

## ACCS-DURA-023 – Electrical defrost heater

Thank you for purchasing our electrical defrost heater. This heater will prevent the formation of excessive ice on the bottom of your heat pump.

### 1. Specification:

220V power supply  
70W heating element

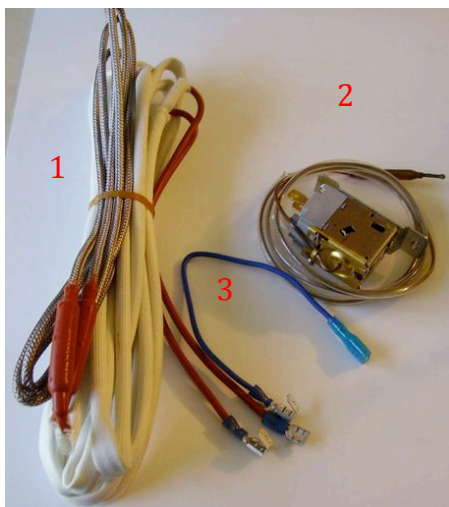
### 2. Operation:

Heating starts when the ambient temperature drops below 3°C and it stops as soon as the ambient temperatures gets to 6°C or higher.

### 3. Configuration:

The picture below is showing us the different elements of our heater:

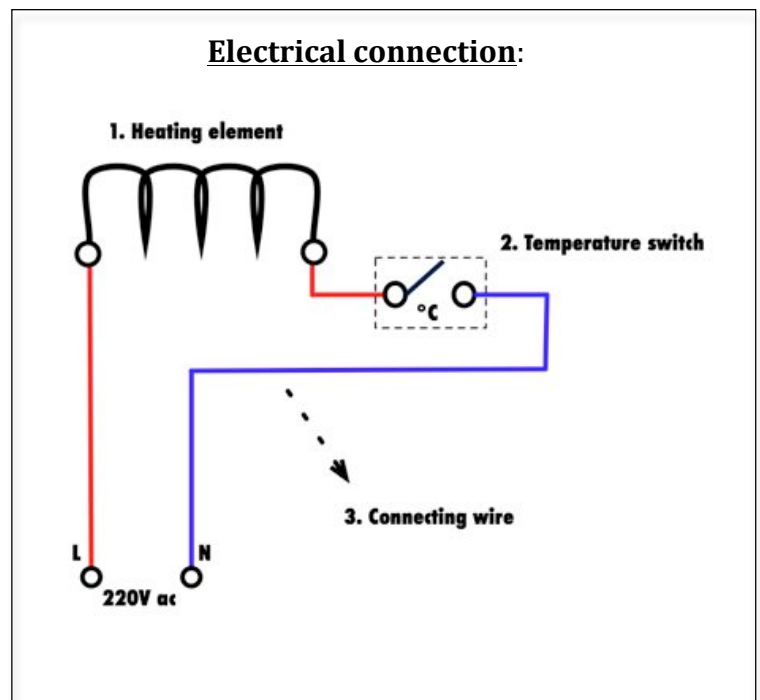
1. The heater itself (ACCS-DURA-022)
2. The ON/OFF switch, temperature controlled (ACCS-DURA-024)
3. Connection wire (ACCS-DURA-026)



4. Mechanical fixture:



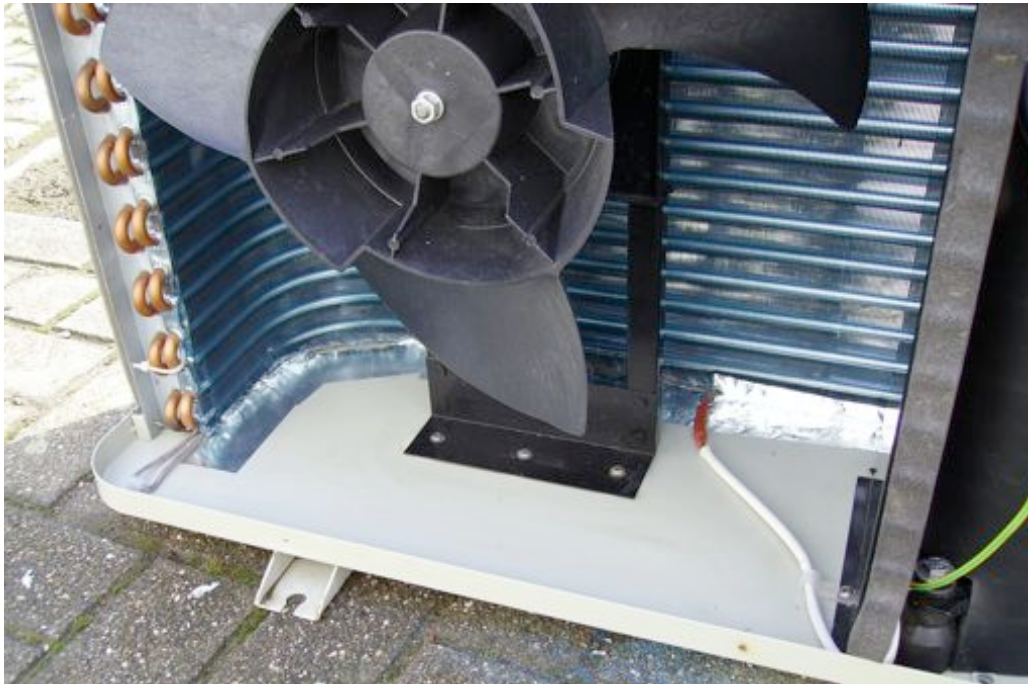
2x Screws (ACCS-DURA-007)  
2x Cable tie (ACCS-DURA-029)



