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Utilitech GYQ27-W

Utilitech GYQ27-W Motion Sensor Instruction Manual

Model: GYQ27-W

PRODUCT OVERVIEW

The Utilitech GYQ27-W is a white wire-in replacement motion sensor designed for outdoor lighting applications. It provides automatic light control by detecting motion and activating the light for a set duration. This sensor offers wide coverage and includes features for energy efficiency and manual override.



Figure 1: Front view of the Utilitech GYQ27-W White Wire-in Replacement Motion Sensor. The sensor features a compact, white housing with a translucent detection lens at the front and a threaded base for wire-in installation.

KEY FEATURES

- **Automatic Light Control:** Turns lights on when motion is detected.
- **Adjustable Timer:** Light remains on for 1, 3, or 10 minutes after motion ceases, with a 5-second test mode.
- **Wide Coverage:** Provides up to 240° coverage and 69-ft of downward perimeter protection.
- **Dusk-to-Dawn Sensor:** Automatically activates at dusk and deactivates at dawn.
- **Broad Compatibility:** Compatible with dimmable LED, dimmable CFL, halogen, and incandescent bulbs.
- **Energy Efficiency:** Features 2-level brightness technology.
- **Manual Override:** Allows the light to operate constantly for a selected period.

SETUP AND INSTALLATION

Proper installation is crucial for optimal performance and safety. It is recommended to consult a qualified electrician if you are unsure about any steps.

Safety Precautions

- Always turn off power at the circuit breaker before installation or servicing.
- Ensure wiring connections are secure and comply with local electrical codes.
- Do not exceed the maximum wattage rating of the connected lighting fixture.

Installation Steps

1. **Turn Off Power:** Locate the circuit breaker controlling the outdoor light fixture and switch it to the OFF position. Verify power is off using a voltage tester.
2. **Remove Existing Sensor (if applicable):** Carefully disconnect the wiring from the old motion sensor or light fixture.
3. **Connect Wiring:** Follow the wiring diagram provided with your specific light fixture. Typically, this involves connecting the sensor's wires (line, load, neutral) to the corresponding wires from the power supply and the light fixture. Ensure all connections are tight and insulated with wire nuts.
4. **Mount Sensor:** Securely mount the Utilitech GYQ27-W motion sensor to the desired location. Ensure it has a clear line of sight to the area you wish to monitor.
5. **Restore Power:** Once all connections are secure and the sensor is mounted, turn the power back on at the circuit breaker.

OPERATING INSTRUCTIONS

The GYQ27-W motion sensor offers several adjustable settings to customize its operation.

Adjusting Settings

- **Time Setting:** The sensor allows you to set the duration the light remains on after motion is detected. Common settings are 1, 3, or 10 minutes. Refer to the sensor's physical controls for specific adjustment methods (e.g., dial, switch).
- **Test Mode:** A 5-second test mode is available for initial setup and aiming. In this mode, the light will turn on for approximately 5 seconds each time motion is detected, regardless of the set time.
- **Dusk-to-Dawn Feature:** The integrated photocell automatically prevents the light from activating during daylight hours, conserving energy. The sensor will only activate the light when ambient light levels fall below a certain threshold.
- **Sensitivity Adjustment:** Some models may include a sensitivity dial to adjust the range or sensitivity of motion detection. Adjust this to prevent false triggers from small animals or distant objects.

Manual Override

To keep the light on continuously for a period, you can typically activate the manual override function. This is often done by quickly turning the light switch OFF and then ON within a few seconds. The light will then stay on until the override period expires or the

switch is cycled again. Consult the specific instructions that came with your sensor for precise manual override steps.

MAINTENANCE

The Utilitech GYQ27-W motion sensor requires minimal maintenance to ensure long-term performance.

- **Cleaning:** Periodically wipe the sensor lens with a soft, damp cloth to remove dust, dirt, or cobwebs that may obstruct the sensor's view. Do not use abrasive cleaners.
- **Inspection:** Annually inspect the wiring and mounting for any signs of wear, damage, or loosening. Ensure the sensor is still securely positioned.
- **Environmental Factors:** Keep the area around the sensor clear of obstructions like tree branches or tall shrubs that could block the detection field or cause false triggers due to wind movement.

TROUBLESHOOTING

If your Utilitech GYQ27-W motion sensor is not functioning as expected, refer to the following common issues and solutions:

Problem	Possible Cause	Solution
Light does not turn on when motion is detected.	No power to the sensor. Sensor lens is dirty or obstructed. Sensor is aimed incorrectly. Bulb is burnt out or incompatible. Ambient light is too high (dusk-to-dawn feature).	Check circuit breaker and wiring connections. Clean the sensor lens. Adjust sensor aim to cover the desired area. Replace bulb; ensure it's compatible (dimmable LED, CFL, halogen, incandescent). Wait until it's darker or cover the photocell temporarily to test.
Light stays on continuously.	Manual override is active. Constant motion in detection zone. Wiring error. Sensor malfunction.	Cycle power (turn off/on) to deactivate manual override. Clear obstructions or adjust sensor aim to avoid constant triggers. Verify wiring connections are correct. If issues persist, the sensor may need replacement.
Light turns on for no apparent reason (false triggers).	Movement of trees/shrubs in detection zone. Reflective surfaces (e.g., pool, car). Heat sources (e.g., dryer vent, furnace exhaust). Sensor sensitivity is too high.	Trim foliage or adjust sensor aim. Reposition sensor to avoid reflective surfaces. Relocate sensor away from heat sources. If available, reduce sensor sensitivity.

