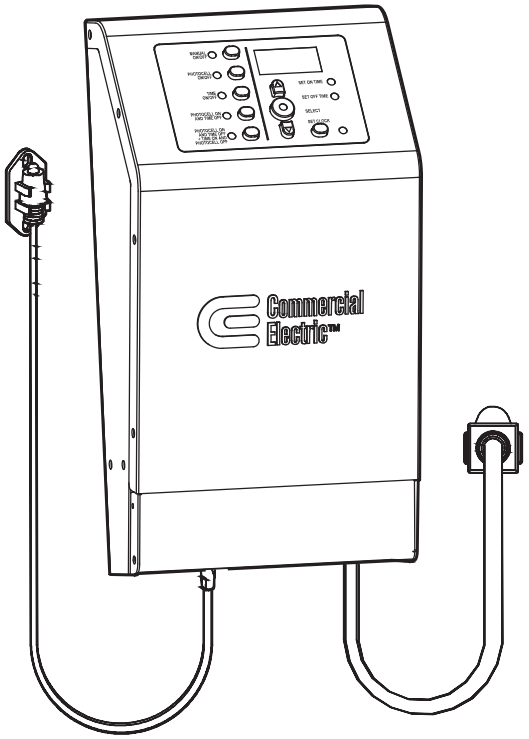
Commercial Electric™

Item #1004 676 252
Model #SL-200-1215-LCD

USE AND CARE GUIDE

LOW VOLTAGE TRANSFORMER



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1-877-527-0313

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THANK YOU

We appreciate the trust and confidence you have placed in Commercial Electric through the purchase of this transformer. We strive to continually create quality products designed to enhance your home. Visit us online to see our full line of products available for your home improvement needs. Thank you for choosing Commercial Electric!

Table of Contents

Table of Contents..... 1
Safety Information..... 1
Warranty..... 2
Pre-installation..... 2
Tools Required....2
Hardware Included.... 2
Package Contents....3
Installation....4
Operation....7
Display Auto Shutdown....9
Troubleshooting.... 9
Cable Selection Chart....9

Safety Information

- □ Do not install within 10 feet (3 m) of a pool, spa, or fountain.
- □ This transformer is suitable for mounting within 12 in. to 48 in. (0.3 m to 1.2 m) of the ground.
- □ For use with a low voltage outdoor landscape lighting system.
- □ There are no serviceable parts inside the power supply unit. DO NOT DISASSEMBLE.
- □ Do not submerge transformer.
- □ Do not connect two or more transformers in parallel.
- □ Do not use with a dimmer.
- □ Plug the power supply unit directly into a GFCI wet location outlet.
- □ Do not use an extension cord.
- □ The maximum output of this transformer is equal to or less than 200 watts. Do not overload the transformer. Be sure that the total cumulative wattage of all 12-volt fixtures connected to the transformer is equal to or less than 200 watts. Total bulb wattage must not exceed a maximum of 200 watts.
- □ For best performance, and to limit operation of the automatic thermal protector, do not install where air flow around the unit is overly restricted.
- □ For supply connections, use wire rated for at least 60°C.
- □ Keep enclosure cover closed.
- □ Suitable for Use with Submersible Luminaires or Submersible Pumps or equivalent.

WARNING: Risk of Electric Shock. Install power unit 5 feet (1.5 m) or more from a pool, spa, or fountain. Where the power unit is installed (a) indoors within 10 feet (3.0 m) of a pool, spa, or fountain or (b) outdoors, connect power unit to a receptacle protected by a GFCI.

WARNING: For outdoor installations use UL Listed Underground low energy circuit cable or SPT-3 or SPT-2W. Failure to use at least 16-gauge minimum cable or install it as directed in these instructions may result in Risk of Fire or Electric Shock. Using large cable will ensure maximum light output.

WARNING: Make sure there is no wire insulation under the clamping plate.

WARNING: Do not coil the cable around the transformer.

WARNING: Before setting, the photocell should be mounted on the photocell joint and screwed tightly.

