

Supco SC1002

Supco SC1002 Universal Freezer Cold Control Instruction Manual

Model: SC1002

INTRODUCTION

This manual provides essential instructions for the installation, operation, and maintenance of your Supco SC1002 Universal Freezer Cold Control. Please read this manual thoroughly before installation and use to ensure proper function and safety. The Supco SC1002 is designed as a direct replacement for various refrigerator and freezer models, offering reliable temperature regulation.

PRODUCT OVERVIEW

The Supco SC1002 is a universal cold control designed to regulate the temperature within refrigerators and freezers. It is engineered to meet or exceed OEM specifications, providing a durable and effective solution for temperature management. This control features a wide temperature range and multiple mounting options for versatile application.

Key Features:

- **Universal Compatibility:** Designed as a direct replacement for most refrigerators and freezers.
- **Flexible Mounting:** Offers three installation options: suction cup, Velcro, or screw mount.
- **Wide Temperature Range:** Operates within -6°F to 39°F (-21°C to 4°C).
- **Reliable Performance:** Built to meet or exceed original equipment manufacturer (OEM) specifications.

Compatibility:

The SC1002 is a highly compatible universal part. It replaces common model numbers such as TJ90SC1002, AP4503077, CC-1, and GC1002, among others.

SETUP AND INSTALLATION

Warning: Before beginning any installation, ensure the appliance is completely disconnected from its power source

to prevent electrical shock. If you are unsure about any step, consult a qualified technician.

1. **Power Disconnection:** Unplug the refrigerator or freezer from the wall outlet.
2. **Access Existing Control:** Locate the existing cold control within your appliance. This may require removing access panels or internal components.
3. **Disconnect Wiring:** Carefully disconnect the electrical wiring from the old cold control. Note the position of each wire for correct re-connection. Taking a photograph before disconnecting can be helpful.
4. **Remove Old Control:** Detach the old cold control from its mounting.
5. **Mount New Control:** The Supco SC1002 offers three mounting options:
 - **Suction Cup:** Press the suction cup firmly against a clean, smooth surface.
 - **Velcro:** Apply the adhesive-backed Velcro strips to the control and a clean surface within the appliance.
 - **Screw Mount:** Use appropriate screws to secure the control through the designated mounting holes.

Choose the most suitable and secure method for your appliance.

6. **Connect Wiring:** Connect the electrical wires to the new SC1002 cold control, ensuring they match the original configuration. Refer to any wiring diagrams provided with your appliance or the old control.
7. **Secure Components:** Re-install any access panels or components that were removed.
8. **Power Reconnection:** Plug the appliance back into the wall outlet.



Image: The Supco SC1002 Universal Freezer Cold Control, showing the temperature dial, model number, and wiring terminals. This image illustrates the physical appearance of the control unit.

OPERATING INSTRUCTIONS

The Supco SC1002 features a rotary dial for temperature adjustment. The dial typically ranges from "OFF" to "COLDER" or numbered settings, allowing you to select the desired temperature level.

Temperature Settings:

- **OFF:** Turns the cooling function off.
- **Warmer Settings (e.g., 1-3):** Corresponds to higher temperatures within the operating range.
- **Colder Settings (e.g., 7-9 or "Colder"):** Corresponds to lower temperatures within the operating range.

Recommended Operation:

1. **Initial Setup:** After installation, set the dial to a medium setting (e.g., 5 or mid-range between "OFF" and "COLDER").
2. **Monitor Temperature:** Allow several hours for the appliance to reach the set temperature. Use an appliance thermometer to verify the internal temperature.
3. **Adjust as Needed:** If the temperature is too warm, turn the dial towards "COLDER" or a higher number. If it's too cold, turn it towards "OFF" or a lower number. Make small adjustments and allow time for the temperature to stabilize before making further changes.

Temperature Range Specifications:

- **Overall Range:** -6°F to 39°F (-21°C to 4°C)
- **Range Cold:** -6°F to 1°F (-21°C to -17°C)
- **Range Medium:** 17°F to 24°F (-8°C to -4°C)
- **Range Warm:** 32°F to 39°F (0°C to 4°C)
- **Differential:** 7°F (This is the temperature difference between when the compressor turns off and turns back on.)

MAINTENANCE

The Supco SC1002 Universal Freezer Cold Control is designed for reliable, long-term operation with minimal maintenance. However, periodic checks can help ensure optimal performance.

- **Visual Inspection:** Periodically inspect the control and its wiring for any signs of damage, corrosion, or loose connections.
- **Mounting Security:** Ensure the control remains securely mounted using your chosen method (suction cup, Velcro, or screws). Re-secure if necessary.
- **Cleanliness:** Keep the area around the control clean and free from dust or debris, which could potentially interfere with its operation.

No user-serviceable parts are inside the sealed control unit. Do not attempt to open or repair the control itself.

TROUBLESHOOTING

If your appliance is not maintaining the desired temperature or exhibiting unusual behavior after installing the SC1002, consider the following:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Appliance is too warm	Temperature dial set too high (towards OFF/Warmer) Door seal issues Excessive frost buildup Other appliance component failure (e.g., compressor, fan)	Adjust dial towards "COLDER" or a higher number. Check and repair door seals. Defrost the appliance if necessary. Consult a qualified technician for further diagnosis.
Appliance is too cold / Freezing items	Temperature dial set too low (towards COLDER) Control sensor not properly positioned	Adjust dial towards "OFF" or a lower number. Ensure the sensor bulb is correctly placed according to appliance specifications.
Appliance runs constantly	Temperature dial set too low Poor door seal Control differential issue (less common for new parts)	Adjust dial to a warmer setting. Check and repair door seals. If the issue persists, the control may be faulty or the appliance has other issues; consult a technician.
Appliance does not run at all	No power to the appliance Temperature dial set to "OFF" Faulty wiring connection Control failure	Check power outlet and circuit breaker. Turn the dial to a numbered setting. Verify all wiring connections are secure. If all else fails, the control may be faulty; consider replacement.

For issues not listed here or if troubleshooting steps do not resolve the problem, it is recommended to contact a qualified appliance repair technician.

SPECIFICATIONS

Feature	Detail
Model Number	SC1002
Brand	Supco
Temperature Range	-6°F to 39°F (-21°C to 4°C)
Range Cold	-6°F to 1°F (-21°C to -17°C)
Range Medium	17°F to 24°F (-8°C to -4°C)
Range Warm	32°F to 39°F (0°C to 4°C)
Differential	7°F
Mounting Options	Suction cup, Velcro, Screw mount
Item Weight	7.2 ounces (approx. 0.45 lbs)
Product Dimensions	3.25 x 1.75 x 5 inches
Included Components	Freezer Control

WARRANTY AND SUPPORT

For specific warranty information regarding your Supco SC1002 Universal Freezer Cold Control, please refer to the documentation provided at the point of purchase or contact your retailer. Supco, a company with a long history in refrigeration systems, manufactures this product. For technical support or inquiries, please visit the official Supco website or contact their customer service department directly. Contact details are typically available on the product packaging or the manufacturer's website.

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Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question