

LONAKO

Warning Light Operation Instructions

Product Description:

LONAKO warning lights include LNK-WL series and LNK-PL series which are designed for improving safety of ships and indicating the position of especial objects in the night or poor visibility weather. LNK-WL series lights can be recharged by both of solar and wind powers. LNK-PL series light can be recharged by solar power. All warning lights can automatically output flashing light depending on itself light-sensitive system. Each type light has different functions and all the functions can be circularly changed by manual switch and wireless remote according to the requirements of situations and weather. LONAKO warning lights are specially fit for the small ships, yachts, fish boats, wharfs, berths, houses and so on.



WL

PL

Remote Description:

LNK-WL-RC wireless remotes are specially used to control 12kinds warning light including LNK-WL and LNK-PL series in all. Anyone remote can match anyone warning light according to the matching code. The method of matching code is as following: First, use one hand to keep pressing "FUNCTION SWITCH" on remote and point the light. Then use the other hand to press "POWER ON/OFF" on the bottom of light to turn on the light. After two seconds, the new remote shall match the old light. The user can press "FUNCTION SWITCH" on remote and change the functions. This operation can be repeated.

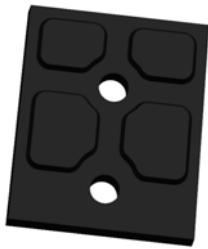
Technical Parameters:

Parameter \ Type	LNK-WL-R	LNK-WL-Y	LNK-WL-B	LNK-WL-G	LNK-WL-W	LNK-WL-RGW
Parameter	LNK-PL-R	LNK-PL-Y	LNK-PL-B	LNK-PL-G	LNK-PL-W	LNK-PL-RGW
Light Color	Red & White	Yellow & White	Blue & White	Green & White	White	Red & Green & White
Light Source	LED					
Activation	Automatically light-activated and manually switch					
Function Status	"Flashing" & "Steady" & "SOS"					
Function Control	Manual switch and wireless remote					
Max. RC Distance	30m					
Power Source	Rechargeable lithium battery					
Recharging Energy	LNK-WL series lights are recharged by solar and wind powers. LNK-PL series lights are recharged by solar power.					
Storing and Working Temperature	-30~+65°C (-22 ~ +149°F)					
Dimension	Main body: 115*73.2mm					

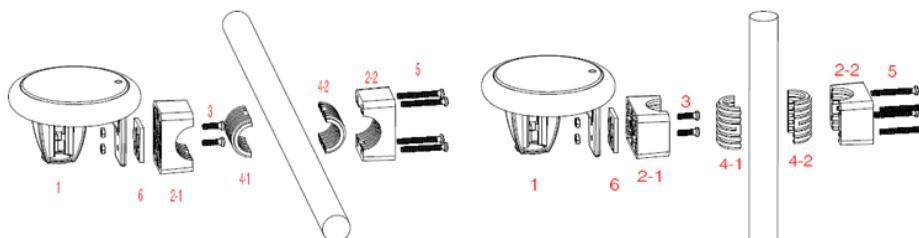
Weight	WL Light: 225g	PL light: 205g	Remote: 25g	Installation Components:200g
Ingress Protection			IP56	
Performance		UV-resistant, Fire-resistant, Oil-resistant, Mould-proof, Corrosion-proof		
Approval		CE and FCC		

Installation:

1. LONAKO warning light should be installed on the top and side of ships and objects in order to ensure its maximum visibility in all directions. And the position of installation should avoid the risk of lightning stroke.
2. The components for installation include 1pcs shim, 6pcs screws, 2pcs nut and 6pcs clip. The biggest two clips are fit for 1.2~1.3inch pipe. The two smaller clips can be separately inserted into the biggest clips to become one unit bracket for 0.95~1.05inch pipe. The smallest clips can be separately inserted into the biggest clips to become one unit bracket for 0.7~0.8inch pipe. The components and brackets are as below pictures.



3. When installing the light, user should choose the suitable clips according to the size of pipe. One biggest clip with four holes can be fixed with light in vertical or horizontal direction. So the user should confirm the installation direction of pipe before installation.
4. Installation of light is very simple. Please operate as below pictures according to the direction of pipe and ensure the wind fan vertical with water surface. If there are not suitable clips in harmony with pipe, user has to individually buy support to install the light and must ensure the installation tightness.



5. In order to avoid the birds standing on light, one unit anti bird thorn is offered together with light. The users can stick it on the blank place of solar panel as below picture.



Operation:

1. The functions maybe different according to selling fields. The distributor should explain and show them to users.
2. After the warning light is installed well, user can press "POWER ON/OFF" to turn on the light.
3. Normally the first function is controlled by light-sensitive system. The light will automatically turn on in the night and poor visibility weather and turn off automatically in the day.

4. Press "FUNCTION SWITCH" on light or wireless remote to circularly change functions. Except the first function, the other functions will keep working unless user press "POWER ON/OFF" switch on light to completely turn off the light or press "FUNCTION SWITCH" on wireless remote to OFF on standby.
5. Gradient single flashing light can be used as obstacle light. SOS signal should be used in the emergency situation only. Four-Flashing and single flashing light can be used as indicating-position light. White steady light can be used as anchor light.
6. The steady light can be used as assistant lighting equipment in the special situation, but the continuous working time is not more than 12hours in order to ensure the normal life of battery.
7. The battery will be recharged by solar and wind powers all day whatever the light is working or off. So the light has enough power to work.
8. The maximum control distance of wireless remote is normal 30m without any obstacle between light and remote. If the indicating LED on remote becomes weak, user can buy new battery to replace and assemble remote well.
9. Normally each wireless remote matches its light. But if the old remote is lost or bad, the user can just buy new remote to match the old light. The operation is as same as " Remote Description".
10. LNK-WL-RGW is not the standard navigation light. So users cannot use it to replace the standard navigation light.

Maintenance:

LONAKO warning lights are maintenance free, but the following checks should be made in time:

1. Keep the original packaging of light well and do not put heavy goods on light during storage.
2. The battery must be recharged at least one time within 3monthes during storage in order to ensure its normal life. If the light is stored over 3monthes, user should put the light under sunlight to recharge the battery at least 8hours.
3. Inspect and clean solar panel and light sensor each 6monthes in order to ensure its efficiency of absorbing sunlight and sensitivity of distinguishing visibility.

Safety:

LONAKO marine warning lights contain Lithium battery. These must be handled correctly:

1. Do not dismantle the light and battery pack.
2. Do not make any external electrical connection.
3. Do not recharge the battery except product itself function.
4. Do not incinerate.
5. Store between -30°C ~ +65°C (-22 ~ +149°F).
6. Dispose of used and expired lights in accordance with local regulation.

FCC Warning:

Caution: The user is cautioned that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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. 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.

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Warning Label:

FCC ID:2A127LNK-WL001 is shown on the bottom of each light.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.