WARNING: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

IMPORTANT: This landscape light system must be installed in accordance with all local codes and ordinances. If you are experiencing problems, contact a qualified electrician.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. FCC responsible party name: Eaglerise E&E Inc. Address: 320 Constance Dr., Unit 1 Warminster, PA 18974. Telephone number: 267-387-6022. 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.

Warranty

WHAT IS COVERED

The manufacturer warrants this transformer to be free from defects in materials and workmanship for a period of two (2) years from date of purchase. This warranty applies only to the original consumer and only to products used in normal use and service. If this product is found to be defective, the manufacturer's only obligation, and your exclusive remedy, is the repair or replacement of the product at the manufacturer's discretion, provided that the product has not been damaged through misuse, abuse, accident, modifications, alterations, neglect, or mishandling.

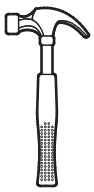
WHAT IS NOT COVERED

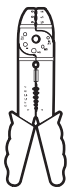
This warranty shall not apply to any product that is found to have been improperly installed, set-up, or used in any way not in accordance with the instructions supplied with the product. This warranty shall not apply to a failure of the product as a result of an accident, misuse, abuse, negligence, alteration, or faulty installation, or any other failure not relating to faulty material or workmanship. This warranty shall not apply to the finish on any portion of the product, such as surface and/or weathering, as this is considered normal wear and tear.

Contact the Customer Service Team at 1-877-527-0313 or visit www.HomeDepot.com.

Pre-installation

TOOLS REQUIRED


Hammer

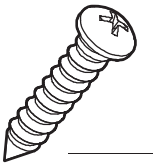

Wire stripper

Wire cutter

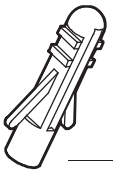
Phillips screwdriver

HARDWARE INCLUDED

NOTE: Hardware not shown to actual size.


