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## Southwire 40012S

# Receptacle Tester User Manual

**BRAND: SOUTHWIRE**

**Model: 40012S**

## INTRODUCTION

The Southwire 40012S Receptacle Tester is a compact and essential tool designed to quickly and accurately identify common wiring problems in standard 120V AC electrical outlets. This device helps ensure the safety and proper functioning of your electrical system by indicating correct wiring, open ground, open neutral, open hot, hot/ground reverse, and hot/neutral reverse conditions.

Its simple plug-and-read operation makes it suitable for both professionals and homeowners for routine checks and troubleshooting.

## SAFETY INFORMATION

Always observe the following safety precautions when using the receptacle tester:

- Do not use the tester if it appears damaged.
- Ensure your hands are dry before handling the tester or any electrical outlet.
- Do not attempt to open or modify the tester. There are no user-serviceable parts inside.
- This tester is designed for 120V AC outlets only. Do not use it on higher voltage circuits.
- Always follow local electrical codes and safety regulations.
- If a wiring fault is detected, consult a qualified electrician for repair. Do not attempt to fix wiring issues yourself unless you are a qualified professional.

## PRODUCT OVERVIEW

The Southwire 40012S Receptacle Tester features a durable design with clear indicator lights for easy fault identification.



**Southwire™**

**120 VOLTS  
AC**

**40012S**

## **Receptacle Tester**

**OPEN GROUND**

**OPEN NEUTRAL**

**OPEN HOT**

**HOT/GRD REV**

**HOT/NEU REV**

**CORRECT**



Figure 1: Front view of the Southwire 40012S Receptacle Tester, highlighting its compact design and the clear labeling for voltage and fault indications.

## Key Features:

- Fault Indicator Lights:** Three distinct lights illuminate in various patterns to indicate specific wiring conditions.
- Wire Legends:** A printed legend on the tester clearly explains what each light pattern signifies.
- Reinforced Prongs:** Designed for durability and reliable connection to outlets.
- Compact Design:** Small and lightweight for easy portability and storage.

