

## ANKO ANKPS-301

# ANKO GFCI Outlet 20 Amp Instruction Manual

Model: ANKPS-301 | Brand: ANKO

## 1. INTRODUCTION

The ANKO 20 Amp GFCI (Ground Fault Circuit Interrupter) Outlet is designed to provide enhanced electrical safety by quickly detecting and interrupting ground faults. This device is UL Listed, tamper-resistant, and weather-resistant, making it suitable for both indoor and outdoor applications. This manual provides essential information for the safe and correct installation, operation, and maintenance of your GFCI outlet.

## 2. WHAT'S IN THE BOX

- GFCI Outlet 20 Amp
- Decor Wall Plate
- Mounting Screws
- Installation Instructions (this manual)

## 3. KEY FEATURES

- UL Listed:** Certified for safety and performance.
- Tamper-Resistant (TR):** Prevents insertion of foreign objects into the receptacle openings, enhancing child safety.
- Weather-Resistant (WR):** Constructed with advanced UV stabilized engineering for superior corrosion, temperature, and UV resistance, ideal for outdoor and indoor use.
- Self-Test Function:** Automatically conducts an internal test every 40 seconds to confirm proper ground fault protection.
- LED Indicator:** Provides visual feedback on power and protection status (Green for working, Red for End-of-Life).
- High-Impact Resistant Thermoplastic:** Ensures durability and strength.
- Back and Side Wire Options:** Offers flexible wiring connections.