AA

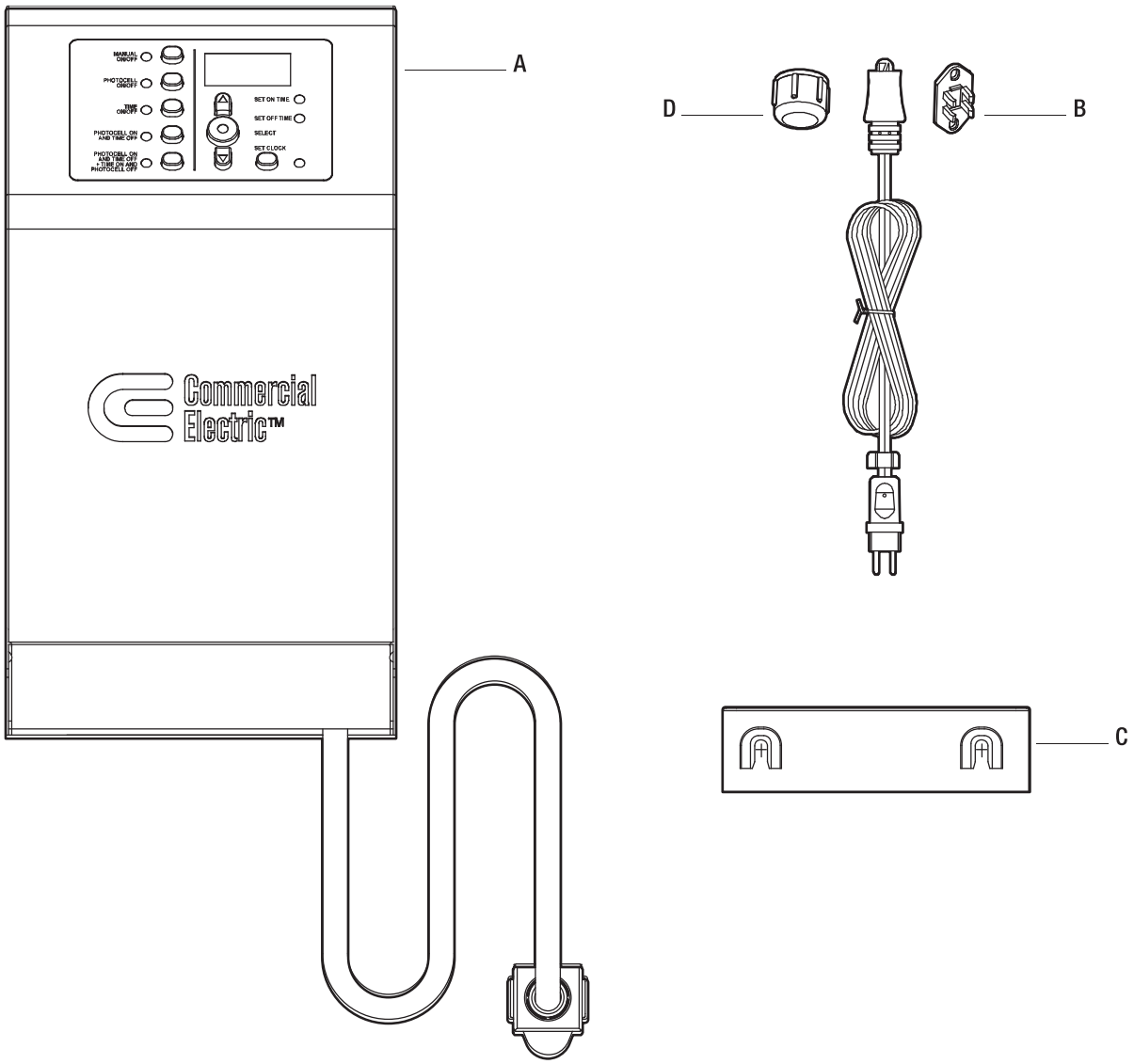
BB


CC

Part	Description	Quantity
AA	4.8X30 Screw	3
BB	3.5X15 Screw	2
CC	Wall Anchor	3

Pre-installation (continued)

PACKAGE CONTENTS

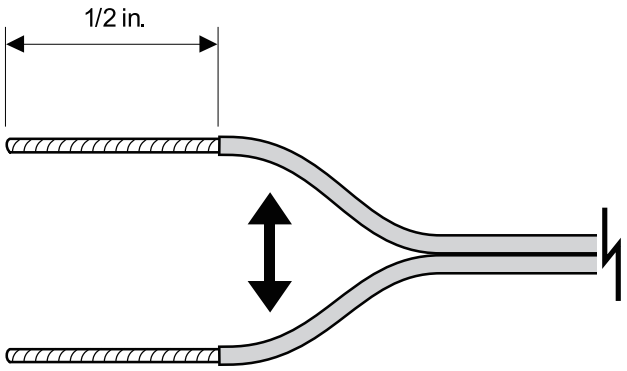


Part	Description	Quantity
A	Transformer	1
B	Photocell	1
C	Mounting Template	1
D	Dust Cap	1

Installation

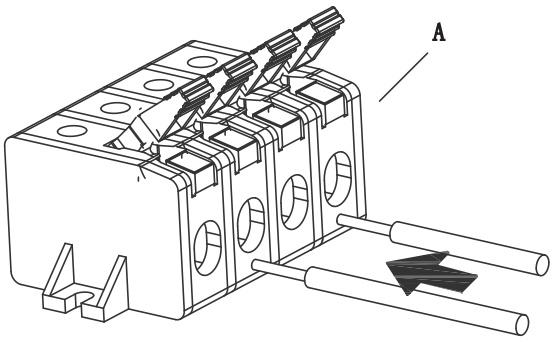
1 Preparing the cable

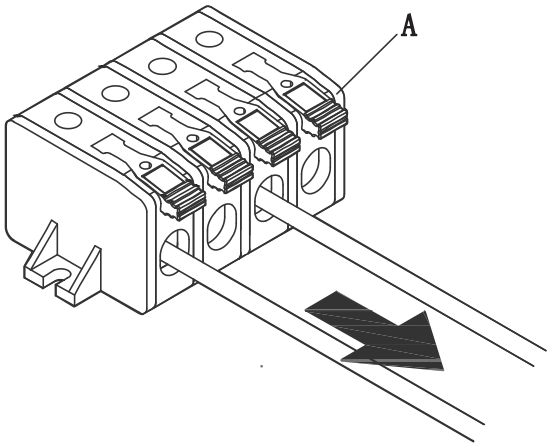
- ☐ Use caution when splitting to avoid exposing copper wire.
- ☐ Remove 1/2 in. of insulation from both wires and twist the ends. Refer to the strip-length guide on the transformer (A).



2 Connecting the cable to the transformer

- ☐ Lay the transformer (A) on a flat, stable surface and insert the stripped end of one wire under the terminal clamping plate marked “COM”. Press down the terminal handle to tighten the wire. Repeat this procedure for the clamping plate marked “12V” or “15V”, depending on the cable being used. See the Cable Selection Chart section for correct voltage tap.
- ☐ Verify that there are no loose cable strands and gently pull on the landscape wire to verify that the connection is secure.

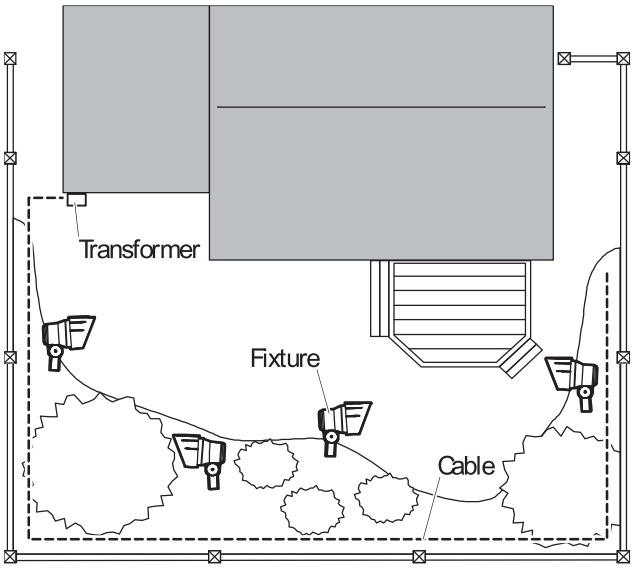




Installation (continued)

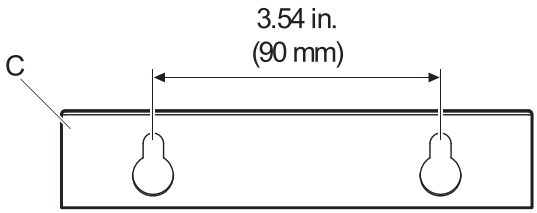
3 Placing the fixtures and routing the cable

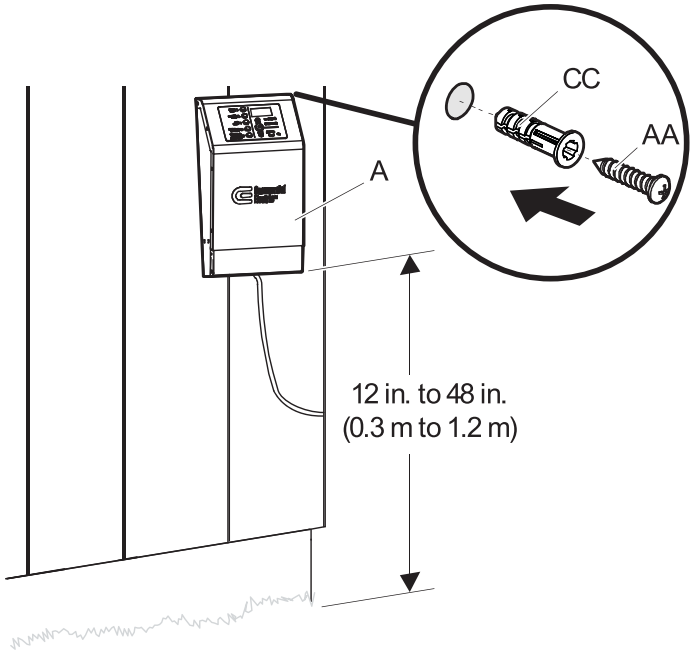
- ☐ Lay the fixtures (not included) in their desired locations. Be sure they do not exceed the 200-watt rating of the transformer.
- ☐ Route the low voltage cable to the fixtures. If there is extra cable, coil the cable after the last fixture.



4 Mounting the transformer

- ☐ Mount the transformer (A) directly to a wall surface within 12 in. to 48 in. (0.3 m to 1.2 m) of the ground using the included screws (AA). See the mounting template (C) for the correct spacing of the screws (AA).
- ☐ Drill two holes on the wall using the mounting template (C), insert two wall anchors (CC) into the wall, and insert the screws (AA) into the wall anchors (CC).
- ☐ Hang the transformer (A) onto the screws (AA).

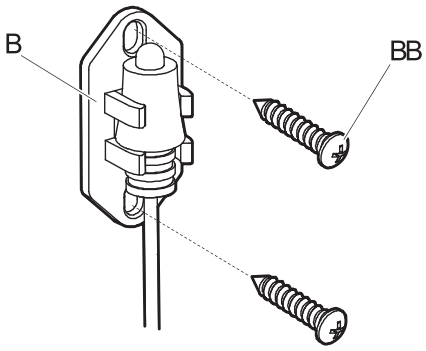


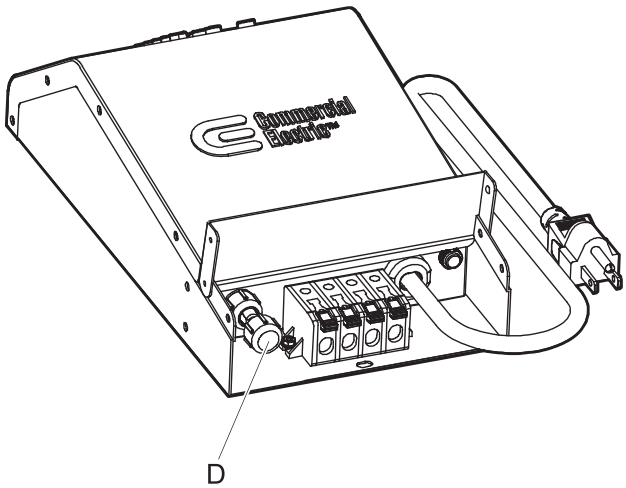


Installation (continued)

5 Mounting the photocell

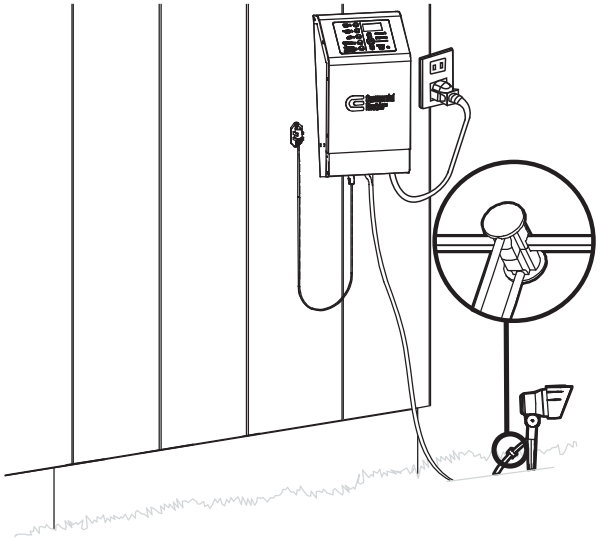
- □ Mount the photocell (B) bracket on a wall or other solid surface with the screws (BB) provided. Snap the sensor into the bracket. Route or coil the excess wire to protect it from lawn mowers, trimmers, etc. Avoid pointing the sensor at nighttime light sources such as windows, porch lights, and street lights.
- □ Placing the sensor in areas receiving less sunlight at dusk will have the lights to turn on earlier in the evening. Mounting the photocell in brighter locations will have the lights to turn on when it has become darker out. Adjust the location, position, and orientation of the photocell until the transformer turns on at the desired light level.
- □ If the photocell is cut or broken, replace it. Insert the replacement part into the socket and screw the cap back onto the socket to provide a water tight connection. The bi-pin connector is polarized and can be inserted into the socket only one way.
- □ Cover the connection hole with the dust cap (D) when no photocell control wire is connected.





6 Attaching the fixtures

- □ Attach the fixtures to the cable using the cable connectors (not included) as shown. Press the connector tight onto the cable until the prongs pierce the cable insulation.



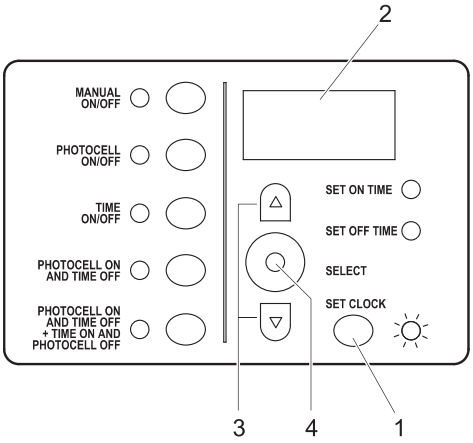
7 Protecting or hiding the cable

- □ Once all fixtures are in place, the cable may be covered with mulch or buried up to 6 in. (15 cm) deep. Leave about 12 in. (30 cm) of cable after the last fixture.

Operation (continued)

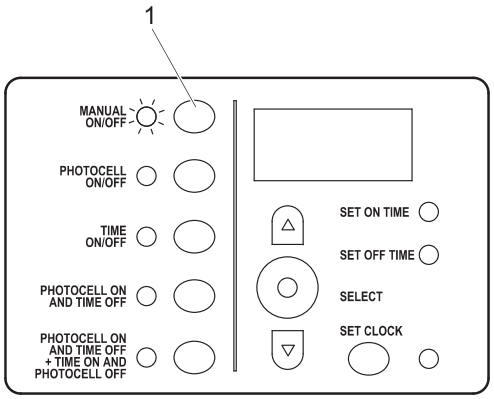
1 Setting the clock

- □ Press the SET CLOCK (1) button. The LED indicator will turn on and the LCD display (2) will start flashing.
- □ Use the UP and DOWN buttons (3) to set the desired time and then press SELECT (4).



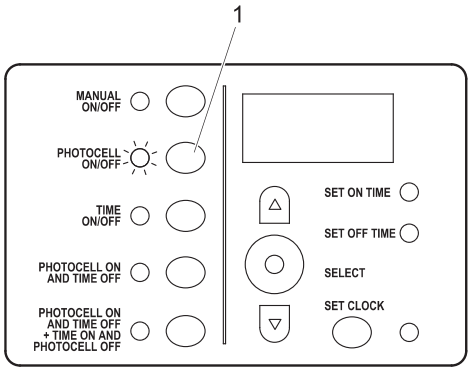
2 Operating in manual mode

- □ Press the MANUAL ON/OFF button (1) to turn the lights on or off.



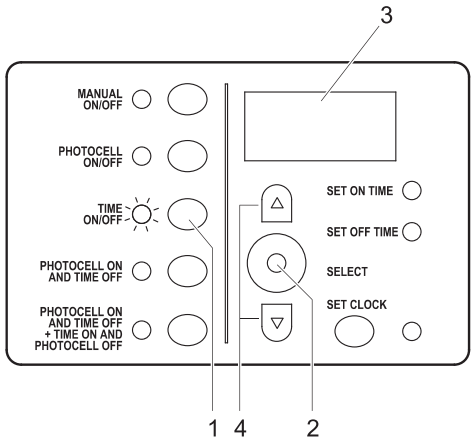
3 Operating in auto mode

- □ Press the PHOTOCELL ON/OFF button (1). The indicator LED will turn on. The lights will turn on at dusk and off at dawn.



4 Setting the TIME ON/OFF mode

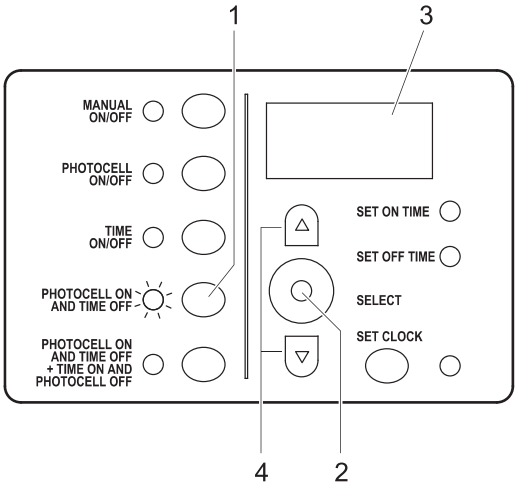
- □ Press the TIME ON/OFF button (1) to enter this mode. The indicator will turn on.
- □ Press the SELECT button (2). The SET ON TIME indicator will turn on and “SET UP” will appear on the LCD display (3).
- □ Press the UP and DOWN buttons (4) to set the required time. Press the SELECT button (2) to confirm.
- □ The SET OFF TIME indicator will turn on and “SET UP” will appear on the LCD display (3). Repeat the procedure to set the OFF time.
- □ Once the TIME ON/OFF mode is set up, the lights will turn on/off the according to the set time.



Operation (continued)

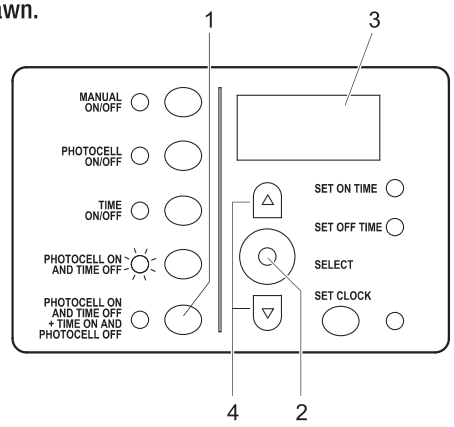
5 Setting PHOTOCEL ON/TIME OFF mode

- □ Press PHOTOCELL ON AND TIME OFF (1) to enter this mode. The LED indicator will turn on.
- □ Press the SELECT button (2). The indicator of SET OFF TIME will turn on and "SET UP" will appear on the LCD display (3). Press the UP and DOWN buttons (4) to set the required time. Press the SELECT button (2) to confirm.
- □ Once PHOTOCELL ON TIME OFF mode is set, the light will be on automatically at dusk, and turn off automatically after the set time.