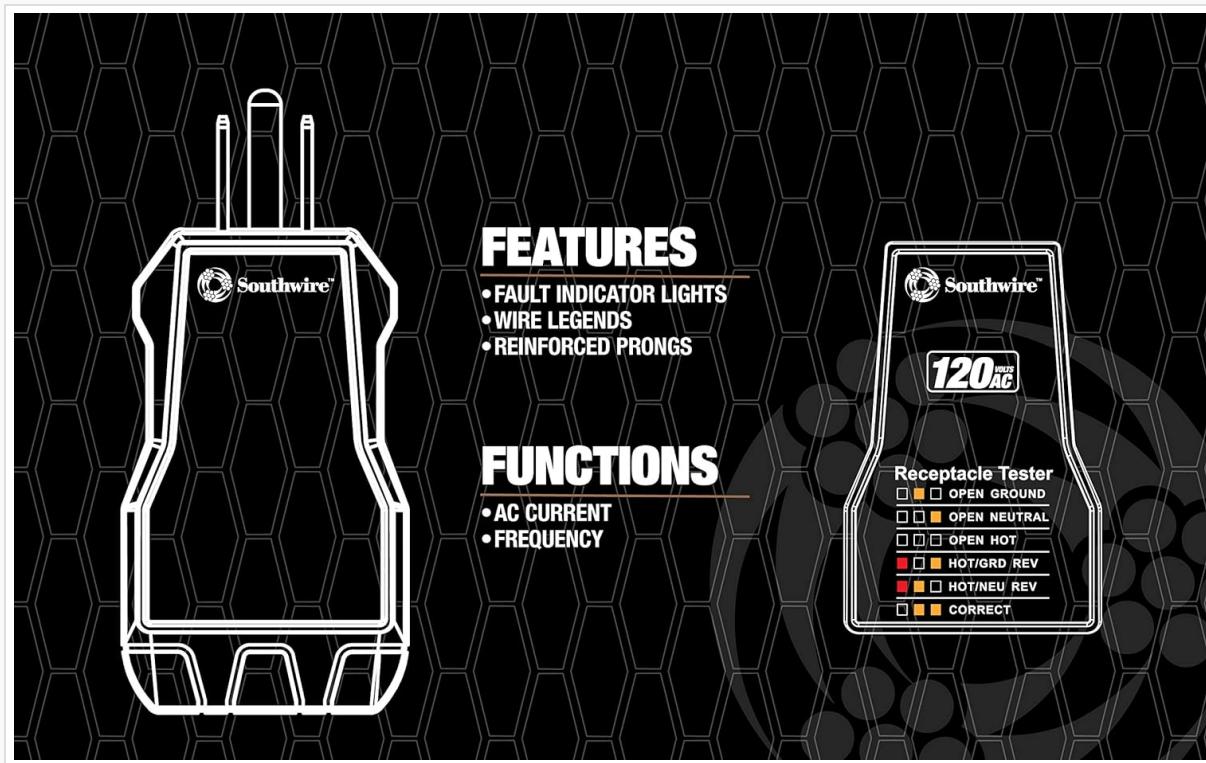


Figure 2: Diagram detailing the features and functions of the receptacle tester, showing its internal components and operational capabilities.

## SETUP AND OPERATION

Using the Southwire 40012S Receptacle Tester is straightforward. No setup is required beyond simply plugging it into the outlet you wish to test.

### Operating Instructions:

- Insert the Tester:** Firmly plug the Southwire 40012S Receptacle Tester into the 120V AC outlet you intend to test. Ensure it is fully seated in the receptacle.
- Observe the Lights:** Once plugged in, the tester's indicator lights will illuminate in a specific pattern.

Refer to the legend printed on the tester's label to interpret the results.

**3. Interpret Results:**

- **Two Amber Lights (Left and Right):** Indicates *CORRECT* wiring.
- **Middle Amber Light Only:** Indicates *OPEN GROUND*.
- **Right Amber Light Only:** Indicates *OPEN NEUTRAL*.
- **Left Amber Light Only:** Indicates *OPEN HOT*.
- **Left Amber and Middle Red Lights:** Indicates *HOT/GRD REV* (Hot and Ground Reversed).
- **Middle Amber and Right Red Lights:** Indicates *HOT/NEU REV* (Hot and Neutral Reversed).

**4. Remove the Tester:** Once you have noted the results, carefully unplug the tester from the outlet.



Figure 3: The receptacle tester being prepared for use, showing its compact size and how it fits into a standard outlet.



Figure 4: The receptacle tester actively checking an outlet, with its lights indicating the wiring status.

## MAINTENANCE

The Southwire 40012S Receptacle Tester requires minimal maintenance to ensure its longevity and accurate performance.

- **Cleaning:** Wipe the tester with a dry, soft cloth to remove dust or dirt. Do not use abrasive cleaners or solvents.
- **Storage:** Store the tester in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Inspection:** Before each use, visually inspect the tester for any signs of damage, such as cracks in the casing or bent prongs. Do not use if damaged.

## TROUBLESHOOTING

If the Southwire 40012S Receptacle Tester does not function as expected, consider the following:

- **No Lights Illuminate:**
  - Ensure the tester is fully inserted into the outlet.
  - Check if the outlet has power (e.g., by plugging in a lamp). If there is no power, the circuit breaker may be tripped or there is a complete open circuit.
  - Inspect the tester for visible damage. If damaged, discontinue use.
- **Incorrect Readings:**
  - Ensure you are correctly interpreting the light patterns according to the legend on the tester.
  - Test the tester on a known good outlet to verify its functionality.

If troubleshooting steps do not resolve the issue, or if a wiring fault is indicated, it is recommended to contact a qualified electrician for further assistance.

## SPECIFICATIONS

Specification	Detail
Model Number	40012S
Brand	Southwire
Product Dimensions	2.54 x 4.32 x 9.14 cm (0.99 x 1.70 x 3.59 inches)
Item Weight	54.43 g (0.12 lbs)
Power Source	Corded Electric
Measurement Type	Voltmeter (for wiring status indication)
Color	Black
UPC	032886699832



Figure 5: Visual representation of the tester's dimensions and weight.

## WARRANTY AND SUPPORT

For information regarding warranty coverage, technical support, or service for your Southwire 40012S Receptacle Tester, please refer to the official Southwire website or contact their customer service department directly.

Contact details can typically be found on the manufacturer's packaging or their official website. Please have your model number (40012S) ready when contacting support.

from improper use of this product.