

## Insteon 2334-222

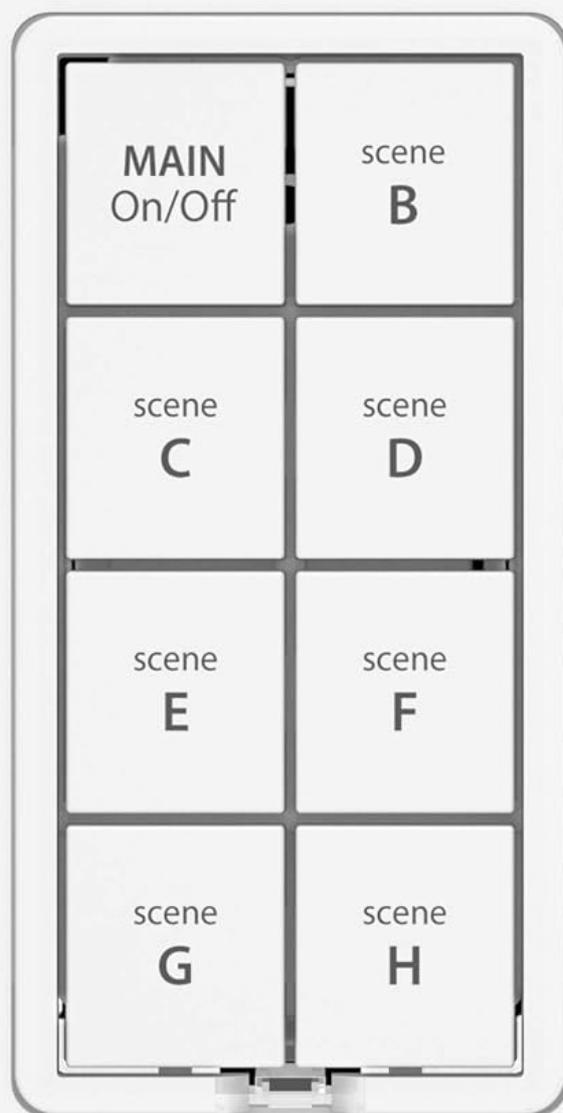
# Insteon Smart 8-Button Dimmer Keypad (Model 2334-222) User Manual

Your guide to installation, operation, and maintenance.

## 1. INTRODUCTION

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The Insteon Smart 8-Button Dimmer Keypad (Model 2334-222) is a versatile device designed to replace a standard light switch, offering both local dimming control and the ability to manage up to seven additional Insteon devices or scenes. This keypad integrates seamlessly into your Insteon home automation system, providing convenient control over your lighting and appliances. It requires an Insteon Hub for advanced features like smartphone control and voice integration with Amazon Alexa or Google Assistant.



## 2. IMPORTANT SAFETY INFORMATION

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**WARNING: RISK OF ELECTRIC SHOCK. Improper installation can lead to serious injury or death.**

- Installation must be performed by a qualified electrician or a person with a thorough understanding of electrical wiring.
- Always turn off power at the circuit breaker or fuse box before installing or servicing the device.
- Ensure all wiring connections are secure and comply with local electrical codes.
- Do not use this device with loads exceeding its specified wattage (600W).
- This device requires a neutral wire for proper operation. Verify the presence of a neutral wire in your electrical box before installation.
- For indoor use only.

## 3. PACKAGE CONTENTS

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Verify that your package contains the following items:

- 1x Insteon 2334-222 Smart Dimmer 8-Scene Keypad
- 2x Mounting Screws
- 8x Pre-printed opaque buttons
- 1x Quick Start Guide
- 4x Wire Nuts

## 4. SETUP AND INSTALLATION

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### 4.1 Pre-Installation Checklist

1. **Power Off:** Turn off the power to the switch location at the circuit breaker.
2. **Verify Neutral Wire:** This device requires a neutral wire (typically white) in the electrical box. If you do not have a neutral wire, this device is not compatible.
3. **Tools Required:** Phillips screwdriver, wire strippers, voltage tester.