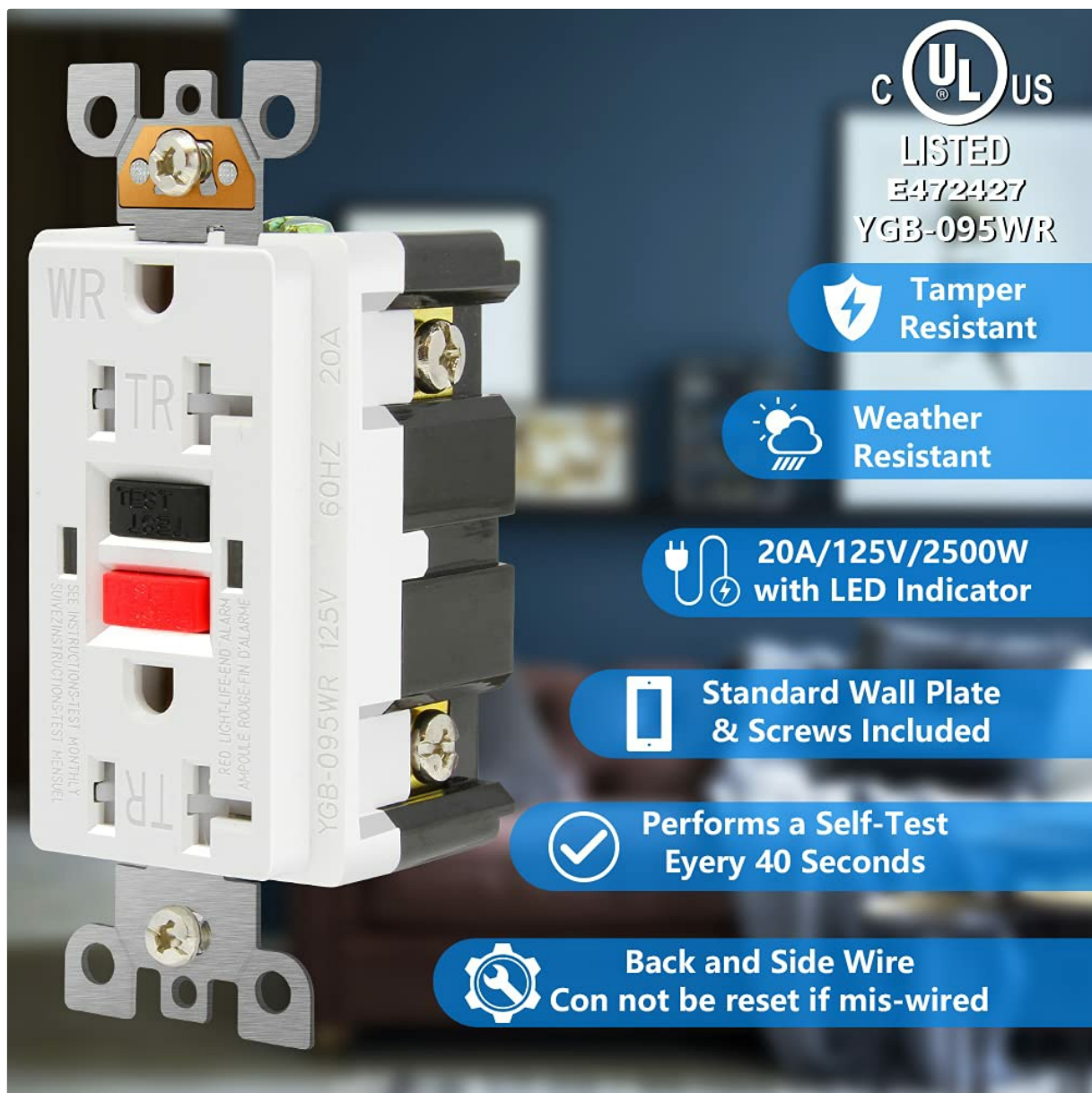


Image: Key features of the ANKO GFCI Outlet, including UL listing, tamper and weather resistance, and self-test capability.

## 4. SAFETY INFORMATION

**WARNING: Risk of Electric Shock or Electrocution. Installation requires electrical knowledge. If you are unsure about any part of these instructions, consult a qualified electrician.**

- Always turn off power at the circuit breaker or fuse box before installing or servicing the outlet.
- Use only copper wire. Do not use with aluminum wire.
- Ensure all wire connections are secure and properly insulated.
- Do not install in wet locations unless protected by a weatherproof enclosure.
- A GFCI outlet is designed to protect against ground faults, not against electrical overload or short circuits.

# What is a GFCI?

GFCI stands for Ground Fault Circuit Interrupter. When a ground fault is detected, a GFCI will trip within a fraction of a second and stop the flow of electricity to prevent serious injury.

The **green LED indicator light** shows that the device is working properly.

Self-Test(the **red light** will blink once) **every 40 seconds** to ensure the GFCI is continually working

When a GFCI receptacle is incapable of passing its internal test function (it can no longer provide ground fault protection), the **red light** will turn on.



Image: Explanation of GFCI functionality, highlighting its role in preventing serious injury by interrupting ground faults and detailing the LED indicator's meaning.

## 5. INSTALLATION GUIDE

### 5.1. Tools Required

- Screwdriver (Phillips and Flathead)
- Wire Strippers
- Electrical Tape (optional)
- Voltage Tester

### 5.2. Wiring Instructions

1. **Turn Off Power:** Locate the circuit breaker or fuse that controls the outlet you are replacing or installing. Turn it OFF. Verify power is off using a voltage tester.
2. **Identify Wires:** Carefully pull the existing outlet from the wall box (if replacing). Identify the LINE wires (incoming power from the breaker) and LOAD wires (outgoing power to other outlets downstream). The GFCI outlet has clearly marked LINE and LOAD terminals.
3. **Strip Wires:** Strip approximately 1/2 inch of insulation from the ends of the wires.

#### 4. Connect Wires:

- Connect the bare copper or green insulated GROUND wire to the GREEN grounding screw terminal.
- Connect the incoming LINE (hot/black) wire to the BRASS LINE terminal.
- Connect the incoming LINE (neutral/white) wire to the SILVER LINE terminal.
- If you have downstream outlets to protect, connect the outgoing LOAD (hot/black) wire to the BRASS LOAD terminal.
- If you have downstream outlets to protect, connect the outgoing LOAD (neutral/white) wire to the SILVER LOAD terminal.