5. **Installation:**

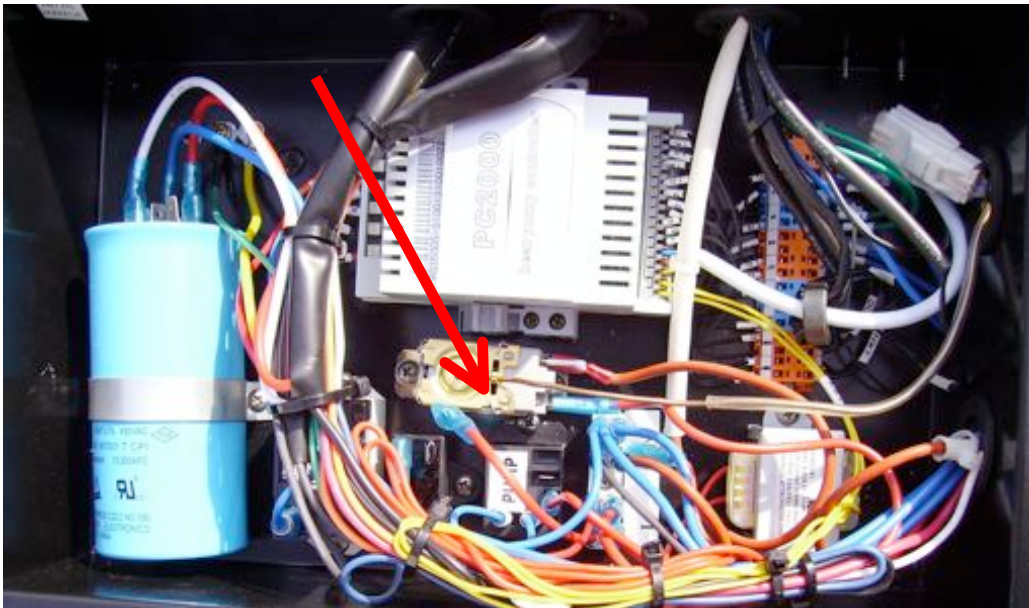
**Installation of the electrical heater**

The heater has to be placed on the bottom plate of the heat pump, straight under the evaporator. The wires have to be lead into the electrical compartment. Keep the heater in place using metal tape for an excellent heat transfer.



### **Installation of the temperature switch**

This switch has to be installed in the electrical compartment of the heat pump as shown in the picture. Two 3mm holes need to be drilled for the screws.



The temperature sensor of the switch needs to be installed at the back of the heat pump as shown in the picture (**outside the heat pump**). One 3mm hole is required for the screw.





## 6. Electrical connections

The wires of both the heater and the connection wire are provided with a standard female faston plug on one end and a combined male/female faston plug on the other end.

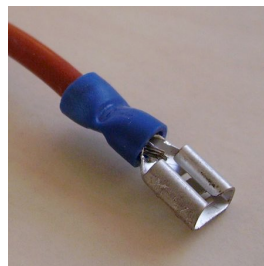
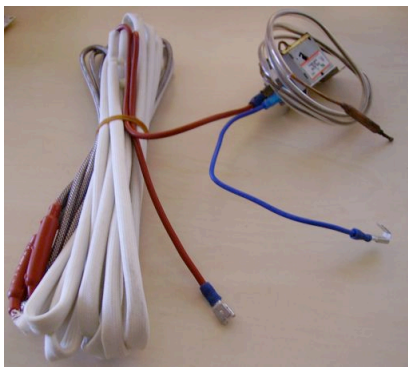
### Electrical connection of the heater

The male/female plug of the heater has to be connected to the **L** terminal block of the mains supply. In case there is a free socket on the **L** terminal block, you can immediately connect the wire. In case there is no free socket, you can disconnect a wire on the **L** terminal block and plug the cable end of the heater with the male/female plug in its place. Plug the disconnected wire in the male part of the combination plug.

The standard female plug of the other wire end of the heater goes to **terminal H** of the temperature switch.

### Connecting the connection wire

The male/female plug of this short blue wire has to be connected to the **N** terminal block of the mains supply or the N terminal connection block "02". In case there is a free socket on the **N** terminal, you can immediately connect the wire. In case there is no free socket, you can disconnect a wire on the **N** terminal and plug the cable end of the connection wire with the male/female plug in its place. Plug the disconnected wire in the male part of the combination plug. The standard female plug of the other wire end of the connection wire goes to **terminal C** of the temperature switch.



Female plug



Male/female plug

Do not remove the white sleeve on **terminal L** of the temperature switch. This terminal should not be used!!!