### 4.2 Wiring Instructions

Follow these steps carefully to wire your Insteon Keypad Dimmer:

1. Remove the existing wall switch from the electrical box.
2. Identify the wires: Line (hot), Load, Neutral, and Ground. Use a voltage tester to confirm the Line wire is de-energized.
3. Connect the Insteon Keypad Dimmer wires to your home's wiring using the provided wire nuts:
  - **Black wire (Keypad) to Line wire (House)**
  - **Red wire (Keypad) to Load wire (House)**
  - **White wire (Keypad) to Neutral wire (House)**
  - **Bare copper wire (Keypad) to Ground wire (House)**



Figure 2: Basic wiring diagram for the Insteon Keypad Dimmer. Connect Line, Load, Neutral, and Ground wires as shown.

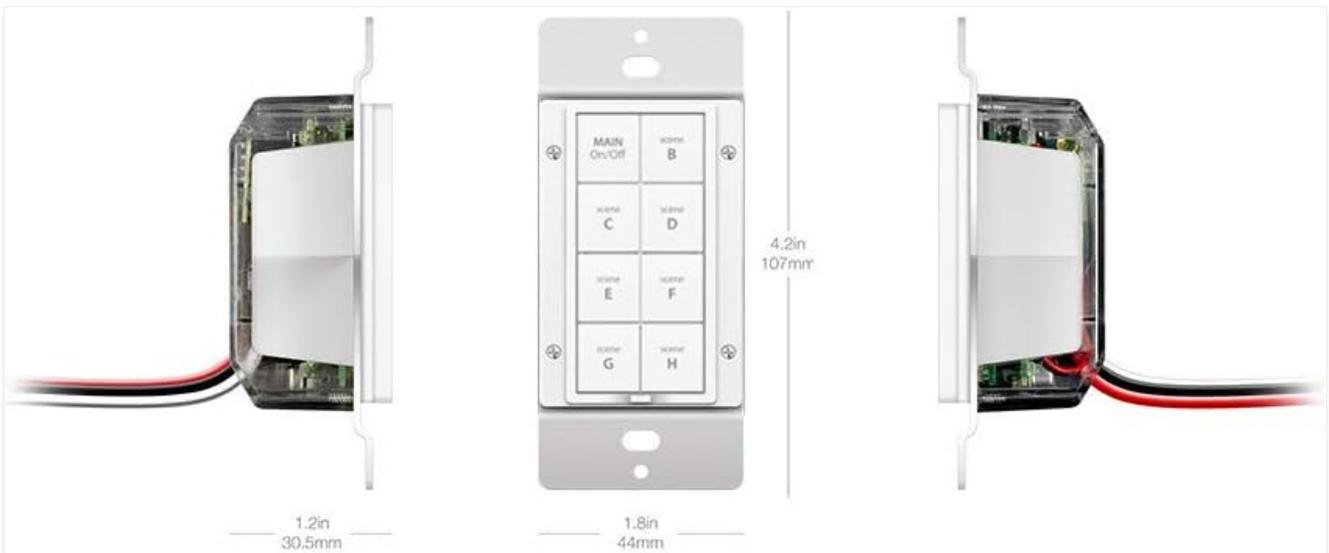


Figure 3: Internal view of the Insteon Keypad Dimmer showing wire connections.

### 4.3 Mounting and Power On

1. Carefully fold the wires into the electrical box, ensuring no wires are pinched.
2. Mount the Insteon Keypad Dimmer into the electrical box using the provided screws.
3. Attach the wall plate (sold separately) over the keypad.
4. Restore power at the circuit breaker. The keypad's LEDs should illuminate.

### 4.4 Linking with Insteon Hub and App

For full functionality, including remote control, scene creation, and voice assistant integration, link your Keypad Dimmer to an Insteon Hub and the Insteon Home app.

1. Download the Insteon Home app from your device's app store.

2. Follow the in-app instructions to add your Insteon Hub (if not already set up).
3. Within the app, select to add a new device and follow the prompts to link your Keypad Dimmer. You may be instructed to press the Set button on the keypad until you hear a double-beep.



