

# Defiant Model A22 Qa079 Manual

# DEFIANT®

## Use and Care Guide DAYLIGHT ADJUSTING INDOOR DIGITAL TIMER

Item #409-637

### Quick Start Guide

**NOTE:** See installation section for wiring instructions.

#### STEP 1: SETTING THE CURRENT DAY AND TIME

**WARNING:** Shut off power at the fuse box or circuit breaker before performing any wiring or installation.

- Press the **SETUP** button and **CAL** will begin to flash. Press **ENTER** to set the Date.
- Use **+/-** buttons to select the current year and press **ENTER**. Continue to use the **+/-** buttons to set the month, day, hour, and minute.

**NOTE:** Ensure that you set AM/PM when setting the hours. Date format displayed is - MM DD YY.

- Continue to press the **ENTER** button to skip DST, Zone, Sunrise, and Sunset settings.

**NOTE:** Refer to Detailed Instructions for extra features for DST (Daylight Savings Time), Time Zone, **SUNUP** and **SUNSET**.

#### STEP 2: ON/OFF PROGRAMMING

- Press the **SETUP** button twice and "P1 ON" will display. See Figure 1.

- Program **ON**: Use **+/-** buttons to select program number and on and push **ENTER** button to set.

Select Day: Use **+/-** buttons to select the days and press **ENTER** to confirm.

**NOTE:** Press **ENTER** again to enter time setting from the screen with **PSD** and days flashing.

Select Time: Use the **+/-** buttons to scroll to the **TIME** option and press **ENTER**. The hour will begin to flash. Continue to use the **+/-** and **ENTER** buttons to set the hour and minute **ON** times.

- Program **OFF**: Repeat b steps to set off day and time.

**NOTE:** Push **SETUP** button to save and skip programming mode after saving.

Figure 1

#### PRODUCT DESCRIPTION

Part	Description
A	ON/OFF button: Turns the timer ON/OFF.
B	SETUP button: Press once to set the calendar/clock. Press twice to set or change programming.
C	"+" and "-" buttons: Press to scroll through menu options. Press and hold both "+" and "-" to switch Timer into manual mode.
D	RESET button: Press and hold for three seconds to reset the system.
E	AUTO button: Press once to activate the timer after programming is complete. Press once to return to Auto mode when in Manual mode or Random mode.
F	PSD button: Press once to activate the random features.
G	ENTER button: Press to confirm indicated settings.
H	TIMER DOOR: Close after programming. Press to turn ON/OFF (Timer on/off).

#### Pre-Installation

##### HARDWARE INCLUDED

##### SAFETY INFORMATION

**NEW OF ELECTRIC SHOCK:**

- Shut off the power at the fuse box or circuit breaker before installation.
- Do not use in wet locations.
- Use indoors only.

**WARNING:**

**NEW OF ELECTRIC SHOCK:**

- Do not use to control appliances that contain heating elements such as cooking appliances, heaters, and fans.
- Do not exceed electrical ratings.
- Do not use to control receptacles.
- Use only copper wire with this device.

This device complies with part 15 of the FCC and Industry Canada (Interference RSS standards). Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

##### FCC NOTICE

The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

**NOTE:** This equipment has been tested and found to comply with the limits for a Class II digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

RATINGS				
120V AC, 60 Hz	15A Breakers	15A Tanglers	6A Switch	1 HP Motor
				1800 VA Mechanical Switch

##### CHANGING THE FACEPLATE

This device includes a light-absorbing faceplate. To switch faceplates, follow the steps below.

- Gently remove the white faceplate using a flathead screwdriver. Starting at the top left corner, gently pry the faceplate loose, working around the edge until it pops off.
- Find the light-absorbing faceplate in the package. Place the new faceplate into position and carefully push until it snaps into place.

##### PREPARING FOR MULTI-SWITCH INSTALLATIONS

When combining controls in a wall box, remove all the inner side sections prior to making the electrical connections.

- Use pliers to bend the side section up and down until it breaks off.
- Repeat the process for each side section to be removed.

Figure A - Removing Side Sections Prior to Connection

#### Detailed Installation Instructions

This timer has 3 different installation options. Please refer to the following descriptions for the installation instructions that apply to you.

