

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

› [Intermatic](#) /

› [Intermatic IG1240RC3 Whole Home Surge Protection Device User Manual](#)

Intermatic IG1240RC3

Intermatic IG1240RC3 Whole Home Surge Protection Device

USER MANUAL

1. Introduction

This manual provides essential information for the safe installation, operation, and maintenance of your Intermatic IG1240RC3 Whole Home Surge Protection Device. Please read these instructions thoroughly before installation or use and retain them for future reference. This device is designed to protect your home's electrical system and connected appliances from damaging power surges and spikes.

Important Safety Information

WARNING: Risk of electric shock. Installation and servicing of this device must be performed by qualified electrical personnel only. Always disconnect power at the main service panel before working with electrical wiring.

- Ensure all local and national electrical codes are followed during installation.
- Do not install this device if you are unfamiliar with electrical wiring procedures. Consult a licensed electrician.
- Verify that the main power supply to the electrical panel is completely disconnected before making any connections.

2. Product Overview

The Intermatic IG1240RC3 is a Type 1 or Type 2 Surge Protection Device designed for 120/240 volt single or split-phase electrical panels. It provides robust protection against transient overvoltages that can damage sensitive electronic equipment throughout your home.

Key Features:

- Designed for 120/240 Volt AC systems.
- Features a green LED indicator for surge protection status.
- Equipped with four 30-inch, 12-gauge leads for connection.
- Meets ANSI/UL1449 3rd Edition requirements.

- Suitable for service entrance and utility meter cabinet applications.



Figure 2.1: Front view of the Intermatic IG1240RC3 Surge Protection Device, showing its compact gray housing and status indicator.

3. Installation

Proper installation is critical for the effective operation of the IG1240RC3. If you are not comfortable working with live electrical panels, please contact a qualified electrician.

Installation Steps:

1. **Disconnect Power:** Locate your main electrical service panel and turn off the main breaker to completely disconnect power to your home. Verify power is off using a voltage tester.
2. **Select Mounting Location:** Choose a suitable location near your main electrical panel or utility meter cabinet. The device should be mounted securely to a wall or directly to the panel enclosure.
3. **Mount the Device:** Secure the IG1240RC3 using appropriate fasteners. Ensure the device is oriented so the LED indicator is visible.
4. **Connect Leads:** The device has four 30-inch, 12-gauge leads. These leads must be connected as follows:

- Connect one lead to the neutral bus bar.
 - Connect one lead to the ground bus bar.
 - Connect the remaining two leads to a dedicated 2-pole, 20-amp circuit breaker within your electrical panel. This breaker should be connected to opposite phases of your 120/240V service.
5. **Manage Wiring:** When routing the leads, avoid sharp 90-degree bends. Maintain a gradual curve (approximately 4 inches radius) to optimize surge protection performance. Ensure all connections are tight and secure.
 6. **Restore Power:** Once all connections are made and verified, close the electrical panel cover. Turn the main breaker back on.



Figure 3.1: The Intermatic IG1240RC3 device, illustrating the four wiring leads for connection to the electrical panel.

4. Operation

The Intermatic IG1240RC3 operates automatically to protect your electrical system. There are no user controls or settings required.

LED Indicator Status:

- **Green LED ON:** Indicates that the surge protection device is active and providing protection.
- **Green LED OFF:** Indicates that the device has absorbed a significant surge event and is no longer providing protection. The device needs to be replaced.

5. Maintenance

The Intermatic IG1240RC3 requires minimal maintenance. Regular visual inspection is recommended.

Routine Checks:

- Periodically check the green LED indicator on the front of the device.
- Ensure the LED is illuminated green, indicating active protection.

6. Troubleshooting

The primary indicator of device status is the green LED.

Problem: Green LED is OFF

- **Cause:** The device has successfully absorbed a power surge or multiple surges, sacrificing itself to protect your home's electrical system and appliances.
- **Solution:** The Intermatic IG1240RC3 is a single-use protective device in this scenario. It must be replaced to restore surge protection. Contact a qualified electrician for replacement.

7. Specifications

Specification	Detail
Manufacturer	Intermatic
Part Number	IG1240RC3
Item Model Number	IG1240RC3
Voltage Rating	240 Volts
Frequency Rating	50/60 Hertz
Connection Type	30 inch 4-lead wire
Product Dimensions	6.5 x 8.3 x 8 inches
Item Weight	1 pound
Color	Gray
Material	Plastic
Approvals	CSA, ANSI/UL1449 3rd Edition compliant

8. Warranty and Support

Warranty Information:

The Intermatic IG1240RC3 comes with a warranty that typically covers product replacement in the event of a manufacturing defect or failure under normal operating conditions. Please refer to the official Intermatic warranty documentation for complete terms and conditions.

Customer Support:

For technical assistance, warranty claims, or further information regarding your Intermatic IG1240RC3, please contact Intermatic customer support directly. Contact details can typically be found on the manufacturer's official website or product packaging.