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› [Intermatic](#) /

› [Intermatic NE1C Screw-In Photo Control User Manual](#)

Intermatic NE1C

Intermatic NE1C Screw-In Photo Control Instruction Manual

Automatic Dusk-to-Dawn Lighting Control

PRODUCT OVERVIEW

The Intermatic NE1C Screw-In Photo Control is designed to automate the operation of incandescent lighting fixtures. It detects ambient light levels to automatically turn lights ON at dusk and OFF at dawn, providing convenience and energy savings.

Important: This device is designed exclusively for use with incandescent light bulbs. It is not compatible with CFL (Compact Fluorescent Lamp) or LED (Light Emitting Diode) light bulbs.

SAFETY INFORMATION

- Ensure power is OFF at the circuit breaker before installation or servicing.
- Do not exceed the maximum load rating of 150 Watts.
- For use with 120VAC, 60 Hz incandescent lighting only.
- Do not use with dimmers or other control devices unless specifically rated for such use.
- Keep the photocell sensor clear of obstructions and artificial light sources to ensure proper operation.

PACKAGE CONTENTS

- 1 x Intermatic NE1C Screw-In Photo Control

SETUP AND INSTALLATION

1. **Turn Off Power:** Before beginning installation, ensure the power to the light fixture is turned OFF at the circuit breaker or fuse box.
2. **Remove Existing Bulb:** Carefully remove the existing incandescent light bulb from the fixture.

3. **Install Photo Control:** Screw the Intermatic NE1C Photo Control into the standard incandescent light socket until it is snug. Do not overtighten.
4. **Install Light Bulb:** Screw an incandescent light bulb (maximum 150 Watts) into the socket of the photo control.
5. **Positioning:** Ensure the photocell sensor (the small clear lens on the side of the control) is facing an area that receives natural daylight and is not obstructed by the fixture itself or any other objects. It should also be positioned away from any artificial light sources (e.g., other lamps, streetlights) that could interfere with its operation.
6. **Restore Power:** Turn the power back ON at the circuit breaker.



Image: The Intermatic NE1C Screw-In Photo Control, showing its screw-in base and integrated photocell sensor. This device is designed to be inserted into a standard light socket, with an incandescent bulb then screwed into the control itself.

OPERATING INSTRUCTIONS

Once installed and powered, the Intermatic NE1C Photo Control operates automatically:

- **Dusk Activation:** When ambient light levels fall between 1 to 5 Foot-Candles (FC), the photo control will activate, turning the connected incandescent light bulb ON.
- **Dawn Deactivation:** When ambient light levels rise between 3 to 15 Foot-Candles (FC), the photo control will deactivate, turning the connected incandescent light bulb OFF.

There are no user-adjustable settings for light sensitivity on this model. Proper positioning of the photocell sensor is crucial for optimal performance.

MAINTENANCE

- **Cleaning:** Periodically inspect the photocell sensor for dirt, dust, or debris. Gently wipe the sensor with a soft, dry cloth to ensure accurate light detection.
- **Obstructions:** Ensure that no new obstructions (e.g., growing foliage, decorations) are blocking the photocell sensor.
- **Bulb Replacement:** When replacing the incandescent light bulb, ensure power is OFF at the circuit breaker before handling. Replace with an incandescent bulb of 150 Watts or less.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Light stays ON during the day.	Photocell sensor is obstructed or dirty. Photocell sensor is exposed to artificial light at night (e.g., from another fixture, streetlight). Faulty incandescent bulb.	Clean the sensor and ensure no obstructions. Reposition the fixture or photo control so the sensor is not affected by artificial light. Replace the incandescent bulb.
Light does not turn ON at dusk.	Power is not supplied to the fixture. Incandescent bulb is burnt out or loose. Photocell sensor is receiving too much light. Incorrect bulb type (CFL or LED used).	Check circuit breaker and wall switch. Tighten or replace the incandescent bulb. Ensure sensor is not facing a bright area or receiving reflected light. Replace with an incandescent bulb.
Light flickers or dims.	Incompatible bulb type (CFL or LED). Loose connections.	Ensure only incandescent bulbs are used. Turn off power, then re-screw the photo control and bulb firmly.

SPECIFICATIONS

Parameter	Value
Model Number	NE1C
Voltage Rating	120VAC, 60 Hz

Parameter	Value
Maximum Load	150 Watts (Incandescent ONLY)
Operating Temperature	-40°F to 158°F (-40°C to 70°C)
Turn ON Light Level	1 to 5 Foot-Candles (FC)
Turn OFF Light Level	3 to 15 Foot-Candles (FC)
Certifications	UL Listed, CSA Certified
Dimensions	Approximately 7 x 3 x 1.5 inches
Weight	1.6 ounces

WARRANTY INFORMATION

This Intermatic NE1C Photo Control is covered by a **1-year limited warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage resulting from misuse, abuse, improper installation, or unauthorized modifications.

For warranty claims or further details, please refer to the official Intermatic warranty policy or contact customer support.

CUSTOMER SUPPORT






For technical assistance, troubleshooting, or warranty inquiries, please contact Intermatic Customer Support:

- **Website:** www.intermatic.com
- **Phone:** Refer to the Intermatic website for current contact numbers.

When contacting support, please have your product model number (NE1C) and date of purchase available.