- Single pole installation is for when you only have one switch that controls your light.
- 3-Way installation is for when you have two switches that control the same light. You will need to know if you are installing your timer on the Line or Load side of your 3-Way switch and follow those installation instructions appropriately.
- For a 3-Way installation, the Line side has the common (put) terminal tied to 120VAC.
- The switch on the Load side has the common (put) terminal tied to the lamp/hot switch turns OFF and ON.

**WARNING:** Shut off power at the fuse box or circuit breaker before performing any wiring or installation.

#### 1 SINGLE POLE INSTALLATION

**NOTE:** For 3-way timer control and operation for features with mechanical indicator, install the timer in the "load side" wiring box.

Disconnect the power of the circuit breaker or fuse box, and remove the existing switch.

- Connect the wires of the timer to the wall box as shown, using the wire nuts provided. See Figure 2.
  - Connect the hot/live wire from the line to the black wire from the timer.
  - Connect the hot/live wire from the load to the blue wire from the timer.
  - Connect the ground wire to the green wire from the timer.
  - Connect the neutral wire to the white wire from the timer. Often the neutral (white) wire can be found in the back of the wire box connected with a wire nut. There may be several neutral wires bound together. Add the neutral to all neutral wires bound together making sure the wire nut is tight.
  - Attach a wire nut to the red (bracket) wire from the back of the timer. This wire is not needed in the single pole installation.
- Ensure that all wire nuts are secure. Tuck the wires into the wall box, leaving room for the timer.
- Use the screws (2) to mount the timer to the wall box, being careful not to crush any wires.
- Reinstall your wall plug.
- Turn the main power

# Defiant Model A22 QA079 Manual: A Comprehensive Guide

The Defiant Model A22 QA079 is a versatile and reliable product, designed to provide users with an efficient solution for their lighting needs. This manual aims to provide a detailed overview of the features, installation procedures, troubleshooting tips, and maintenance practices for the Defiant Model A22 QA079. Understanding the specifications and functionalities of this model is essential for maximizing its potential and ensuring long-term satisfaction.

# Overview of the Defiant Model A22 QA079

The Defiant Model A22 QA079 is a high-performance outdoor lighting fixture that combines modern design with practicality. It is particularly known for its energy efficiency and ease of installation. This model is suitable for various applications, including residential and commercial settings, providing bright illumination for areas such as driveways, patios, and gardens.

## Key Features

The Defiant Model A22 QA079 includes several notable features:

- **LED Technology:** The model utilizes LED bulbs, which offer longer lifespans and reduced energy consumption compared to traditional incandescent bulbs.
- **Weather Resistance:** Built to withstand various weather conditions, the fixture is designed with durable materials that resist rust and corrosion.
- **Adjustable Brightness:** Users can adjust the brightness settings to suit their needs, enhancing the overall flexibility of the lighting experience.
- **Motion Detection:** Equipped with a motion sensor, the A22 QA079 can detect movement within a specified range, making it a practical choice for security lighting.
- **Easy Installation:** The product comes with a user-friendly installation guide, enabling quick setup without the need for professional assistance.

## Installation Instructions

Installing the Defiant Model A22 QA079 is a straightforward process that can typically be completed in a few simple steps. Before starting the installation, ensure that you have all necessary tools and equipment readily available.

## Tools Required

To install the Defiant Model A22 QA079, you will need the following tools:

- Screwdriver (flathead and Phillips)
- Drill with appropriate drill bits
- Level
- Wire connectors
- Safety goggles
- Ladder (if required for height)

## Step-by-Step Installation Guide

Follow these steps to install your Defiant Model A22 QA079:

1. **Choose the Location:** Select a suitable location for the fixture, ideally at a height of 8 to 10 feet to optimize the lighting effect and motion detection.
2. **Prepare the Mounting Surface:** Ensure that the surface is clean and free from debris. If mounting on a wall, use a level to mark where the fixture will be installed.
3. **Drill Holes:** Use the drill to create holes for the mounting screws. Ensure that the holes align with the mounting bracket.
4. **Attach the Mounting Bracket:** Secure the mounting bracket to the wall or post using the screws provided in the package.
5. **Wire Connections:** Connect the electrical wires according to the instructions in the manual:
  - Connect the black wire from the fixture to the black supply wire.
  - Connect the white wire from the fixture to the white supply wire.
  - Connect the ground wire (usually green or bare) to the grounding wire.
6. **Attach the Fixture:** Once the wiring is complete, carefully attach the fixture to the mounting bracket and secure it in place.
7. **Test the Light:** Turn on the power and test the functionality of the light, ensuring that the motion sensor and brightness settings are working as intended.

