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> DEWENWILS G20CM GFCI Replacement Plug Instruction Manual

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Model: G20CM | Brand: DEWENWILS

1. INTRODUCTION

Thank you for choosing the DEWENWILS G20CM GFCI Replacement Plug. This device is designed to provide critical ground fault circuit interrupter protection for your electrical tools and equipment, enhancing safety in both indoor and outdoor environments. Please read this manual thoroughly before installation and operation to ensure proper use and to prevent potential hazards.



Image 1.1: The DEWENWILS G20CM GFCI Replacement Plug, a compact and durable electrical safety device.

2. SAFETY INFORMATION

This GFCI (Ground Fault Circuit Interrupter) plug is equipped with auto-monitoring capabilities and a manual reset function to protect users from electrical shock. It is UL certified, ensuring it meets high electrical safety standards.

2.1 GFCI Protection

The GFCI instantly cuts off power in the event of a ground fault, preventing electric shocks. This is crucial when operating power tools or lawn equipment, especially in damp or outdoor conditions.

GFCI PROTECTION

Once encounter potential leakage of electricity hazards, the GFCI can cut off the power supply instantaneously to protect personal safety.



Image 2.1: Illustration of the GFCI protection mechanism, showing how it instantly cuts power to prevent electrical hazards.

2.2 Important Precautions

- Always test the GFCI before each use.
- Do not submerge the connection in water. The housing is rugged and resistant to moisture, but direct submersion is not recommended.
- Ensure proper wiring and secure connections during installation.
- Operate within the specified voltage and amperage ratings.

3. PRODUCT FEATURES AND COMPONENTS

The DEWENWILS G20CM GFCI Replacement Plug is designed for durability and ease of use, featuring:

- **Manual Reset Function:** Requires manual reset after power interruption or fault.
- **LED Indicator:** Provides clear visibility of power and fault status.
- **Wire Compatibility:** Accommodates 14, 16, and 18-gauge wires with included strain relief clamps.
- **Durable Construction:** Black PVC housing offers resistance against abrasion, moisture, and direct sunlight.



Image 3.1: Close-up view of the GFCI plug, highlighting the LED indicator, Reset button, and Test button.

SJTW AWG 14/3

The exposed wire is 14AWG 5 inches long and comes with 3 strain relief clamps, each designed to accommodate 14 AWG, 16 AWG, and 18 AWG wires, respectively.



Image 3.2: The GFCI plug showing its SJTW AWG 14/3 wiring and the included strain relief clamps for various wire gauges.

DURABLE INDUSTRIAL MATERIALS

Provides excellent protection against moisture, abrasion and sunlight



Image 3.3: Visual representation of the durable industrial materials used in the GFCI plug's construction, offering protection against environmental factors.

4. SETUP AND INSTALLATION

This GFCI replacement plug is designed for DIY electrical repairs. Follow these steps for safe and effective installation:

1. **Prepare the Wire:** Carefully strip the outer jacket and insulation from your existing power cord to expose the three internal wires (hot, neutral, ground). Ensure the exposed wire length is appropriate for connection.



Image 4.1: A hand using a wire stripper to prepare the end of a cable for connection to the GFCI plug.

2. **Connect Wires:** Open the GFCI plug housing. Connect the hot, neutral, and ground wires to their corresponding terminals inside the plug. Ensure each wire is securely fastened under its screw terminal.



Image 4.2: Close-up of the GFCI plug's internal terminals with wires correctly connected.

3. **Secure Strain Relief:** Select the appropriate size strain relief clamp (14, 16, or 18-gauge) for your wire and install it to prevent the cable from being pulled out of the plug.



Image 4.3: The GFCI plug with its internal wiring completed and the cover being placed, showing the strain relief in position.

4. **Close Housing:** Carefully close the plug housing, ensuring all wires are tucked in and the waterproof gasket is properly seated. Secure the housing with the provided screws.



Image 4.4: A hand tightening a screw to secure the housing of the GFCI plug, ensuring a waterproof seal.