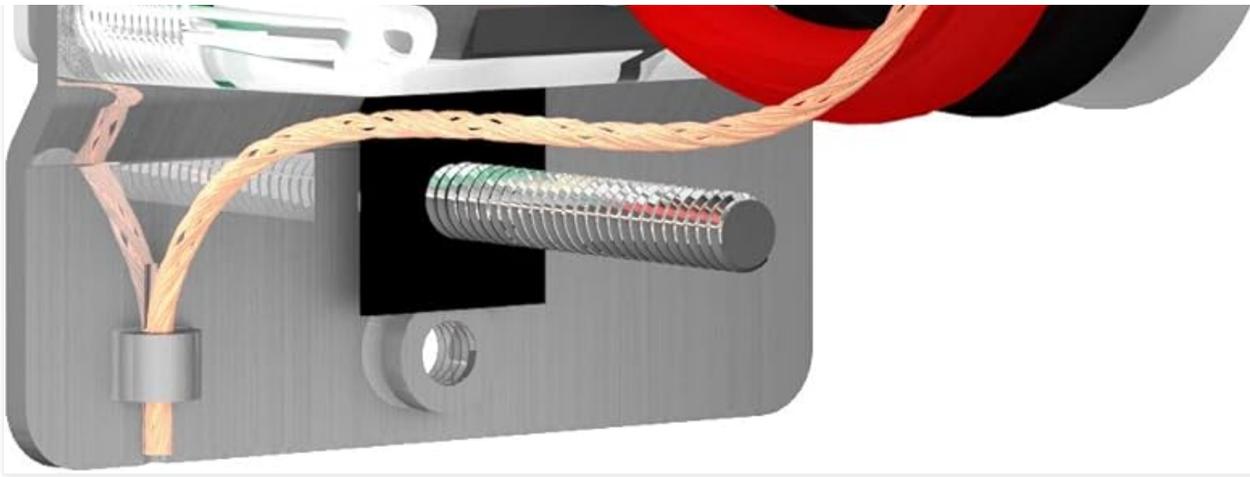


Figure 4: Controlling the Insteon Keypad Dimmer via the Insteon Home smartphone app.

## 5. OPERATING INSTRUCTIONS

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### 5.1 Basic On/Off and Dimming

The top-left button, labeled "MAIN On/Off", controls the directly wired load (e.g., lights connected to the dimmer).

- **Tap:** Toggles the connected lights On or Off.
- **Press and Hold:** Brightens or dims the connected lights. Release when desired brightness is reached.

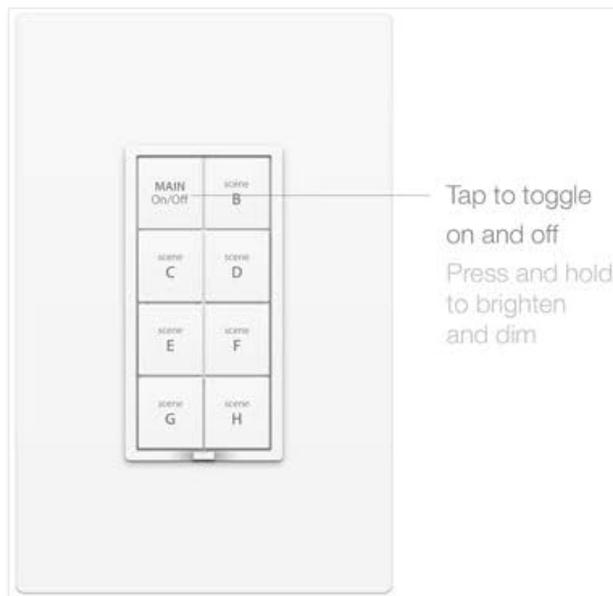


Figure 5: Illustration of main button functionality for On/Off and dimming.

### 5.2 Scene Control

The remaining seven buttons (labeled B through H) can be programmed to control other Insteon devices or activate custom lighting scenes throughout your home. Each button features a backlit LED to indicate the status of the linked device or scene.

- **Programming:** Use the Insteon Home app to link these buttons to individual devices (e.g., Insteon LED Bulbs, plug-in modules) or to create complex scenes (e.g., "Goodnight" scene that turns off all lights).
- **Activation:** Tap a scene button to activate or deactivate the programmed scene or device.
- **Status Indication:** The LED next to each scene button will light up to show if the linked device or scene is active.

## 6. MAINTENANCE

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The Insteon Keypad Dimmer requires minimal maintenance.

- **Cleaning:** To clean the device, gently wipe it with a soft, damp cloth. Do not use abrasive cleaners or solvents, as these may damage the finish.
- **Firmware Updates:** Periodically check the Insteon Home app for available firmware updates for your device. Updates can improve performance and add new features.

