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## Intermatic IG2200-FMK

# Intermatic IG2200-FMK Flush Mount Kit

Instruction Manual for Whole House Surge Protective Devices

## PRODUCT OVERVIEW

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The Intermatic IG2200-FMK is an optional flush mount kit designed for a clean, finished installation of compatible whole house surge protective devices (SPDs). This kit allows the SPD to be recessed into a wall, providing a more integrated appearance while maintaining accessibility for maintenance.

- Designed for finished installations of compatible surge protective devices.
- Includes 2 mounting brackets and 8 screws for secure installation.
- Compatible with Intermatic's IG2240-IMS and IG2280-IM surge protective devices with consumable modules.
- Features a door with pre-aligned holes, allowing monitoring of LED indicators for power and protection status without opening the door.
- Often included with Intermatic's SmartGuard - IG2240-IMSK Whole Home Surge Protector.

# Surge Happens

## Surge Protective Device with Consumable Modules



Image: The Intermatic IG2200-FMK Flush Mount Kit shown installed on a wall, providing a recessed housing for a surge protective device.

### INSTALLATION INSTRUCTIONS

This flush mount kit is intended to house a compatible Intermatic surge protective device. Installation should be performed by a qualified electrician in accordance with all local and national electrical codes. Ensure power is disconnected before beginning any installation work.

#### General Installation Steps:

1. **Prepare the Opening:** Create an appropriate opening in the wall for the flush mount kit, ensuring it aligns with the electrical panel if necessary. Refer to the detailed diagrams for precise dimensions and knockout locations.
2. **Mount the Kit:** Secure the flush mount kit within the wall opening using the provided mounting brackets and screws. Ensure the kit is level and securely fastened.
3. **Install the SPD:** Insert the compatible Intermatic surge protective device (e.g., IG2240-IMS) into the flush mount kit.
4. **Wiring:** Connect the SPD to the electrical system according to the SPD's specific wiring instructions and local codes. Utilize the knockouts on the kit for conduit entry.
5. **Secure the Door:** Close and secure the kit's door. The door features holes that align with the SPD's LED indicators, allowing status monitoring without opening.



Image: Detailed installation diagrams for Intermatic IG2200 and IG2240 series, illustrating wiring configurations and mounting procedures for both surface and flush mount applications.

## OPERATION AND STATUS MONITORING

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Once installed, the Intermatic IG2200-FMK allows for easy monitoring of your surge protective device's status without needing to open the enclosure.

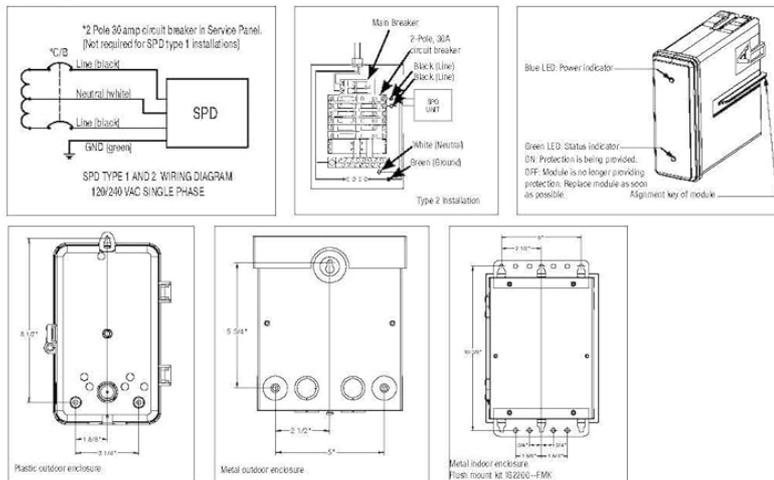
- **LED Indicators:** The flush mount kit's door includes strategically placed holes that align with the LED indicators on the surge protective device's consumable modules.
- **Status at a Glance:** Observe the LEDs through these holes to determine the operational status of each module. Typically, a green light indicates the module is active and providing protection. Refer to your specific SPD's manual for detailed LED status interpretations.

