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› [Defiant Mini-Button Dusk-To-Dawn Light Controller \(Model 1000 012 076\) Instruction Manual](#)

## Defiant 1000 012 076

# Defiant Mini-Button Dusk-To-Dawn Light Controller

Model: 1000 012 076

## INTRODUCTION

The Defiant Mini-Button Dusk-To-Dawn Light Controller is designed to automate your outdoor lighting system. This photo control unit senses ambient light levels, automatically turning connected lights ON at dusk and OFF at dawn. It is compatible with a wide range of lighting systems, including Incandescent, CFL, LED, Sodium Vapor, and Metal Halide outdoor lighting.

## SAFETY INFORMATION

- Always disconnect power at the fuse box or circuit breaker before installing or servicing this device to prevent electrical shock.
- Installation should be performed by a qualified electrician if you are not familiar with electrical wiring.
- Ensure all wiring connections are secure and properly insulated.
- This device is rated for outdoor use. Ensure all connections are weatherproof.
- Do not exceed the maximum electrical ratings specified for this product.

## PACKAGE CONTENTS

- One (1) Defiant Mini-Button Dusk-To-Dawn Light Controller

**DEFIANT®**

1000 012 076

## PHOTO CONTROLS

Controles fotoeléctricos

### Mini-Button Photo Control

#### Control fotoeléctrico de mini botón

- Turns lights **ON** at dusk and **OFF** at dawn
- Saves over **\$76.65\*** annually on energy costs
- Fits **7/16** in diameter hole
- MAX 500W Tungsten/  
300VA Ballast 120VAC

- Enciende las luces al anochecer y las apaga cuando amanece
- Ahorra más de **\$76.65\*** anualmente en concepto de gastos de energía
- Se ajusta a un orificio de 1.1 cm
- Tungsteno de 500 W MÁX/  
Balastro de 300 VA 120 V CA

USE WITH  
UTILIZAR CON



**UL**

Image: The Defiant Mini-Button Photo Control unit, showing its compact size and pre-attached wiring for installation.

#### SPECIFICATIONS

<b>Model Number</b>	1000 012 076
<b>Electrical Rating</b>	120VAC, 50/60 Hz
<b>Maximum Load (Tungsten)</b>	500W
<b>Maximum Load (Ballast)</b>	300VA
<b>Mounting Hole Diameter</b>	7/16 inch
<b>Compatible Light Types</b>	Incandescent, CFL, LED, Sodium Vapor, Metal Halide
<b>Product Dimensions</b>	3.81 x 1.27 x 3.81 cm; 28.35 g
<b>Usage Environment</b>	Outdoor

## INSTALLATION INSTRUCTIONS

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Follow these steps carefully to install your Defiant Mini-Button Photo Control:

- 1. Disconnect Power:** Before beginning any wiring, ensure the power supply to the circuit is disconnected at the fuse box or circuit breaker.
- 2. Wire Connections:**
  - Connect the **black wire** from the photo control to the **black power line wire** (hot line).
  - Connect the **red wire** from the photo control to the **black wire of the light fixture**.
  - Connect **all white wires** (from the light fixture, the photo control, and the white power line wire) together as the neutral connection.
- 3. Mounting the Control:** The body of the control must be securely located in a 7/16 inch diameter hole within the fixture enclosure. Insert the nipple through the hole and tighten the nut sufficiently to create a weatherproof seal. Ensure the sensor lens is exposed to ambient light and not obstructed.
- 4. Restore Power:** Once all connections are secure and the control is mounted, turn on the power supply at the fuse box or circuit breaker. The control may have an initial delay of up to 2 minutes before activating.

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## PHOTO CONTROLS

Controles fotoeléctricos

### Mini-Button Photo Control

#### Control fotoeléctrico de mini botón

#### RATINGS

MAX 15Amp, 500W Tungsten  
300VA Ballast  
120VAC 50/60 Hz  
Fluorescent/Incandescent/Halogen/  
LED/Sodium Vapor/Metal Halide Bulbs

#### CLASIFICACIÓN

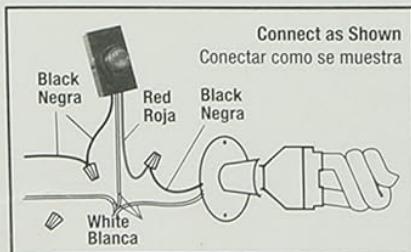
Tungsteno de 500 W 15 A MÁX  
Balastro de 300 VA  
120 V CA 50/60 Hz  
Bombillas fluorescentes/incandescentes/  
LED/vapor de sodio/haluro metálico

