

# RADIORAY®, MODEL 2100

## Programmable Wireless Marine Stanchion Light

### The Model 2100 includes:

- RadioRay®, mounted on 12" stainless steel stanchion w/navigational lights 12 v DC
- Programmable, wireless remote w/batteries (2 Duracell MN21 or Energizer 23A)
- Perko 1047-PO0-DP base socket
- Lined-nylon storage bag

### IMPORTANT INFORMATION

The RadioRay®, 2100 is designed to be used with the included Perko base socket or an accommodating base socket.

### INSTALLATION FOR NON-EXISTING

#### PERKO MOUNT.

(SEE Template on Back of Warranty Card)

1. Locate an appropriate horizontal location on deck or superstructure for installation of socket.
  2. Draw a 6-inch long reference line through the center of the selected mounting location and parallel with the centerline of the boat.
  3. Cut out the mounting template. Place it on the mounting surface such that the reference line (step #2) is directly underneath the reference line on the template.
  4. Drill pilot holes through the template to accommodate #8 oval head mounting screws (not included).
  5. Open a 1.25" diameter hole according to template to accommodate socket.
- IMPORTANT:** Identify polarity of the socket. Positive will be a white wire and/or be the wire on the right side when the socket is viewed from above.
- NOTE:** "front" of socket is flat.
6. Attach power supply connections to the socket, making sure to wire in accordance with both A.B.Y.C. Standard E-9 and U.S. Coast Guard Safety Standards for Boat Electrical Systems (33 CFR 183).\*\* The supply to this socket for use with the RadioRay®, must be protected with a 10 amp fuse or circuit breaker (12v DC).
  7. Mount the base and socket in accordance with the template.

\*\*The above referenced standards are available from:  
American Boat and Yacht Council, Inc.  
3069 Solomon's Island Road  
Edgewater, MD 21037

### TROUBLE SHOOTING YOUR MODEL 2100

This spotlight is polarity sensitive, which requires positive and negative terminals to be wired correctly. The spotlight will activate automatically or not at all with incorrect wiring. The red/green navigational light is not polarity sensitive and may work with incorrect wiring.

The white receptacle wire (+) corresponds to the same side as the green navigational light and the black receptacle wire (-) corresponds to the same side as the red navigational light.

Please note that the 3rd hole is not active on the light. Should you have a 3-prong receptacle, the top prong does not need to be wired.

If the power receptacle is wired correctly and the light still will not activate with the remote, the boat wire may not be the recommended gauge. Golight™, Inc. recommends a minimum of 14 gauge wire; 16 gauge may or may not be sufficient depending on total length of wire.

### \*PROGRAMMABLE REMOTE INSTRUCTIONS\*

The RadioRay®, is controlled with a programmable remote with 6561 different channels. This feature allows you the freedom to change the channel selection and the receiver relearns the new selection.

### BEFORE USE

#### \*YOU MUST PROGRAM THE TRANSMITTER\*

1. **IMPORTANT:** Remove RadioRay®, from base socket receptacle.
2. Remove battery cover from back of remote.
3. Set the 7 dipswitches to a selection of your choice. There are 3 positions on each; positive, negative, and neutral. Use a small screwdriver and select a position for each dipswitch.
4. Insert both MN21 Duracell batteries with the +/- in the same direction. Be sure batteries have adequate charge.
5. Replace battery cover
  - a. Depress the on/off button and hold it down. The red LED will light.
  - b. While holding the on/off button down, reinstall the power (replace RadioRay®, into base socket).
  - c. Keep your finger on the on/off button. In a few seconds the light bulb will flash. This will tell you the process is finished

### TO TURN ON:

Press "on/off" button. Light may be rotated or elevated using the 4 directional buttons. The +/- button is pressed once for "slow" then again for "fast".

### SETUP FOR OPERATION:

Carefully engage stanchion into base socket. As it slides into socket make sure the alignment screw at rear of stanchion slides into notch at rear of socket. Push stanchion down until it engages with electrical connector at bottom of socket.

Lock unit in place by sliding lock collar into the top of the socket and rotating clockwise. Check to make sure stanchion is secure in the socket.

The RadioRay®, Model 2100 is ready for immediate use and may be operated using the programmable wireless remote from anywhere on the boat or up to 100 feet away.

It is not recommended to leave the light in place when not in use or during high speed running of the boat. A bag is provided for convenient storage. Close the cover of the deck socket when not in use.

### BULB REPLACEMENT

The Model 2100 utilizes a Philips H-9 bulb with Cr5 Pentabeam technology, which may be purchased through Golight™, Inc. 308-278-3131 or 800-557-0098.