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Fdit Fdittgzs4gem3o3003

Fdit AC 110V-240V In-Wall PIR Motion Sensor Light Switch User Manual

Model: Fdittgzs4gem3o3003

Introduction

This manual provides instructions for the installation, operation, and maintenance of your Fdit AC 110V-240V In-Wall PIR Motion Sensor Light Switch. This device is designed to automatically control lighting and exhaust ventilation based on detected motion, offering convenience and energy efficiency.

Safety Information

WARNING: Installation should only be performed by a qualified electrician. Ensure power is disconnected at the circuit breaker before installation to prevent electric shock. Do not exceed the specified inductive load of 150W.

- Always disconnect power before installation or maintenance.
- Do not expose the device to moisture or extreme temperatures.
- Ensure proper wiring connections to avoid damage or hazards.
- This device is for indoor use only.

Setup and Installation

The Fdit PIR Motion Sensor Light Switch is designed for in-wall mounting. Follow these steps for proper installation:

1. **Disconnect Power:** Turn off the main power supply at the circuit breaker before beginning any electrical work.
2. **Prepare Wiring:** Identify the Live (L), Neutral (N), and Load (L') wires from your existing switch box.
3. **Connect Wires:**
    - Connect the Live (L) wire from the power supply to the 'L' terminal on the sensor switch.
    - Connect the Neutral (N) wire from the power supply to the 'N' terminal on the sensor switch.
    - Connect the Load (L') wire (to the light fixture or fan) to the 'L' with a circle terminal on the sensor switch.



Image: Back view of the sensor switch with wiring terminals clearly marked. The 'L' terminal is for Live input, 'N' for Neutral input, and the 'L' with a circle symbol is for the Load output to the controlled device.



Image: Detailed close-up of the back of the sensor switch, highlighting the wiring diagram for Live (L), Neutral (N), and Load (L with circle) connections. This view also shows the IP20 rating.

4. **Mount the Switch:** Secure the sensor switch into the wall box using the provided screws.
5. **Restore Power:** Once installation is complete and secure, restore power at the circuit breaker.

Operating Instructions

The Fdit PIR Motion Sensor Light Switch features a simple three-position slide switch for operation:



Image: Close-up of the front of the sensor switch, clearly showing the slide switch with "ON", "OFF", and "PIR" labels. The PIR sensor lens is visible above the switch.

- **ON Position:** When the switch is set to "ON", the connected light or fan will remain continuously active, functioning as a standard switch.
- **OFF Position:** When the switch is set to "OFF", the connected light or fan will remain continuously inactive, functioning as a standard switch.
- **PIR Position:** When the switch is set to "PIR", the device will operate as an infrared motion sensor switch. The connected light or fan will turn on automatically when motion is detected within its range and turn off after a set delay if no further motion is detected.

Adjusting Settings

The light sensitivity and time delay settings can be adjusted to suit your preferences. These adjustments are typically

made via small dials or potentiometers located on the device, often behind the faceplate or on the sensor module itself. Refer to the specific markings on your device for adjustment points.

- **Time Delay:** Adjustable from approximately 5 seconds to 7 minutes. This controls how long the light/fan remains on after the last detected motion.
- **Light Sensitivity:** This setting determines the ambient light level at which the sensor will activate. For example, you can set it to only activate in low light conditions.

Maintenance

The Fdit PIR Motion Sensor Light Switch requires minimal maintenance. Follow these guidelines to ensure optimal performance:

- **Cleaning:** Gently wipe the sensor lens and outer casing with a soft, dry cloth. Do not use abrasive cleaners or solvents, as these can damage the device.
- **Inspection:** Periodically check for any loose connections or visible damage. If any issues are found, disconnect power and consult a qualified electrician.
- **Environment:** Ensure the sensor is not obstructed by furniture, curtains, or other objects that could block its detection range.

Troubleshooting

If you experience issues with your Fdit PIR Motion Sensor Light Switch, refer to the following troubleshooting tips:

Problem	Possible Cause	Solution
Light/Fan does not turn on with motion.	◦ Switch is in "ON" or "OFF" position. ◦ Power is off. ◦ Light sensitivity setting is too low (sensor thinks it's bright). ◦ Motion is outside detection range. ◦ Faulty wiring.	◦ Set switch to "PIR" position. ◦ Check circuit breaker. ◦ Adjust light sensitivity setting. ◦ Ensure motion occurs within 8m and 140-degree range. ◦ Consult a qualified electrician to check wiring.
Light/Fan stays on continuously.	◦ Switch is in "ON" position. ◦ Constant motion detected. ◦ Time delay setting is too long. ◦ Faulty sensor.	◦ Set switch to "PIR" or "OFF" position. ◦ Ensure no continuous motion or heat sources (e.g., heating vents) are in the detection zone. ◦ Adjust time delay setting to a shorter duration. ◦ If problem persists, the sensor may be faulty and require replacement.
Light/Fan turns on randomly.	◦ Sensor detecting unintended motion (pets, drafts). ◦ Interference from other electrical devices.	◦ Adjust sensor angle or sensitivity to minimize false triggers. ◦ Ensure the sensor is not near strong electromagnetic fields.