#### Installation Instructions:

1. Disconnect power supply at fuse box or circuit breaker
2. Connect black power line wire (hot line) to the black wire of the control.  
Connect all white wires from the fixture and white wire of the control to white power line wire (neutral)
3. The body of the control must be located in a 7/16 in diameter hole and weatherproof.  
Insert the nipple through the hole in the fixture enclosure, and screw the nut on tight enough  
to make a weatherproof seal
4. Turn on power supply. Control has up to 2 minute delay

#### Instrucciones de Instalación:

1. Desconecta la fuente de energía en la caja de fusibles o en el cortacircuitos.
2. Conecta el cable negro de suministro eléctrico (positivo) al cable negro del control.  
Conecta todos los cables blancos de la lámpara y los cables blancos del control al cable blanco de suministro eléctrico (neutro).
3. El cuerpo del control debe estar colocado en un orificio de 1.1 cm y resistente a la intemperie.  
Inserta la boquilla en el orificio de la caja de la lámpara y enrósca la tuerca lo suficiente para lograr  
un sello resistente a la intemperie
4. Enciende el suministro de electricidad. El control tiene una demora de hasta 2 minutos



\*Estimated Savings based on \$0.10/kwh and reducing operating time of the light fixture to 12-hours per day using 175W bulb for 365 days.

\* El ahorro estimado se basa en una tarifa de \$0.10/kwh y en la reducción del funcionamiento de la lámpara a 12 horas por día usando una bombilla de 175 W durante 365 días.

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Image: This diagram illustrates the correct wiring connections for the Defiant Mini-Button Photo Control. The black wire from the control connects to the incoming black (hot) power line. The red wire from the control connects to the black wire of the light fixture. All white wires (from the control, fixture, and incoming power line) are connected together as the neutral connection.

#### OPERATING INSTRUCTIONS

The Defiant Mini-Button Photo Control operates automatically once installed and powered. It requires no manual intervention for daily operation.

- **Automatic Activation:** The photo control will automatically turn your connected lights ON when ambient light levels drop to a certain threshold (dusk).
- **Automatic Deactivation:** The photo control will automatically turn your connected lights OFF when ambient light levels rise above a certain threshold (dawn).
- **Initial Delay:** Upon initial power-up or after a power interruption, the control may have a delay of up to 2 minutes before it begins normal operation. This is a normal function to prevent false triggering.

## MAINTENANCE

To ensure optimal performance and longevity of your photo control, follow these simple maintenance guidelines:

- **Keep Sensor Clean:** Periodically inspect the photo sensor lens and gently clean it with a soft, damp cloth to remove any accumulated dirt, dust, or debris. A dirty sensor can impair its ability to detect light accurately.
- **Avoid Obstructions:** Ensure that no objects, such as leaves, branches, or new installations, are blocking the sensor's view of ambient light.
- **Do Not Paint:** Never paint over the photo sensor lens, as this will prevent it from functioning correctly.

## TROUBLESHOOTING

If you experience issues with your Defiant Mini-Button Photo Control, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Lights stay ON during the day.	Sensor is obstructed or covered. Sensor is exposed to artificial light at night. Faulty sensor.	Clear any obstructions from the sensor lens. Relocate the sensor or shield it from artificial light sources (e.g., streetlights, other fixtures). If problem persists, replace the unit.
Lights do not turn ON at night.	No power to the unit. Incorrect wiring. Sensor is exposed to too much ambient light. Faulty bulb or fixture. Faulty sensor.	Check circuit breaker/fuse. Ensure power is restored. Verify wiring connections according to the installation instructions. Ensure sensor is not receiving light from other sources. Test the light bulb and fixture with a known working power source. If problem persists, replace the unit.
Lights flicker or cycle ON/OFF rapidly.	Unstable power supply. Sensor interference. Faulty bulb.	Consult an electrician to check power supply. Ensure sensor is not near reflective surfaces or intermittent light sources. Replace the light bulb.

## WARRANTY AND SUPPORT

This Defiant product is manufactured with quality and durability in mind. While specific warranty terms are not detailed here, Defiant products typically come with a limited warranty against defects in materials and workmanship.

For assistance, technical support, or warranty inquiries, please contact Home Depot customer service:

- **Phone:** 1-866-308-3976
- **Website:** [HOMEDEPOT.COM](http://HOMEDEPOT.COM)

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