## Specification

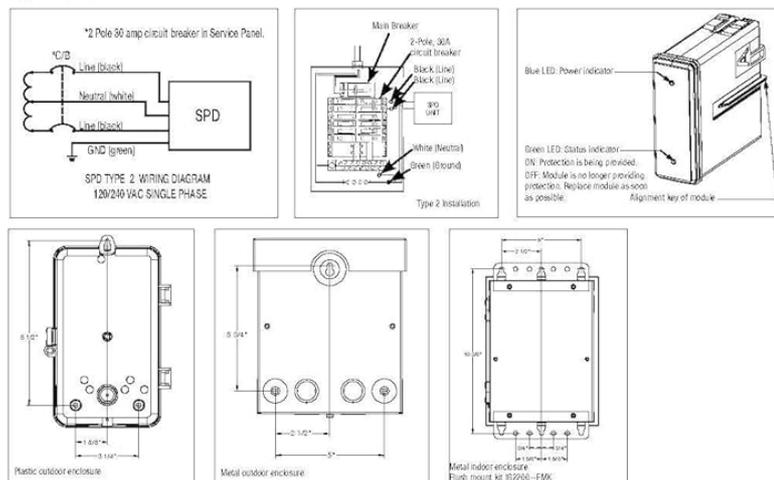
The Surge Protective Device with Consumable Modules is listed by UL to ANSI/UL 1449 3rd Edition for SPD Type 1 and Type 2 locations. Surge Protective Device with Consumable Modules shall provide protection between each phase conductor, neutral and ground. The Maximum Continuous Operating Voltage (MCOV) is a minimum of 150 volts AC. The Voltage Protection Rating (VPR) for all Surge Protective Device with Consumable Modules has a maximum rating of 800 volts Line to Neutral and 1500 volts Line to Line when subjected to the ANSI / UL 1449 3rd Edition VPR and Nominal current testing (In). These Surge Protection Devices employ MOV technology and provide individual component thermal protection and monitoring. Each SPD module utilizes a green LED protection status indicator and a blue LED power status indicator. When a module sacrifices itself during a surge event the green LED turns off to show that protection for that phase has diminished. The IG2200 Series rainproof housing shall be constructed of either UV resistant polycarbonate or powder coated steel, and tested to UL Type 3R standards for outdoor use. Each Type 1 or Type 3R enclosure is provided with 1/2" and 3/4" knockouts to allow routing of leads as needed for connection to SPD. Leads shall be 10 gauge minimum and 18 inches in length. The Base Surge Protection Device shall carry a 10-year limited product warranty and a \$25,000 connected equipment coverage warranty for 10 years on appliances and electronics. The Consumable Modules limited warranty period is one year (12 months) from the date of purchase (18 months from the date of manufacture).

## Diagrams

### IG2200



### IG2240



Surge Protection

[www.Intermatic.com](http://www.Intermatic.com)

Image: The flush mount kit with its door open, revealing the individual consumable modules of the surge protective device. Note the LED indicators on each module.

## MAINTENANCE AND MODULE REPLACEMENT

The Intermatic IG2200-FMK facilitates access to the surge protective device for routine maintenance, such as replacing consumable modules. Always ensure power is disconnected before performing any maintenance.

- 1. Power Disconnection:** Turn off the main power to the surge protective device at the electrical panel.
- 2. Open the Kit Door:** Unlatch and open the door of the flush mount kit to access the SPD modules.

3. **Remove Affected Module:** Carefully remove any module indicated as faulty (e.g., by a red LED or no light, depending on the SPD model).
4. **Insert New Module:** Insert a new, compatible replacement module into the designated slot. Ensure it is securely seated.
5. **Restore Power:** Close the kit door and restore power to the surge protective device. Verify that the new module's LED indicator shows a protective status (typically green).



Video: This video demonstrates the process of replacing a consumable module in an Intermatic Surge Protective Device. It shows how to safely remove an old module and insert a new one, restoring surge protection.

## SPECIFICATIONS

Key specifications for the Intermatic IG2200-FMK Flush Mount Kit:

Feature	Detail
Part Number	IG2200-FMK
Item Weight	1.3 pounds
Product Dimensions	12 x 9 x 0.25 inches
Compatible SPDs	Intermatic IG2240-IMS, IG2280-IM
Included Components	2 mounting brackets, 8 screws
Manufacturer	Intermatic



Image: A comprehensive table detailing the ratings and specifications for various Intermatic Surge Protective Devices, highlighting models compatible with the IG2200-FMK Flush Mount Kit.

## WARRANTY AND SUPPORT

For detailed warranty information, please refer to the manufacturer's description provided with your Intermatic Surge Protective Device. The flush mount kit itself is designed for durability and long-term use.

Intermatic's compatible surge protective devices often come with a 10-Year Connected Equipment Warranty, offering protection up to \$25,000. For technical support or further inquiries, please contact Intermatic customer service directly.

*Note: Warranty details are subject to change. Always consult the official documentation included with your product for the most current information.*