SPECIFICATIONS

Attribute	Value
Model Number	GYQ27-W

Attribute	Value
Brand	Utilitech
Color	White
Power Source	Corded Electric
Product Dimensions	5 x 3 x 2 inches
Item Weight	1.2 Pounds
Maximum Range	69 Feet
Coverage Angle	Up to 240°
Compatible Bulbs	Dimmable LED, Dimmable CFL, Halogen, Incandescent

WARRANTY AND SUPPORT

Information regarding specific warranty terms for the Utilitech GYQ27-W motion sensor is not provided in this manual. For warranty details, technical support, or replacement parts, please refer to the original product packaging or contact Utilitech customer service directly.

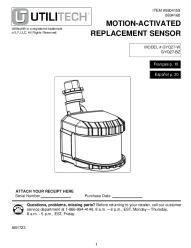
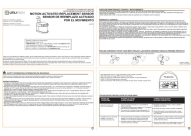
You may also visit the official Utilitech website for the most up-to-date information and support resources.

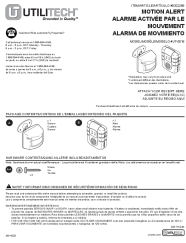





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This manual is for informational purposes only. Specifications are subject to change without notice.

Related Documents - GYQ27-W

	<p>Utilitech Motion-Activated Replacement Sensor Installation and Operation Guide</p> <p>Comprehensive guide for installing and operating the Utilitech Motion-Activated Replacement Sensor (Models GYQ27-W, GYQ27-BZ), including safety, troubleshooting, and warranty information.</p>
	<p>Utilitech Motion-Activated Replacement Sensor Installation Guide (GYQ27-W/GYQ27-BZ)</p> <p>Comprehensive guide for installing and operating the Utilitech motion-activated replacement sensor (models GYQ27-W, GYQ27-BZ). Includes safety, installation steps, operating modes, and troubleshooting.</p>

	<p>Utilitech Motion Alert System UT-6019 User Manual</p> <p>Comprehensive user manual for the Utilitech Motion Alert System UT-6019, providing detailed installation instructions, safety guidelines, troubleshooting tips, and warranty information for this consumer motion sensor alarm.</p>
	<p>Utilitech Motion Activated Security Flood Light Installation and Operation Guide</p> <p>Comprehensive guide for installing and operating the Utilitech Motion Activated Security Flood Light, including safety information, troubleshooting, and maintenance. Features model numbers 4891899, 4891900, 7635428412, and 7635428053.</p>
	<p>Utilitech UTTNID001 Digital Timer: Programming and User Guide</p> <p>Learn how to program and use the Utilitech UTTNID001 digital timer with this comprehensive guide. Covers initial setup, scheduling ON/OFF events, manual override, troubleshooting, safety, and warranty information.</p>
	<p>UTILITECH 18-Inch Direct-Wire LED Undercabinet Light Installation Guide</p> <p>Comprehensive guide for the UTILITECH 18-inch direct-wire LED undercabinet light (Model MXW1011-L75K9027). Includes preparation, installation steps, troubleshooting, care, warranty, and safety information.</p>

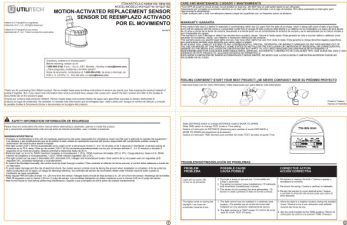
Documents - Utilitech – GYQ27-W



[Utilitech Motion-Activated Replacement Sensor Installation and Operation Guide](#)

Comprehensive guide for installing and operating the Utilitech Motion-Activated Replacement Sensor (Models GYQ27-W, GYQ27-BZ), including safety, troubleshooting, and warranty information.

lang:en score:19 filesize: 1017.74 K page_count: 29 document date: 2017-06-01



[Utilitech Motion-Activated Replacement Sensor Installation Guide \(GYQ27-W/GYQ27-BZ\)](#)

Comprehensive guide for installing and operating the Utilitech motion-activated replacement sensor (models GYQ27-W, GYQ27-BZ). Includes safety, installation steps, operating modes, and troubleshooting.

lang:es score:18 filesize: 1.43 M page_count: 2 document date: 2025-07-29