*Note: If there are no downstream outlets to protect, cap off the LOAD terminals with electrical tape or wire nuts.*

5. **Secure Connections:** Ensure all wires are securely fastened to their respective terminals. The ANKO GFCI supports both back-wire (inserting stripped wire into hole and tightening screw) and side-wire (wrapping wire around screw) connections.
6. **Mount Outlet:** Carefully fold the wires into the electrical box and secure the GFCI outlet to the box with the provided screws. Attach the wall plate.

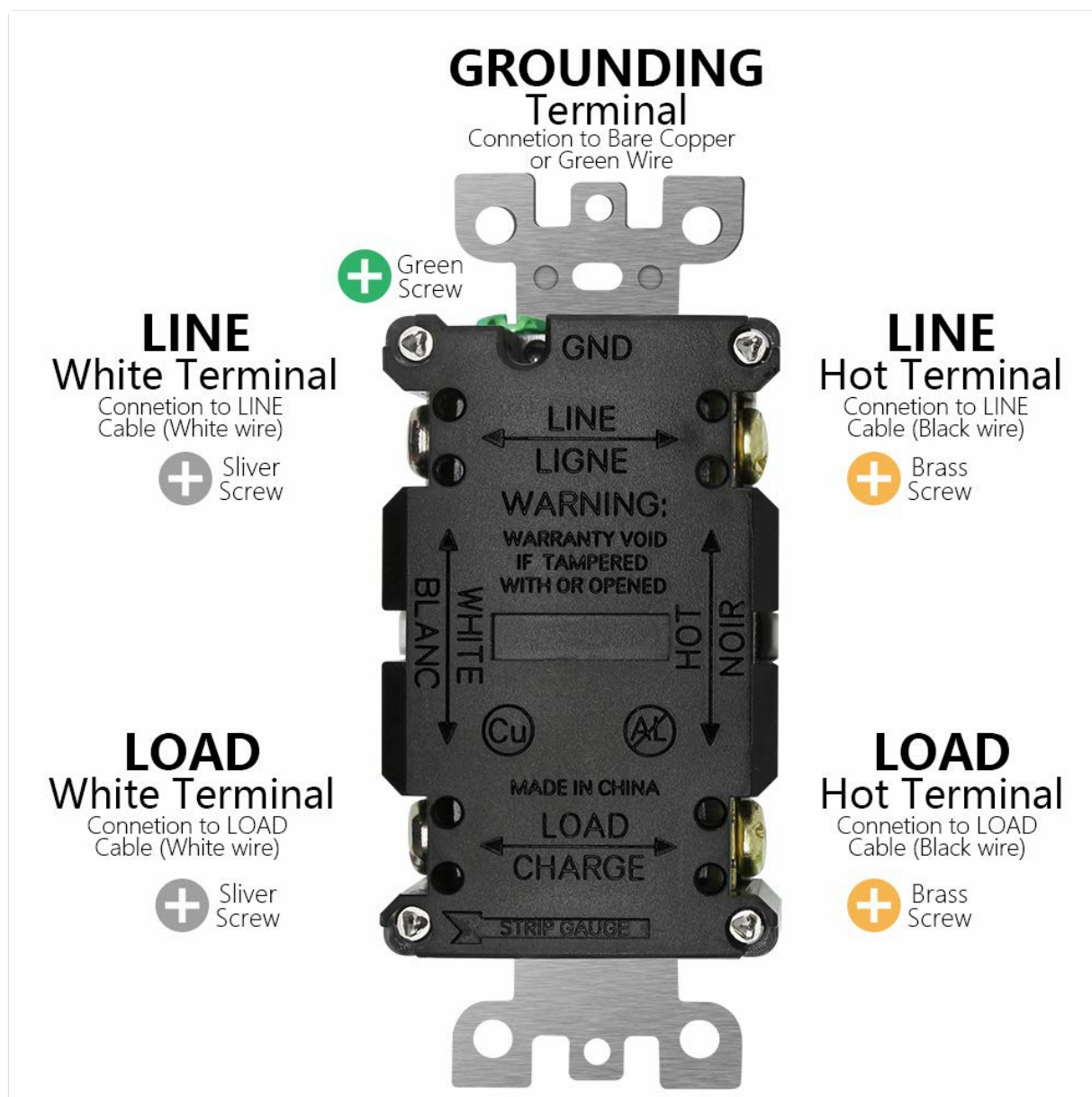


Image: Detailed view of the GFCI outlet's terminals, indicating connections for Grounding, Line (incoming power), and Load (outgoing power to protected circuits).





the GFCI should trip, cutting off power to the receptacles.

- **RESET Button (Red):** Used to restore power to the GFCI after it has tripped (either manually or due to a ground fault).

## 6.2. LED Indicator

- **Solid Green:** The GFCI is functioning correctly and providing ground fault protection.
- **Off or Red:** The GFCI has tripped, or there is no power to the outlet.
- **Flashing Red (End-of-Life):** The GFCI has reached the end of its useful life and can no longer provide ground fault protection. It must be replaced immediately.

## 6.3. Self-Test Function

The ANKO GFCI outlet automatically performs a self-test every 40 seconds. During this test, the red light may blink once. This is normal operation and indicates the GFCI is continually monitoring its ability to protect against ground faults.

## 7. MAINTENANCE

- **Monthly Testing:** It is recommended to test your GFCI outlet monthly to ensure proper operation. Follow the "Initial Test" steps outlined in Section 5.3.
- **Cleaning:** Clean the surface of the outlet and wall plate with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Inspection:** Periodically inspect the outlet for any signs of damage, such as cracks, discoloration, or loose connections.