## 7. TROUBLESHOOTING

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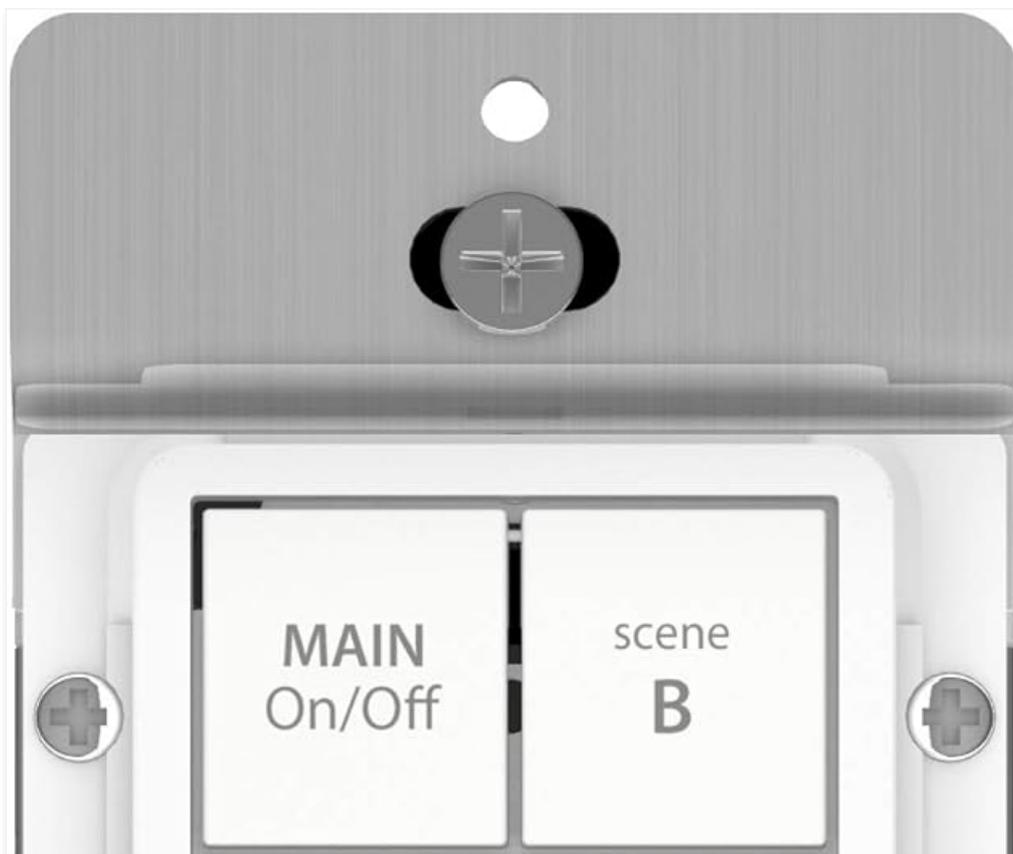
If you encounter issues with your Insteon Keypad Dimmer, try the following solutions:

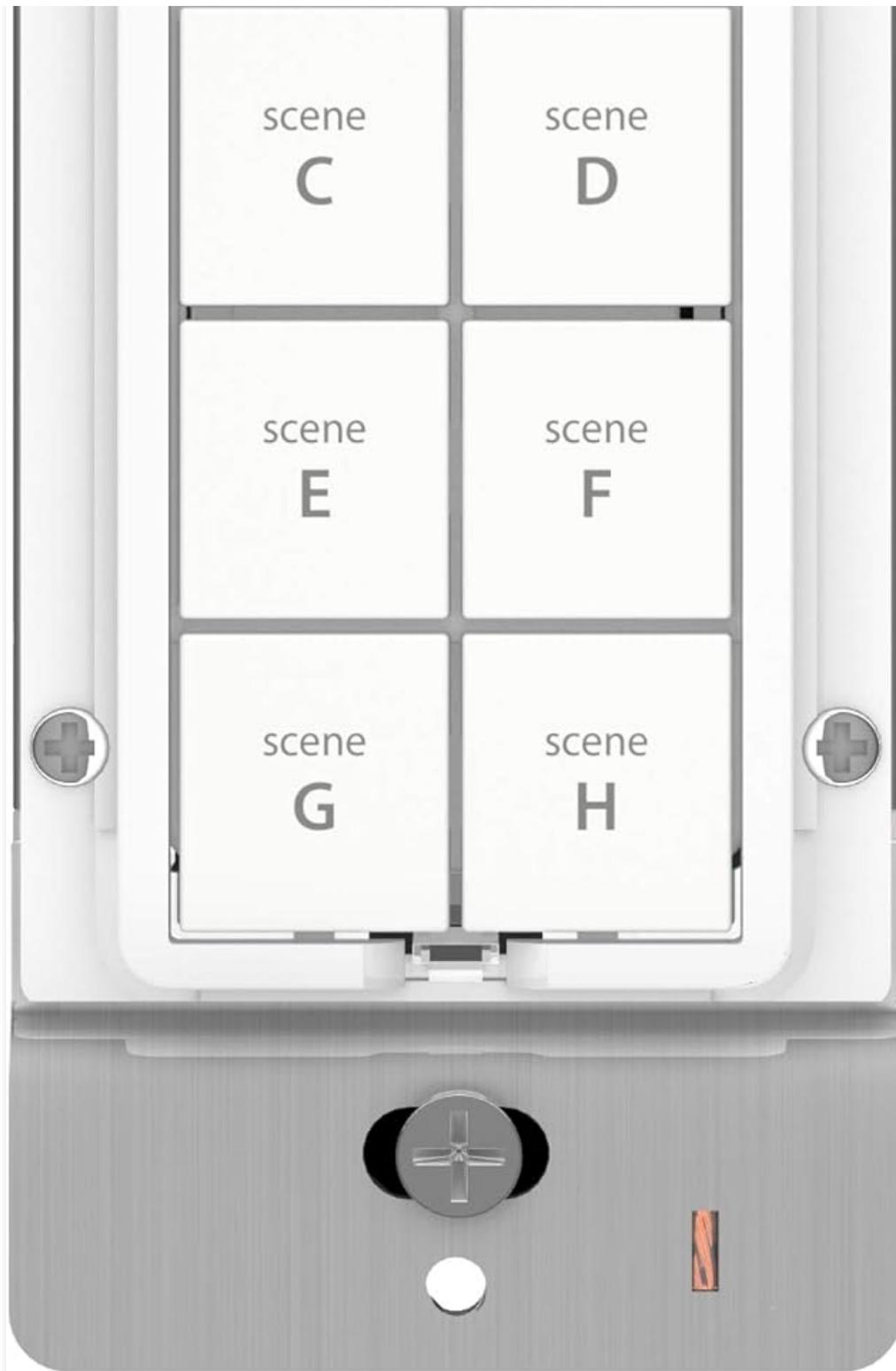
- **Device Unresponsive/No Power:**
  - Check the circuit breaker to ensure power is supplied to the switch.
  - Verify all wiring connections are secure and correct (Line, Load, Neutral, Ground).
  - Ensure the device is properly linked to your Insteon Hub.
- **Lights Not Dimming Properly:**
  - Confirm that the connected light bulbs are dimmable.
  - Check the total wattage of the connected lights to ensure it does not exceed 600W.
- **Scene Buttons Not Working:**
  - Verify that the scene buttons have been properly programmed and linked to devices or scenes via the Insteon Home app.
  - Ensure the linked Insteon devices are powered on and within range.
- **Insteon Hub Connectivity Issues:**
  - Restart your Insteon Hub and your home router.
  - Ensure your Insteon Hub has a stable internet connection.

## 8. SPECIFICATIONS

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Feature	Detail
Model Number	2334-222
Brand	Insteon
Style	8 Button Keypad Dimmer
Wattage	600W
Operating Voltage	1 Kilovolts (Standard 120VAC, 60Hz)
Current Rating	1 Amps
Connectivity Protocol	Insteon
Control Method	Voice (via Insteon Hub, Alexa, Google Assistant)
Control Type	Multi-device and scene control
Dimensions (L x W x H)	3 x 6 x 5 inches
Item Weight	4.8 ounces
Color	White
Material	Plastic, Alloy Steel
Usage	Commercial/Residential
Special Features	Easy to Install
Required Accessories	Insteon Hub 2 (2245-222), Insteon Home Connected Access (both sold separately)





*Figure 6: Dimensions of the Insteon Smart 8-Button Dimmer Keypad.*

## 9. WARRANTY INFORMATION

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This Insteon product comes with a **2-Year Manufacturer Warranty**. For specific terms and conditions, please refer to the warranty documentation included with your product or visit the official Insteon support website.

## 10. SUPPORT

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For additional documentation, troubleshooting guides, and customer support, please visit the official Insteon support website:

