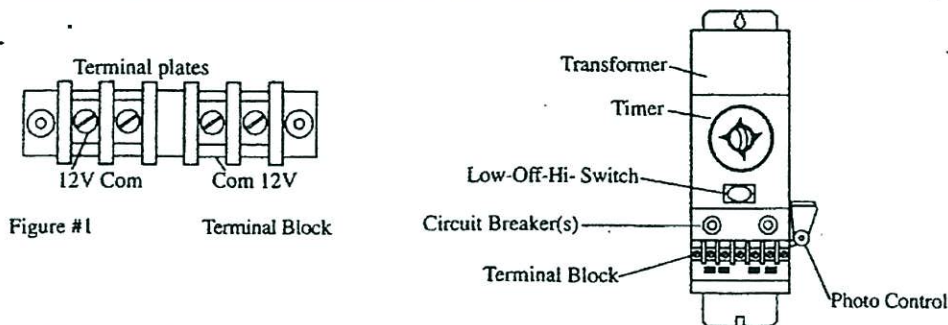


INSTALLATION INSTRUCTIONS – IMPORTANT – SAVE THESE INSTRUCTIONS



ELECTRICAL PROTECTION

This unit contains dual circuit protection. The primary or 120 volt side of the transformers is thermally protected and will automatically shut off when overheated. If the secondary of 12 volt side is overloaded the circuit breaker on the front of the transformer will trip. If the total lamp wattage on the circuit exceed the rated wattage of the transformer, reduce the wattage by lowering the lamp wattage or reduce the number of fixtures on the circuit. If the unit continues to cycle on and off, have the unit inspected by a qualified electrician. To reset the circuit breaker, just depress the circuit breaker reset button or reset switch to "on".

OPERATING INSTRUCTIONS

MANUAL CONTROL WITH THREE POSITION SWITCH (LOW / OFF / HIGH)

- "Low" position - less than 50% transformer capacity, for cable runs less than 50 feet or high starting voltage on the primary side of the house. NOTE: These applications can be set on "High" for more light output.
- "Off" position - turns off transformer except for timer. Timer will still function but will not activate during "on" periods.
- "High" position for fully loaded transformer (maximum wattage capacity), for long cable runs or low starting voltage on primary side from the house.

AUTOMATIC TIMER CONTROL

- Turn dial until time arrow is pointing to current time of day.
- Push in all trippers on timer dial between desired "ON" time and desired "OFF" time.
- To override the timer to control unit manually, push in all trippers.
- Photocontrol eye must be covered by cap to deactivate it.

AUTOMATIC TIMER CONTROL AND PHOTOCONTROL (OPTIONAL)

- Turn dial until time arrow is pointing to current time of day.
- For photocontrol "ON" at dusk and "OFF" at desired time: push out all trippers on timer dial in a counter clockwise direction between 12:00 p.m. (Noon) and desired "OFF" time.
- For photocontrol "ON" at dusk and "OFF" at dawn: push in all trippers on timer dial.
- Remove cover from photocontrol to activate it.

SUITABLE FOR OUTDOOR USE ONLY

INSTALL AND MAINTAIN TO MEET APPLICABLE CODES

This power supply is for use with landscape lighting systems only. Do not connect two or more power supplies in parallel.

Transformer should be mounted close to power supply. Extension cords should not be used with this unit.

This outdoor power unit shall be connected to a grounded 115/120 volt covered GFCI receptacle marked "Wet Location" while in use.

Mount the rain-tight transformer at least one foot above ground level with the wire terminals facing down (mounting hardware not included). NOTE: Do not energize transformer until installation of system is complete.

Landscape wiring is intended for shallow burial, less than 6 inches (152mm) below the surface. NOTE: If more wire is needed, contact your local landscape lighting distributor. Do not use within 10 feet of a pool or spa.

Finding Transformer Load Low voltage systems require the use of a transformer to reduce standard 120-VOLT power from your home to 12-VOLTS. To determine the transformer size you will need, add up the wattages of all lamps you plan to use. Select a transformer that matches as closely as possible the total lamp wattage. For example, if you have 11 fixtures all rated at 24.4 watts, you will need a 300 watt (VA) transformer (11 x 24.4 = 268.4 watts). Generally, the total lamp load should not be less than one-third the transformer's wattage rating, not exceed its maximum wattage capacity. If your total wattage is too high, either divide the load between two transformers, or use a more powerful transformer.

1) Split cable approximately 3", and strip 1/2" insulation off each wire. Cable is the heavy black wire to which all 12-volt low voltage lighting fixtures will be connected.

2) Insert one of the stripped wire ends under the terminal marked 12V on the terminal block. Place the other stripped end under the terminal place marked COM. Tighten screws securely - NOTE: 600 watt transformers have 2-300 watt circuits. This means that there are 2-12V terminals and 2-COM terminals. Each circuit cannot exceed 300 watts.

FOR INSTALLATION IN CANADA

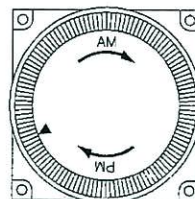
This device is accepted as a component of a landscape lighting system where the suitability of the combination shall be determined by CSA or local authorities having jurisdiction. To comply with CSA requirements, this fixture should be installed by a qualified electrician. Au Canada. Pour entre en accord avec IES, 1015 CSA. Ce luminaire doit être installé par un electricien qualifié.

TIMER WITH PHOTOCELL OPERATION INSTRUCTIONS

OPERATING INSTRUCTIONS FOR: HARDWIRED TIMER WITH PLUGGABLE PHOTOCELL

TIMER ON/OFF ONLY:

To control the lights set the timer to turn On before dark at your desired On time. The lights can be turned Off by the timer at a pre set time by setting your desired Off time.

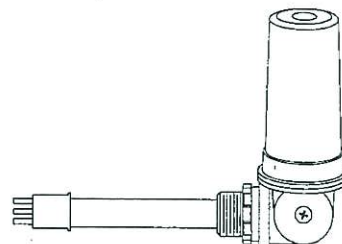


PHOTOCELL ON/OFF ONLY:

Remove the black nylon cap from photocell. To control the lights set the timer by pushing all the timer tabs out to the On position. The photocell will activate the lights when it gets dark and turn Off the lights at dawn.

PHOTOCELL AND TIMER ON/OFF:

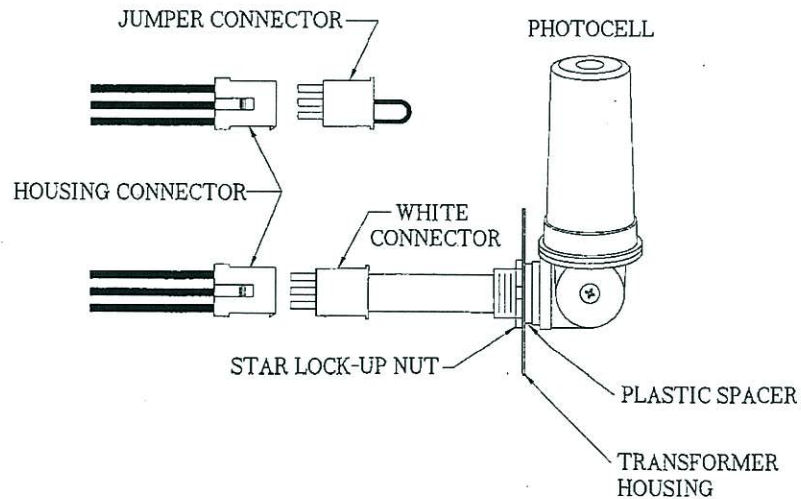
Remove the black nylon cap from photocell. To control the lights set the timer to turn On before dark between 12:00 – 4:00 PM. The photocell will activate the lights when it gets dark. The lights can be turned Off by the timer at a pre set time by setting your desired Off time.



PHOTOCELL FEATURES INSTALLATION INSTRUCTIONS

INSTALLING THE PHOTOCELL:

1. Make sure the power is off and the transformer is NOT plugged into an electrical outlet. NOTE: No splice or wiring is required if transformer is equipped with jumper connector.
 2. Open front cover of the transformer case by lifting the cover up.
 3. Remove the 7/8" diameter knockouts on the side of the enclosure and push the photocell white connector through the knockout hole. Inside the housing, slide the spacer and star nut over the white connector and thread it onto the photocell.
 4. Locate on the inside panel the jumper connector and disconnect jumper from the panel housing connector..
 5. Plug the photocell white connector into the panel housing connector. Ensure that the connectors plug together correctly.
 6. Replace outer cover and plug transformer into the electrical outlet.
 7. Turn on power. Position photocell so that no artificial light will cause the photocell to cycle on and off.
- * In the unlikely event that the photocell should fail, the lighting fixtures will remain on, even in the daytime. If this should happen, follow these instructions and remove the defective photocell and replace the jumper connector in its place. Contact your local distributor to order a replacement photocell.*



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