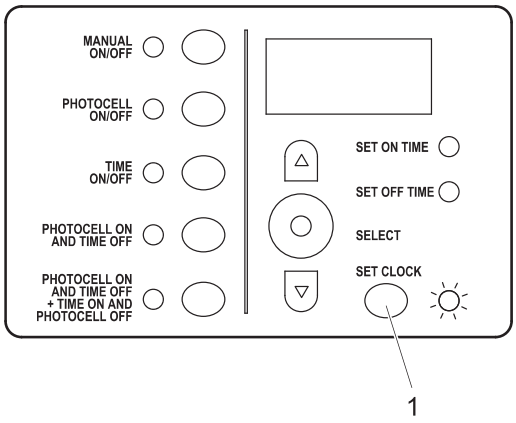
6 Setting the PHOTOCELL & TIME mode

- □ Press the PHOTOCELL ON AND TIME OFF + TIME ON AND PHOTOCELL OFF (1) button to enter this mode. The LED indicator will turn on.
- □ Press the SELECT button (2). The indicator of SET OFF TIME will turn on and "SET UP" will appear on the LCD display (3). Press the UP and DOWN buttons (4) to set the required time. Press the SELECT button (2) to confirm.
- □ The SET ON TIME indicator will turn on and “SET UP” will appear on the LCD display (3). Repeat the procedure to set the ON time.
- □ Once PHOTOCELL ON/TIME OFF + TIME ON /PHOTOCELL OFF mode is set, the light will turn on automatically at dusk and turn off automatically after the set time, and turn on automatically after the set time and turn off automatically at dawn.



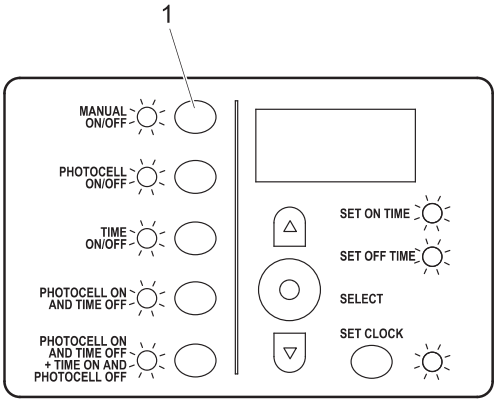
7 Restoring the factory settings

- □ Press and hold the SET CLOCK button (1) for 5 seconds to restore the factory function. The mode will go back to PHOTOCELL AUTO ON/OFF and the transformer is now restored to factory settings.



8 Using the test mode

- □ Press and hold the MANUAL ON/OFF button (1) for 5 seconds to enter into TEST mode. TEST mode is used for PHOTOCELL testing. LCD and indicator will turn off after 5±1 seconds.
- □ Press any button to exit TEST mode.The transformer will go back to PHOTOCELL AUTO ON/OFF mode.



Display Auto Shutdown

In TEST mode, LCD and indicator lights will turn off after approximately 5 seconds. In all other modes, the display will shut down after approximately 300 seconds. Press any button to turn on the display.

Troubleshooting

Problem	Possible Cause
All of the lights fail to work.	□ Verify that the transformer power is on. □ Check for a loose cable connection at the transformer. □ Check if the circuit breaker is OFF.
Only some lights work.	□ Check the connector to make sure the wire barbs have pierced the landscape cable. □ Halogen or incandescent bulbs (if applicable) can be burned out. Use caution as the bulb can be hot.
The lights are on during the day.	□ The photocell is mounted in a dark area which causes the lights to turn on unnecessarily.
The lights do not switch on at dusk.	□ The photocell is mounted in an area that has too much constant light at night, preventing the system from turning on.

Cable Selection Chart

12 VOL TAP

Total Fixture Wattage	Cable Length		
	0 – 50 ft.	51 – 100 ft.	101 – 150 ft.
0 – 60 Watts	16 AWG	16 AWG	14 AWG
61 – 120 Watts	16 AWG	14 AWG	12 AWG
121 – 180 Watts	14 AWG	12 AWG	Not Recommended
181 – 240 Watts	14 AWG	12 AWG	Not Recommended
241 – 300 Watts	12 AWG	Not Recommended	Not Recommended
600 W = (2 X 300) Watts	12 AWG	Not Recommended	Not Recommended

15 VOL TAP

Total Fixture Wattage	Cable Length		
	0 – 50 ft.	51 – 100 ft.	101 – 150 ft.
0 – 60 Watts	16 AWG	16 AWG	16 AWG
61 – 120 Watts	16 AWG	16 AWG	12 AWG
121 – 180 Watts	14 AWG	14 AWG	12 AWG
181 – 240 Watts	14 AWG	14 AWG	Not Recommended
241 – 300 Watts	12 AWG	12 AWG	Not Recommended
600 W = (2 X 300) Watts	12 AWG	12 AWG	Not Recommended

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