## **Operating the Defiant Model A22 QA079**

Understanding how to operate the Defiant Model A22 QA079 will enhance your experience with the product. The model features several settings that can be adjusted based on your preferences.

### **Brightness Settings**

To adjust the brightness of the Defiant Model A22 QA079:

- Locate the brightness control dial on the fixture.
- Turn the dial to increase or decrease the intensity of the light as needed.

### **Motion Sensor Adjustment**

The motion sensor can be configured to meet your specific security needs. Follow these guidelines to adjust the sensor:

1. **Sensitivity Settings:** The sensitivity can typically be adjusted to detect movement from varying distances. Refer to the manual for specific instructions on how to change these settings.
2. **Duration Settings:** You can also set how long the light remains on after detecting motion. This is usually adjustable between 10 seconds to several minutes.

# Troubleshooting Common Issues

Despite its robust design, users may encounter issues with the Defiant Model A22 QA079. Here are some common problems and their solutions:

## Light Does Not Turn On

- Check Power Supply: Ensure that the fixture is connected to a power source and that the circuit breaker is not tripped.
- Inspect Bulb: If using replaceable bulbs, check to see if the bulb needs replacement.
- Wiring Issues: Ensure that all wire connections are secure and properly insulated.

## Motion Sensor Not Detecting

- Sensitivity Level: Check the sensitivity settings on the motion sensor. Adjust if necessary.
- Obstructions: Ensure that there are no obstructions blocking the sensor's line of sight.

## Light Flickering

- Loose Connections: Inspect all electrical connections to ensure they are tight and secure.
- Incompatible Bulbs: If using replaceable bulbs, ensure they are compatible with the fixture.

## Maintenance Tips

To ensure optimal performance and longevity of the Defiant Model A22 QA079, regular maintenance is essential. Here are some maintenance tips:

- Clean the Fixture: Regularly wipe down the fixture with a damp cloth to remove dirt and debris.
- Check for Damage: Periodically inspect the fixture for any signs of wear, rust, or physical damage.
- Test Functionality: Regularly test the light and motion sensor to ensure they are functioning properly.

## Conclusion

The Defiant Model A22 QA079 is an excellent choice for those seeking a reliable and efficient outdoor lighting solution. With its user-friendly installation process, adjustable settings, and robust design, users can enjoy enhanced security and illumination in various settings. By following the outlined guidelines for installation, operation, troubleshooting, and maintenance, you can maximize the benefits of this versatile lighting fixture. Whether for residential or commercial use, the Defiant Model A22 QA079 stands as a testament to quality and innovation in outdoor lighting technology.

# Frequently Asked Questions

## What is the Defiant Model A22 QA079 used for?

The Defiant Model A22 QA079 is typically used as a security device, providing motion detection and surveillance capabilities.

## Where can I find the manual for the Defiant Model A22 QA079?

The manual for the Defiant Model A22 QA079 can usually be found on the manufacturer's website or in the product packaging.

## What are the key features of the Defiant Model A22 QA079?

Key features include motion detection, adjustable sensitivity, night vision, and weather resistance.

## How do I reset the Defiant Model A22 QA079?

To reset the Defiant Model A22 QA079, locate the reset button, usually found on the back or bottom of the device, and press it for a few seconds until the LED indicator blinks.

## Is the Defiant Model A22 QA079 compatible with smart home systems?

Yes, the Defiant Model A22 QA079 is compatible with various smart home systems, allowing for integration and remote monitoring.

## What should I do if the Defiant Model A22 QA079 is not detecting motion?

Check the sensitivity settings, ensure the device is not obstructed, and verify that the power supply is functioning properly.

## How do I install the Defiant Model A22 QA079?

Installation typically involves mounting the device at an appropriate height, connecting it to power, and following the specific instructions in the manual for setup.

## What troubleshooting steps are recommended for the Defiant Model A22 QA079?

Common troubleshooting steps include checking the power source, ensuring the lens is clean, adjusting sensitivity settings, and restarting the device.

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