

THE CIMPLE CO CMP-GRND-FRNTMTR

THE CIMPLE CO Meter Box and Panel Ground Clamp User Manual

Model: CMP-GRND-FRNTMTR

INTRODUCTION

This manual provides instructions for the proper installation, operation, and maintenance of THE CIMPLE CO Meter Box and Panel Ground Clamp. This clamp is designed to establish a secure bonding connection between a ground wire and the metallic frame of an electrical meter pan or other metallic surfaces.

Key features include:

- Provides a secure bonding connection for copper ground wire to metallic electrical meter pan frames.
- Allows for positive and fixed contact without interfering with or opening the meter pan front cover.
- Constructed from corrosion-resistant metals for durability.
- Compatible with 8 - 18 AWG wire.
- UL Listed, CSA certified, RoSH & REACH compliant.

SAFETY INFORMATION

Always follow local electrical codes and safety regulations when installing grounding equipment. Installation should be performed by a qualified individual if you are unsure about the process. Ensure power is disconnected before working on electrical systems.

- **WARNING:** Risk of electric shock. Disconnect power before installation.
- Wear appropriate personal protective equipment (PPE), including safety glasses and gloves.
- Ensure all connections are tight and secure to prevent electrical hazards.

PACKAGE CONTENTS

- 1 x THE CIMPLE CO Meter Box and Panel Ground Clamp
- Pre-installed hardware (screws for wire connection)

INSTALLATION INSTRUCTIONS

This ground clamp is designed for front or back mounting on metallic meter boxes or panels to provide a bonding connection for grounding wires.

Step 1: Prepare the Mounting Surface

Identify the desired location on the metallic meter box or panel for the ground clamp. Ensure the surface is clean and free from paint, rust, or debris to ensure good electrical contact.



Figure 1: Side view of the ground clamp, showing its metallic construction and screw terminals.

Step 2: Mount the Ground Clamp

Position the clamp on the edge of the metallic meter pan or panel. The clamp is designed to fit securely over the edge. Use the integrated screws to tighten the clamp onto the metallic surface. Ensure a firm, stable connection.

