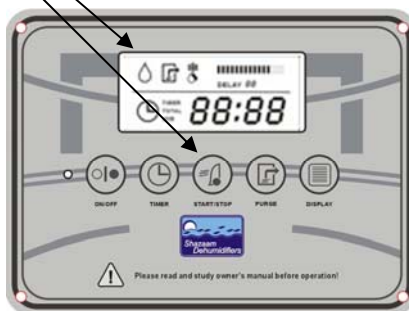
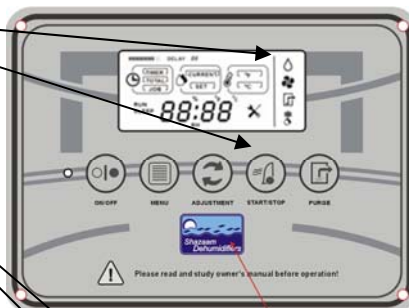
- Whether the wires from the compressor end to the electronic end are connected properly.
- Check whether the compressor capacitor is connected well and functioned well or not.
- Check Overload Protector of the compressor is connected well and functioned well or not.

Note: Please refer back to the schematic diagram in Annex 1 & 2.

Step 3: Please check the fan is working or not.

- Check the wires are connected well or not.
- Check the fan capacitor is connected well and functioned well or not.

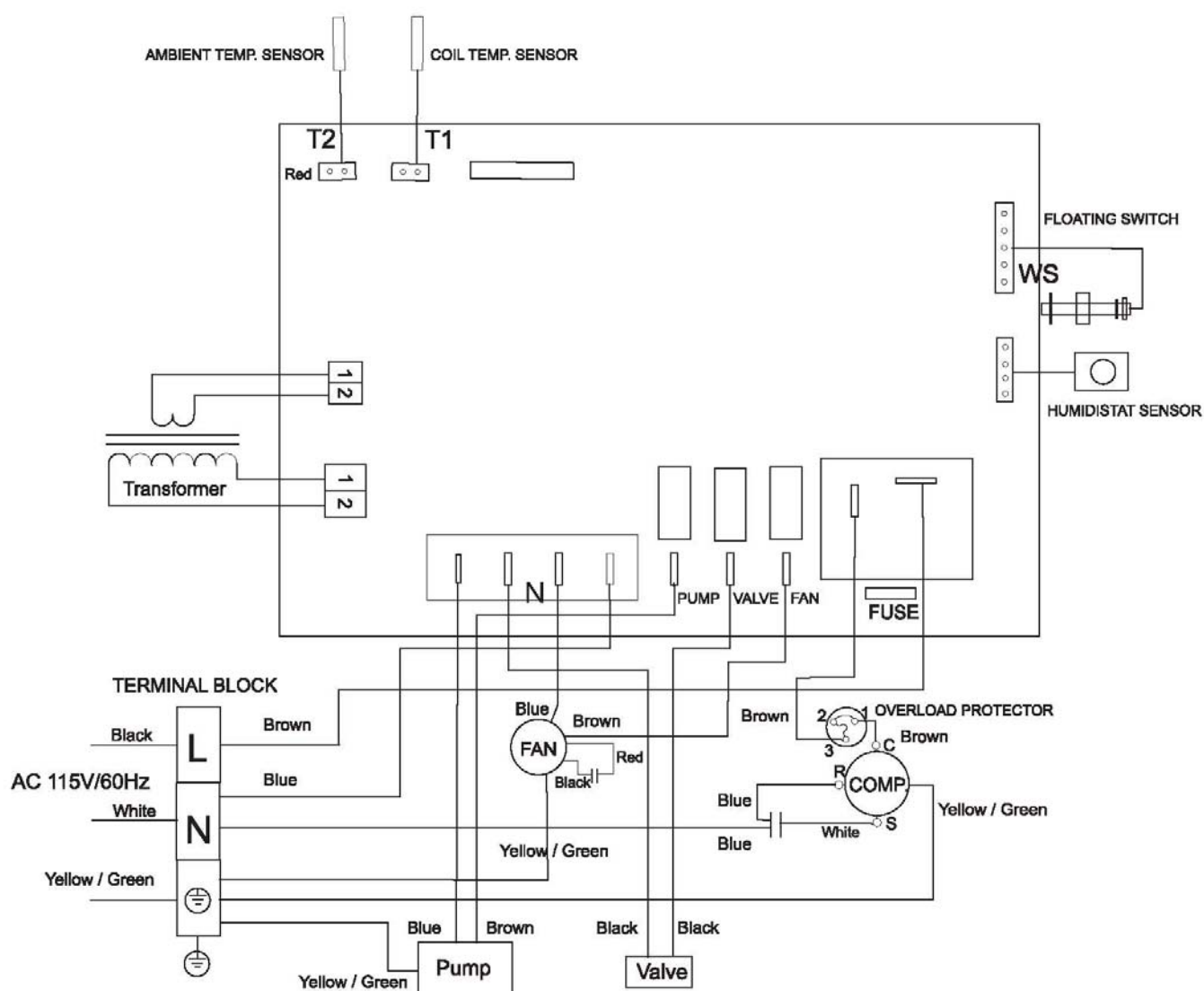
Note: Please refer back to the schematic diagram in Annex 1 & 2.





Annex 1:

SCHEMATIC DIAGRAM – Model: DriStorm 134H, 184H





Annex 2:

SCHEMATIC DIAGRAM – Model: DriStorm 134, 184

