ACDC Dynamics TK-03-100W

ACDC Dynamics 100W Solar LED Floodlight with Remote User Manual

Model: TK-03-100W | Brand: ACDC Dynamics

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your ACDC Dynamics 100W Solar LED Floodlight with Remote (Model: TK-03-100W). Please read this manual thoroughly before use to ensure proper function and longevity of the product.

2. SAFETY INSTRUCTIONS

- Ensure all components are securely mounted to prevent falling.
- Do not attempt to open or modify the solar panel or floodlight unit. This may void the warranty and cause damage.
- Keep the solar panel clean to ensure optimal charging efficiency.
- Avoid direct eye exposure to the LED light when it is active.
- Dispose of batteries (from the remote control) according to local regulations.
- This product is designed for outdoor use and is weatherproof, but avoid submerging it in water.

3. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- 1 x ACDC Dynamics 100W Solar LED Floodlight
- 1 x Solar Panel
- 1 x Remote Control
- Mounting hardware (screws, anchors)

Figure 1: Components of the ACDC Dynamics 100W Solar LED Floodlight system, including the floodlight, solar panel, and remote control.

4. SETUP AND INSTALLATION

4.1 Choosing a Location

For optimal performance, select a location for the solar panel that receives direct sunlight for at least 6-8 hours daily. The floodlight should be positioned to illuminate the desired area effectively.

4.2 Mounting the Solar Panel

1. Mark the drilling points on the chosen surface using the solar panel bracket as a template.
2. Drill holes and insert appropriate wall anchors if necessary.
3. Secure the solar panel bracket to the surface using the provided screws.
4. Attach the solar panel to the bracket, ensuring it can be angled towards the sun for maximum exposure.

4.3 Mounting the Floodlight

1. Choose a secure mounting surface for the floodlight.
2. Mark drilling points and secure the floodlight bracket using screws and anchors.
3. Attach the floodlight to its bracket, adjusting the angle to cover the desired area.

4.4 Connecting the Components

Connect the cable from the solar panel to the input port on the floodlight. Ensure the connection is firm and secure to maintain weather resistance.

4.5 Initial Charge

Allow the solar panel to charge the floodlight's internal battery for at least 8-10 hours in direct sunlight before first use. This ensures the battery is fully conditioned.

5. OPERATING INSTRUCTIONS

5.1 Remote Control Functions

The included remote control allows for convenient operation of the floodlight. Ensure the remote has batteries installed (not included with the floodlight unit itself, typically 2x AAA or 1x CR2032, check remote for specifics).

- **ON/OFF Button:** Press to manually turn the floodlight on or off.
- **Brightness Adjustment:** Buttons typically marked with '+' and '-' or specific percentage levels (e.g., 25%, 50%, 75%, 100%) to adjust light intensity.
- **Timer Functions:** Buttons for setting the light to stay on for a specific duration (e.g., 3H, 5H, 8H). The light will turn off automatically after the set time.
- **Auto Mode:** Activates the dusk-to-dawn sensor, causing the light to turn on automatically at dusk and off at dawn.

Note: Remote control range may vary depending on environmental factors. Point the remote directly at the floodlight's sensor for best results.

5.2 Automatic Operation (Dusk-to-Dawn)

When the floodlight is set to "Auto" mode via the remote, it will automatically detect ambient light levels. The light will illuminate at full brightness when it gets dark and turn off when daylight returns, provided the battery has sufficient charge.

6. MAINTENANCE

- **Solar Panel Cleaning:** Regularly wipe the surface of the solar panel with a soft, damp cloth to remove dust, dirt, or debris. A clean panel ensures maximum charging efficiency.
- **Component Inspection:** Periodically check all mounting hardware and connections to ensure they remain secure and free from corrosion.
- **Battery Replacement (Remote):** If the remote control's range or responsiveness decreases, replace its batteries. Refer to the remote control's battery compartment for the correct battery type.
- **Floodlight Cleaning:** Clean the floodlight's lens with a soft, damp cloth to maintain optimal light output.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Light does not turn on at night.	Insufficient solar panel charge. Light is in OFF mode. Solar panel is dirty or obstructed.	Ensure solar panel receives 6-8 hours of direct sunlight. Press the ON button on the remote or set to AUTO mode. Clean the solar panel surface. Remove any obstructions.
Light is dim or only stays on for a short period.	Incomplete battery charge. Battery degradation over time.	Ensure optimal solar panel placement and cleanliness for maximum charge. If the product is old, the internal battery may be reaching the end of its lifespan.
Remote control is not working.	Remote batteries are dead or incorrectly inserted. Obstruction between remote and floodlight sensor.	Replace remote control batteries, ensuring correct polarity. Ensure a clear line of sight between the remote and the floodlight.

8. SPECIFICATIONS

Feature	Detail
Brand	ACDC Dynamics
Model Number	TK-03-100W
Power Output	100W (LED Floodlight)
Product Dimensions	22 x 18 x 20 cm
Item Weight	250 g
Colour	White
Included Components	1 x ACDC Dynamics 100W Solar LED Floodlight with Bat and Remote
Batteries Required	Yes (for remote control)
Manufacturer	ACDC Dynamics (PTV) Ltd.

9. WARRANTY AND SUPPORT

Warranty information for the ACDC Dynamics 100W Solar LED Floodlight with Remote is typically provided at the point of purchase or within the product packaging. Please refer to your sales receipt or contact the retailer where the product was purchased for specific warranty terms and conditions.

For technical support or further assistance, please contact your retailer or the manufacturer, ACDC Dynamics (PTV) Ltd., directly. Contact details can usually be found on their official website or product packaging.