

## Dometic Thermostat Replacement – Step by Step

This process document corresponds to the YouTube video: [Dometic Thermostat Replacement – Step-By-Step](#). Please watch this video to gain a visual understanding of the process.

Please be aware that this DIY job is not for everyone, and you need to review this process carefully before deciding to take on this task. I don't consider this job too difficult for the average RV owner, but if you are uncomfortable with any step in this process, please consult a professional.

### **Tools Required**

Phillips screwdriver

Very small flathead screwdriver

Needle nose pliers

LED light

### **First – Remove the fuse that powers the thermostat.**

Use a pair of needle-nose pliers and remove the appropriate fuse that powers the thermostat. There should be no power to the thermostat while working on it. The thermostat was not labeled on my fuse box, so I did have to test to see which fuse powered the thermostat. Be aware that removing this fuse may also kill the lighting in your cabin, so it is a good idea to do this task during the daytime or while using an LED headlight.

### **Next – Remove the thermostat's faceplate.**

The faceplate on the Dometic CT Single Zone thermostat comes off fairly easily. Simply pull the faceplate off from the top or bottom, and it should detach fully. As with any plastic piece, go slowly and apply limited pressure to the piece.

### **Next – Take a picture of the wire connections.**

Use your smartphone or another digital camera and take a picture of the wire connections of the colored wires inside the thermostat housing. You will need this as a reference later when you reattach the wires to the new thermostat.

### **Next – Loosen the wire connection screws and remove the wires.**

Loosen the screws on the thermostat's terminal using the small flathead screwdriver. The colored wires should be loose once you've done this. You can then gently pull the colored wires out of the terminal.

### **Next – Remove the screws that hold the thermostat housing to the wall.**

Using your Phillips screwdriver, remove the screws that hold the thermostat's housing to the wall. Usually, two screws hold the thermostat flush to the wall, and they should come out easily.

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### **Next – Remove the wires from the existing thermostat and stow the thermostat.**

With the thermostat housing free from the wall, pull the colored wires through the housing from the back. At this point, the old thermostat housing should be free from the wires. Finally, remove the thermostat from your working area to avoid confusing it with the new unit.

### **Next – Feed the wires into the new thermostat.**

Carefully feed the wiring into the new thermostat housing through the hole in the rear of the unit.

### **Next – Arrange the colored wires.**

Order the colored wires so that each wire lines up correctly with the thermostat's wiring terminal. Use the picture of the connected wires, taken earlier, to confirm the proper order of the wires.

### **Next – Connect the wires.**

Fully insert each colored wire into its correct position in the terminal and tighten the set screws. [https://youtu.be/wVsA5\\_4M6nk](https://youtu.be/wVsA5_4M6nk) Test that each colored wire is seated tight into its terminal seat. Tug lightly on each wire to ensure the set screws are properly torqued and the wires can't easily come out of their terminal seats.

### **Next – Reattach the thermostat housing.**

Using your Phillips screwdriver, reattach the thermostat's housing to the wall using the original mounting screws. Ensure the thermostat's housing is flush and secure against the wall.

### **Next – Reattach the thermostat's faceplate.**

Attach the thermostat's faceplate by installing it at the bottom at a slight angle, then angling the top of the faceplate into the housing. It should snap into the housing without having to be forced.

### **Next – Reinstall the fuse for the thermostat.**

Using the needle nose pliers, reinsert the fuse for the thermostat into the electrical panel. You should immediately see the thermostat display light up when the fuse is installed.

### **Next – Test the thermostat for all functions.**

With power to the new thermostat, test every function, including all fan speeds, the air conditioning, and the furnace. Test all fan speeds with the A/C and then the furnace to ensure that each fan function works correctly in coordination with each appliance.

Congrats!