5. OPERATION

The DEWENWILS G20CM GFCI plug features a manual reset mechanism. This means that after any power interruption or fault, you must manually reset the device to restore power.

5.1 Initial Power-Up and Reset

1. Plug the GFCI-equipped cord into a standard 125V AC outlet.
2. The LED indicator will likely be off, indicating no power flow.
3. Press the **RESET** button. The LED indicator should illuminate green, signifying that power is now flowing through the GFCI.

5.2 Testing the GFCI

It is recommended to test the GFCI before each use to ensure it is functioning correctly:

1. With the GFCI powered on (green LED illuminated), press the **TEST** button.
2. The GFCI should trip, and the green LED indicator will turn off. This confirms the GFCI is working.
3. To restore power, press the **RESET** button again. The green LED should re-illuminate.

5.3 Manual Reset Requirement

Due to its manual reset design, if the power is disconnected (e.g., unplugged from the wall, power outage, or GFCI trip), you will need to press the **RESET** button again once power is restored or the plug is reconnected to an active outlet.

6. MAINTENANCE

The DEWENWILS G20CM GFCI Replacement Plug is built for durability with minimal maintenance required. To ensure its longevity and continued safe operation:

- Regularly inspect the plug and cord for any signs of damage, such as cuts, fraying, or cracks in the housing.
- Keep the plug clean and free from excessive dirt or debris. Wipe with a dry cloth if necessary.
- Store the plug in a dry place when not in use.
- Perform the GFCI test procedure (Section 5.2) periodically, especially before using with critical equipment or in wet conditions.

7. TROUBLESHOOTING

If you encounter issues with your DEWENWILS G20CM GFCI Replacement Plug, refer to the following troubleshooting guide:

- **No Power / LED Off:**
 - Ensure the plug is securely inserted into a live outlet.
 - Press the **RESET** button. If the LED does not illuminate, the GFCI may have tripped due to a fault or there is no power from the outlet. Try a different outlet.
 - If the LED still does not illuminate after pressing **RESET**, the GFCI may be faulty and requires replacement.
- **GFCI Trips Immediately After Reset:**
 - This indicates a ground fault in the connected tool or equipment. Disconnect the tool and try resetting the GFCI. If it resets, the tool is faulty and should not be used.

- If the GFCI still trips without any load connected, the GFCI itself may be faulty.

- **GFCI Does Not Trip When TEST Button is Pressed:**

- This indicates the GFCI is not functioning correctly and will not provide shock protection. Discontinue use immediately and replace the unit.

8. SPECIFICATIONS

Feature	Specification
Model Number	G20CM
Input Voltage	125 Volts AC
Amperage	15 Amps
Wattage	1875 Watts
Wire Gauge Compatibility	14 AWG, 16 AWG, 18 AWG (SJTW 14/3 wiring with 5-inch lead)
Plug Type	Type B (3-Prong)
Indoor/Outdoor Usage	Indoor, Outdoor
Special Features	GFCI Protection, Manual Reset, LED Indicator
Certifications	UL Listed

9. APPLICATIONS

The DEWENWILS G20CM GFCI Replacement Plug is an ideal safety upgrade for a variety of power tools and equipment used in hazardous or demanding environments:

- Power Pressure Washers
- Power Tools (e.g., saws, drills, sanders)
- Lawn Equipment (e.g., electric mowers, trimmers)
- Air Compressors
- Lathes and Cutting Machines



Image 9.1: A collage demonstrating the GFCI plug in use with various power tools like drills, lawn equipment, lathes, and cutting machines.



Image 9.2: The GFCI plug being used in both an indoor workshop setting with a sander and an outdoor garden setting with a lawnmower, highlighting its versatility.

10. WARRANTY AND SUPPORT

For warranty information or technical support regarding your DEWENWILS G20CM GFCI Replacement Plug, please refer to the product packaging or contact DEWENWILS customer service directly. Contact details can typically be found on the manufacturer's official website or through your purchase platform.

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