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Related Documents - NE1C

 <p>DIGITAL OUTDOOR LIGHT SENSOR</p> <p>Ideal for Security Lighting, Landscape Lighting, and Holiday Lighting</p> <p>Features:</p> <ul style="list-style-type: none">• Automatic timing• Manual timing• Holiday mode• Security mode• 12V AC• 1/2" x 1/2" x 1/2"• 1/2" x 1/2" x 1/2" <p>WARNING: Read and understand all instructions before using this product. Failure to follow instructions may result in property damage, personal injury, or death.</p> <p>CAUTION: Do not touch the sensor when it is hot. The sensor can become very hot when it is in use.</p> <p>INSTALLATION: Mount the sensor in a dry, protected location. Do not expose the sensor to rain or other weather conditions.</p> <p>OPERATION: The sensor will automatically turn the lights on and off based on the ambient light level. The sensor can also be manually timed.</p> <p>TRoubleshooting: If the sensor does not work, check the wiring and the battery. If the sensor still does not work, contact the manufacturer for assistance.</p>	<p>Intermatic HB61 Digital Outdoor Light Sensor: Operation and Features</p> <p>Detailed guide for the Intermatic HB61 Digital Outdoor Light Sensor. Learn about its operation, automatic and manual timing modes, and safety precautions for security, holiday, and landscape lighting.</p>
 <p>INTERMATIC PHOTOELECTRIC CONTROL</p> <p>MODELS K4251, K4253</p> <p>WARNING: Read and understand all instructions before using this product. Failure to follow instructions may result in property damage, personal injury, or death.</p> <p>CAUTION: Do not touch the sensor when it is hot. The sensor can become very hot when it is in use.</p> <p>INSTALLATION: Mount the sensor in a dry, protected location. Do not expose the sensor to rain or other weather conditions.</p> <p>OPERATION: The sensor will automatically turn the lights on and off based on the ambient light level. The sensor can also be manually timed.</p> <p>TRoubleshooting: If the sensor does not work, check the wiring and the battery. If the sensor still does not work, contact the manufacturer for assistance.</p>	<p>Intermatic K4251/K4253 Photoelectric Control Installation and Operation Guide</p> <p>Comprehensive guide for Intermatic K4251 and K4253 photoelectric controls, covering installation, applications, troubleshooting, and warranty information. Ensure safe and efficient operation of your outdoor lighting.</p>
 <p>INTERMATIC IN-WALL TIMER</p> <p>MODELS ST01, ST01K, E1600</p> <p>WARNING: Read and understand all instructions before using this product. Failure to follow instructions may result in property damage, personal injury, or death.</p> <p>CAUTION: Do not touch the sensor when it is hot. The sensor can become very hot when it is in use.</p> <p>INSTALLATION: Mount the sensor in a dry, protected location. Do not expose the sensor to rain or other weather conditions.</p> <p>OPERATION: The sensor will automatically turn the lights on and off based on the ambient light level. The sensor can also be manually timed.</p> <p>TRoubleshooting: If the sensor does not work, check the wiring and the battery. If the sensor still does not work, contact the manufacturer for assistance.</p>	<p>Intermatic ST01/ST01K/E1600 In-Wall Timer with Astro Feature: Installation and User Guide</p> <p>Comprehensive guide for installing and operating the Intermatic ST01, ST01K, and E1600 In-Wall Timers. Features include 24/7 programming, astro functions, and compatibility with various lighting types.</p>
 <p>INTERMATIC ELECTRONIC AUTOMATIC SHUT-OFF TIMER</p> <p>MODELS EI40C, E140AC</p> <p>WARNING: Read and understand all instructions before using this product. Failure to follow instructions may result in property damage, personal injury, or death.</p> <p>CAUTION: Do not touch the sensor when it is hot. The sensor can become very hot when it is in use.</p> <p>INSTALLATION: Mount the sensor in a dry, protected location. Do not expose the sensor to rain or other weather conditions.</p> <p>OPERATION: The sensor will automatically turn the lights on and off based on the ambient light level. The sensor can also be manually timed.</p> <p>TRoubleshooting: If the sensor does not work, check the wiring and the battery. If the sensor still does not work, contact the manufacturer for assistance.</p>	<p>Intermatic EI40C/E140AC Electronic Automatic Shut-Off Timer</p> <p>Learn about the Intermatic EI40C/E140AC Electronic Automatic Shut-Off Timer. This guide covers installation, features like programmable timing and warning signals, and troubleshooting for efficient load control in residential and commercial applications.</p>
 <p>INTERMATIC LIGHTING TIMER SWITCH</p> <p>MODELS EJ341C, EJ343C</p> <p>WARNING: Read and understand all instructions before using this product. Failure to follow instructions may result in property damage, personal injury, or death.</p> <p>CAUTION: Do not touch the sensor when it is hot. The sensor can become very hot when it is in use.</p> <p>INSTALLATION: Mount the sensor in a dry, protected location. Do not expose the sensor to rain or other weather conditions.</p> <p>OPERATION: The sensor will automatically turn the lights on and off based on the ambient light level. The sensor can also be manually timed.</p> <p>TRoubleshooting: If the sensor does not work, check the wiring and the battery. If the sensor still does not work, contact the manufacturer for assistance.</p>	<p>Intermatic EJ341C/EJ343C Lighting Timer Switch Installation and Programming Guide</p> <p>Detailed instructions for installing and programming Intermatic EJ341C (Single Pole) and EJ343C (Three Way) lighting timer switches. Covers setup, controls, programming methods, troubleshooting, and specifications.</p>



[Intermatic K4000 and LC4500 Series Photo Controls Installation Guide](#)

Detailed installation instructions, troubleshooting guide, specifications, and warranty information for Intermatic K4000 and LC4500 series photo controls. Learn how to properly install and use your light-sensing photocells for outdoor lighting.