

# 300 Watt POWER PACK

## READ INSTRUCTIONS BEFORE USING THIS PRODUCT

### SAVE THESE INSTRUCTIONS

TECHNICAL SPECIFICATIONS: 12 V - 300W

Power pack IS SUITABLE FOR USE with submersible luminaires and pumps.

For dependable performance, use genuine Malibu replacement parts.



8100-0300-01



#### **WARNING: Risk of Fire or Electrical Shock**

- Install **OUTDOORS ONLY**. Use **ONLY** with 12-volt low voltage outdoor landscape lighting products.
- Add up all bulb wattages for a maximum total of 300 watts.
- Mount power pack at least 18 feet (3 m) from pool or spa.
- Mount power pack vertically at least 12 inches (30 cm) above ground. Do not lay on the ground.
- Mount the power pack with the back against a flat vertical wall surface. The back of the power pack must be covered by the wall.
- Plug power pack directly into an outdoor GFCI outlet with a weatherproof cover marked "wet location."
- Do not use extension cords.
- Keep a minimum of 10 feet (3 m) of wire between the power pack and the first fixture.
- Do not coil extra cable around the power pack. Leave extra cable at the end away from the power pack.
- Do not repair or tamper with cord or plug.
- Do not submerge power pack.
- Do not connect two or more power packs in parallel.
- Do not use with a dimmer.
- If house circuit breaker trips when power pack is turned on, unplug power pack from AC outlet, correct fault, and restore power. Plug power pack back into AC outlet.
- Power pack and fixtures must be installed in compliance with national and all local electrical codes and ordinances.
- If necessary to splice cable, carefully follow instructions that come with the connector you have purchased.

#### **LED Fixtures**

- Do not use with fixtures that carry a Class 2 rating.
- Do not modify fixtures.
- Must follow all of manufacturers individual instructions.



#### **WARNING: Risk of Fire**

- Use only CSA or UL approved low-voltage cable.
- Failure to use at least 12 gauge minimum cable or install it as directed in these instructions may result in **Risk of Fire or Electric Shock**.

Order missing, damaged, or defective parts for new purchases only at:

[www.malibulights.com](http://www.malibulights.com)

For customer service or to purchase replacement parts or additional low voltage cable please call Monday - Friday, 8:30 a.m. - 5:00 p.m. (CST) 888-295-7348

**IMPORTANT: Please have product model number available when ordering.**

**YOU MUST KEEP YOUR RECEIPT FOR PROOF OF PURCHASE**

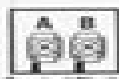
## 1. Prepare Cable

Split one end of cable for about 3 inches (7.6 cm) being careful when splitting **NOT** to expose the copper wire. Then strip 5/8 inch (1.6 cm) of insulation from the end. Also, refer to strip length guide on the power pack.



## 2. Connect Cable to Power Pack

Lay power pack on a flat, stable surface and insert the stripped end of one wire under terminal clamping plate A. Then tighten the screw. Repeat this procedure for clamping plate B.



#### **WARNING: Risk of Fire**

Make sure there is no wire insulation under the clamping plate, and firmly tighten the terminal screws.



## 3. Place Fixtures and Route Cable

Lay the fixtures out where you want to locate them. Be sure they do not exceed the 300 watt rating of the power pack. Route the low voltage cable to fixtures. If there is extra cable, coil after the last fixture.

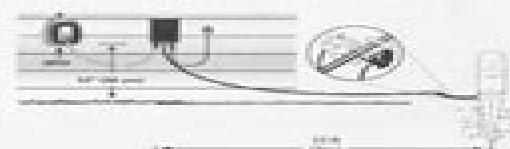


#### **WARNING: Risk of Fire**

Be sure to leave a minimum of 10 feet (3 m) of wire between the power pack and first fixture.

## 4. Attach Fixtures

Turn power pack on. Attach fixtures to cable using cable connectors as shown. Place one connector on each side of the cable, then press together to lock. Prongs will pierce the cable to make contact and fixture should light up.



**NOTE:** When power pack is on, you may hear a hum. This sound is considered normal, and does not affect the performance of the unit.

## 5. Mount Power Pack

To mount directly to a wall surface use included screws as shown, a minimum 12 inches (30 cm) off the ground. When installing the screws, the spacing between the screw centers is 2.8 in. (71.5 mm). See template for correct spacing. Hang Power Pack onto screws.



## 6. Mount Photo Eye

Mount the photo eye bracket on a wall or other solid surface with the screw 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.



The position of the photo eye can influence at what light level the power pack will turn on in the AUTO, 4-6-8-10, and PHOTO ON TIMED OFF modes. Placing the sensor in areas receiving less sunlight at dusk (east side of house, behind trees and bushes, under a deck) will have the power pack come on earlier in the evening. Mounting the photo eye in brighter locations will have the power pack come on when it has become darker out. The location, position and orientation of the photo eye can be adjusted until the power pack turns on at the desired light level.

## 7. Protect or Hide Cable

Once all fixtures are in place and you are satisfied with their locations, 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.



#### **WARNING: Risk of Fire or Electrical Shock**

Do not coil cable around power pack.

Total bulb wattages must not exceed a maximum of 300 watts.

# Malibu Lights Instruction Manual

**S Marginson**



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