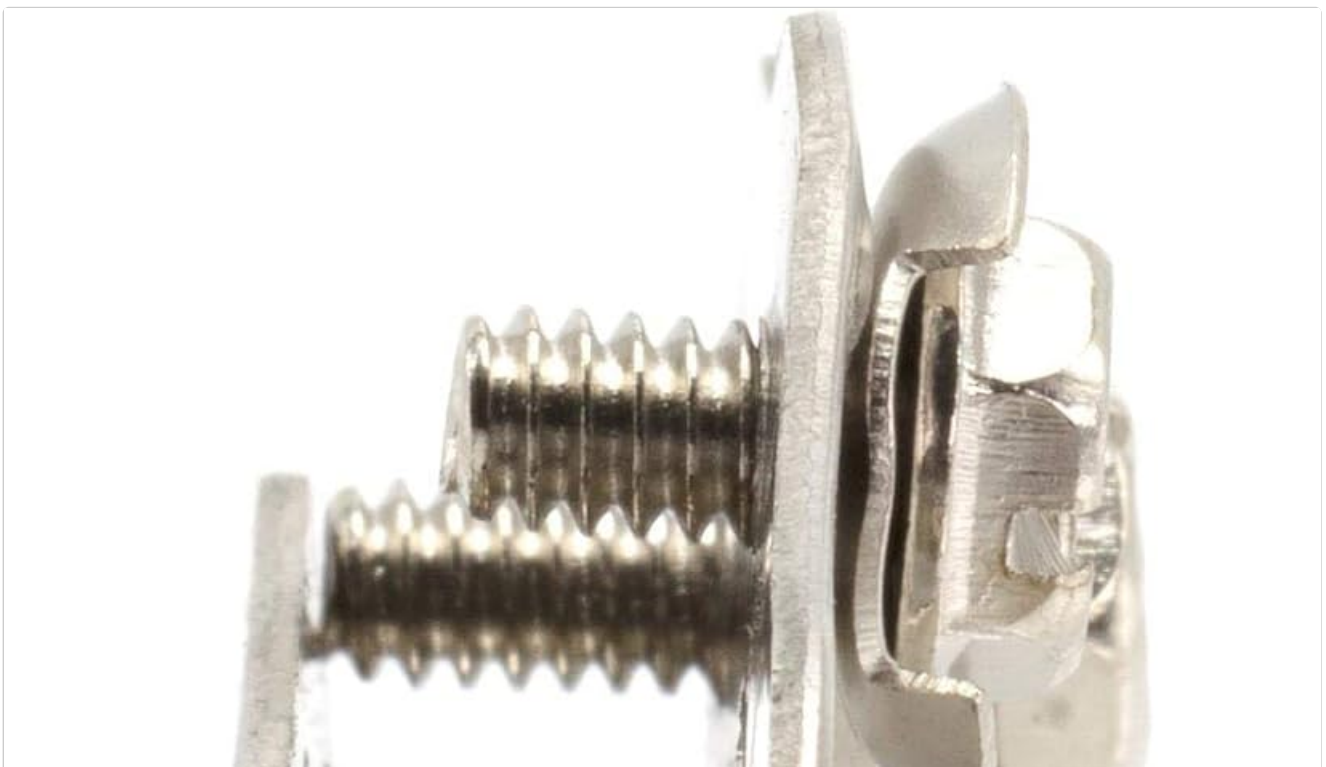




Figure 2: Close-up view of the clamp's side, illustrating the screws used for securing it to a panel.

Step 3: Connect the Grounding Wire

Strip approximately 1/2 inch of insulation from the end of your 8-18 AWG grounding wire. Insert the bare wire into one of the designated wire terminals on the clamp. Tighten the terminal screw firmly to secure the wire. Ensure there are no loose strands and that the connection is robust.



Figure 3: The ground clamp with a green grounding wire properly connected to a terminal.



Figure 4: Top view of the ground clamp, highlighting the "LISTED" certification mark and wire connection points.

OPERATION

Once properly installed, the THE CIMPLE CO Meter Box and Panel Ground Clamp provides a continuous, low-resistance path for electrical current to ground. This ensures the metallic enclosure is bonded to the grounding system, enhancing safety by preventing dangerous voltage buildup.

The clamp functions passively, maintaining the electrical bond as long as it remains securely attached and the wire connection is intact.

MAINTENANCE

Regular inspection of the ground clamp and its connections is recommended to ensure continued effectiveness and safety.

- **Visual Inspection:** Periodically check the clamp for any signs of physical damage, corrosion, or loosening.
- **Connection Integrity:** Ensure all screws are tight and the grounding wire is securely fastened. Loose connections can compromise the grounding path.
- **Cleanliness:** Keep the clamp and surrounding area clean from dirt, dust, and moisture, which can contribute to corrosion over time.
- **Corrosion:** While made of corrosion-resistant materials, extreme environmental conditions can still lead to surface corrosion. If significant corrosion is observed, the clamp should be cleaned or replaced to maintain optimal conductivity.

TROUBLESHOOTING

If you suspect an issue with your grounding system related to this clamp, consider the following:

- **Loose Connection:** If the clamp feels loose on the panel or the wire is not firmly held, tighten all screws. Over-tightening should be avoided to prevent stripping threads.
- **Poor Electrical Contact:** Ensure the mounting surface is clean and conductive. Paint or heavy rust can impede proper electrical bonding. Clean the contact area if necessary.
- **Corrosion:** Visible corrosion on the clamp or wire connection points can increase resistance. Clean affected areas with a wire brush or replace the clamp if corrosion is severe.
- **Damaged Wire:** Inspect the grounding wire for cuts, fraying, or other damage. Replace damaged wires immediately.
- **Persistent Issues:** If grounding issues persist after checking the clamp, consult a qualified electrician to inspect the entire grounding system.

SPECIFICATIONS

Model Number	CMP-GRND-FRNTMTR
Material	Metal
Wire Compatibility	8 - 18 AWG (American Wire Gauge)
Installation Method	Screw-In
Head Style	Philips
Certifications	UL Listed, CSA certified, RoSH & REACH compliant
Item Weight	1.28 ounces
Package Dimensions	3.94 x 3.9 x 0.83 inches

WARRANTY INFORMATION

THE CIMPLE CO products are covered by a 10-year warranty. For detailed warranty terms and conditions, please refer to the manufacturer's official website.

CUSTOMER SUPPORT

For technical assistance, product inquiries, or support, please contact THE CIMPLE CO directly. Visit their official website for contact information.

Brand: THE CIMPLE CO

Manufacturer: THE CIMPLE CO

ASIN: B07D3H4T36

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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