## 8. TROUBLESHOOTING

Problem	Possible Cause	Solution
GFCI will not reset (LED is off or red)	No power to the outlet Ground fault detected Improper wiring End-of-Life	Check circuit breaker/fuse Unplug all devices, press RESET. If it holds, plug devices back one by one to find faulty one. Verify LINE/LOAD connections are correct. Replace the GFCI outlet.
GFCI trips frequently	Faulty appliance/device Moisture in circuit Overloaded circuit	Test devices on another outlet. Discontinue use of faulty device. Ensure outlet is protected from moisture, especially in outdoor/damp locations. Reduce the number of devices on the circuit.
No power to downstream outlets	GFCI tripped Improper LOAD wiring GFCI not first in circuit	Press RESET button. Verify LOAD wires are correctly connected to the GFCI's LOAD terminals. Ensure the GFCI is the first outlet in the circuit to protect downstream outlets.

## 9. SPECIFICATIONS

- **Model Number:** ANKPS-301
- **Rating:** 20 Amp, 125 Volt, 60 Hz
- **Material:** High-Impact Resistant Thermoplastic (Polycarbonate - PC)
- **Color:** White
- **Product Dimensions:** 4.6 inches (L) x 2.7 inches (W) x 0.04 inches (D) (Faceplate); 4.06 inches (L) x 1.69 inches (W) (Outlet Body)
- **Certifications:** UL Listed YGB-095WR
- **Features:** Tamper-Resistant (TR), Weather-Resistant (WR), LED Indicator, Self-Test



Image: Dimensional specifications of the ANKO GFCI outlet and its accompanying wall plate.

## 10. WARRANTY AND SUPPORT

Specific warranty details for the ANKO GFCI Outlet are not provided in this manual. For warranty information, technical support, or any product-related inquiries, please contact ANKO customer service directly or refer to the product packaging and official ANKO website.

It is recommended to retain your purchase receipt for warranty purposes.

