



SunDanzer
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Thermostat Change Instructions

Parts needed:

Thermostat and appropriate wire with female connectors. Note: for refrigerator operation there is no resistor in the wire. For freezer operation, there is a resistor in the wire that makes the compressor run at a higher speed providing more cooling capacity.

*Danfoss 101N0300 AEO electronics unit sets speed automatically, no resistor needed.

SunDanzer Model	Recommended Danfoss Thermostat	Resistor/ BD50F Compressor Speed
DCR165 - 5.8cu.ft. fridge	077B 0028	None/2000 RPMs
DCF165 - 5.8cu.ft. freezer	077B 0021	277 Ohm/2500 RPMs
DCR225 - 8cu.ft. fridge	077B 0028	None/2000 RPMs
DCF225 - 8cu.ft. freezer	077B 0021	1523 Ohm/3500 RPMs

Tools needed:

- A. Phillips screw driver
- B. Standard straight screw driver (small head, less than 1/4in or 0.5cm)
- C. 14mm socket (at least 1.5in or 4cm in length, approximately 5/8in or 1.7cm OD)

Instructions:

Electrical Hazard – Always disconnect from the power source BEFORE changing a thermostat!



Remove screws from side cover and remove, pulling out top edge first.



Use screw driver to pry out knob. The knob should slide off fairly easy. Only pry it our far enough (about 1/4 inch) that it can be removed by hand from the front of the unit.



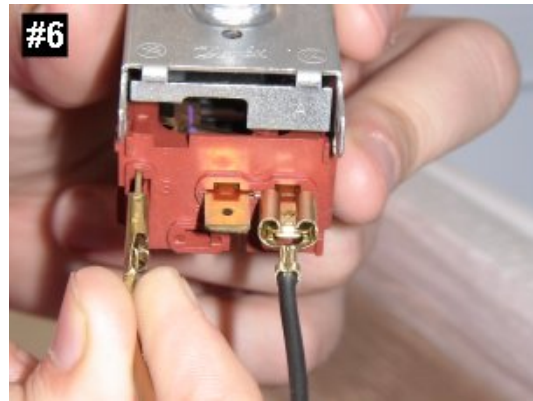
Use 14mm socket to remove the thermostat jam nut. Be sure to keep this nut for use with the replacement thermostat!



Remove thermostat from front plate. Be careful not to damage the front plate.



Pull thermocouple line from plastic tube. Be very careful not to kink this line!



Remove wires from thermostat. Note the location of each wire and replace on new thermostat.



Carefully unwind approximately 30 inches (76 cm) of the thermocouple line. Again, be careful not to kink this line. Insert it into the plastic tube until it stops – approximately 24 in/61 cm. Do not try to force the line past this point.



Carefully insert the thermostat into the faceplate.



Tighten the thermostat jam nut. Do not over-tighten, or you may crack the faceplate.



Replace the side cover, inserting the bottom of the screen, then pushing the top into place. Replace screws.