Specifications

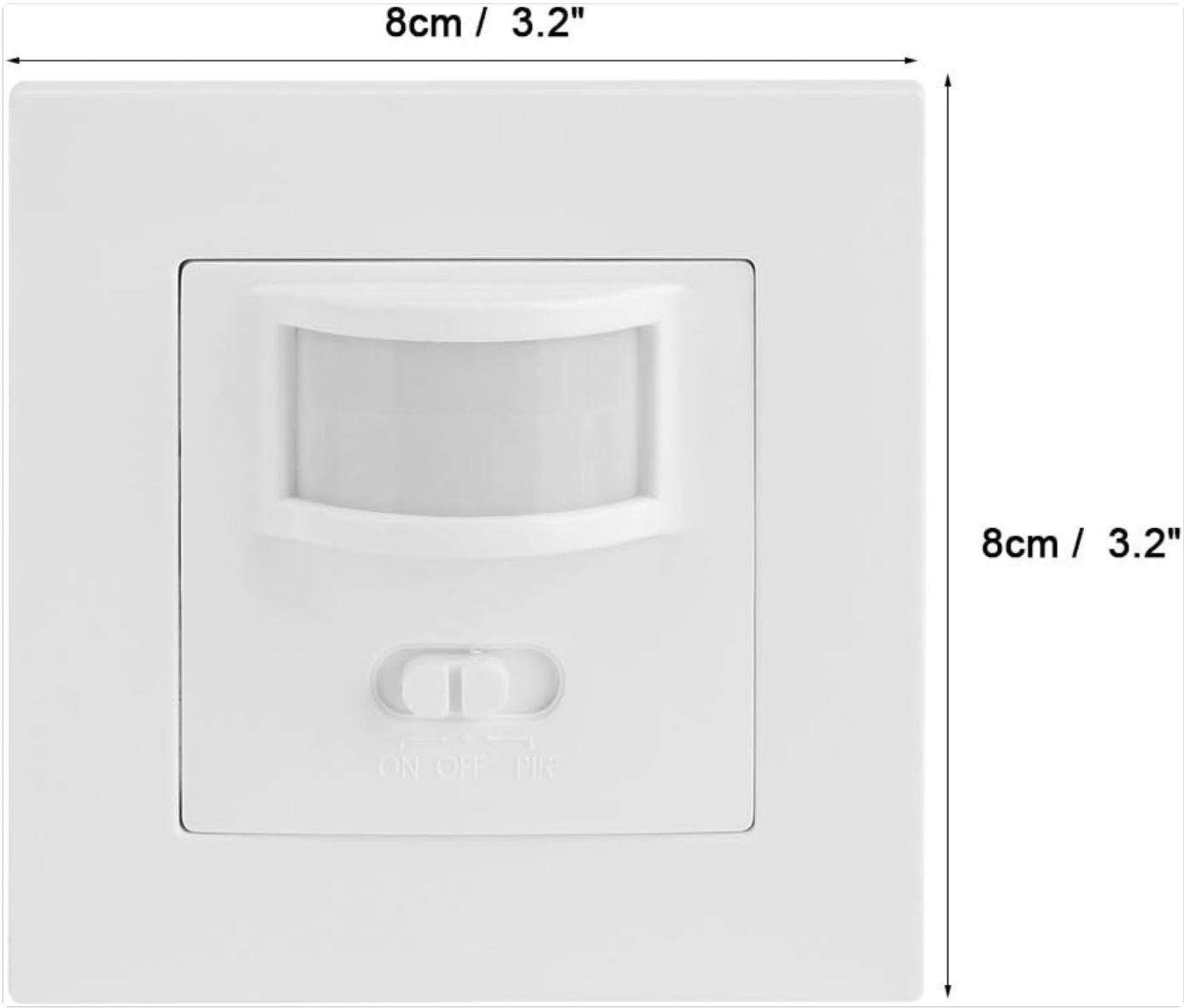


Image: Front view of the Fdit PIR Motion Sensor Light Switch, illustrating its compact size with dimensions of approximately 8cm (3.2 inches) by 8cm (3.2 inches).

Feature	Detail
Brand	Fdit
Model Number	Fdittgzs4gem3o3003
Input Voltage	AC 110V-240V
Detection Range	8 meters (140 degrees)
Time Delay	Adjustable from 5 seconds to 7 minutes
Inductive Load	Max 150W
Material	PVC
Product Size	Approx. 8 x 8 cm (3.2 x 3.2 inches)
Mounting Type	Wall Mount

Feature	Detail
Power Source	Wired Electric
Batteries Required	No
Recommended Use	Control of lighting and exhaust ventilation
Frequency	140 Hz

Warranty Information

Specific warranty details for this product are not provided in the available information. Please refer to your purchase documentation or contact the retailer for warranty terms and conditions.

Customer Support

For technical assistance or inquiries regarding your Fdit PIR Motion Sensor Light Switch, please contact your retailer or the manufacturer directly. Keep your purchase receipt and model number (Fdittgzs4gem3o3003) ready when contacting support.
You can visit the Fdit store on Amazon for more information:Fdit Store

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