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Fydun Narooteem84x102zy

Fydun S900 LCD Display User Manual

Model: Narooteem84x102zy | Brand: Fydun

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your Fydun S900 LCD Display. The S900 display is designed for electric bicycles and scooters, offering comprehensive data display and control functionalities for 36V and 48V systems. Please read this manual thoroughly before using the product to ensure proper function and safety.

2. Safety Information

Always observe the following safety precautions to prevent injury or damage to the product:

- Ensure the power is off before performing any installation or maintenance.
- Do not attempt to disassemble or modify the display unit. Unauthorized modifications can lead to malfunction and void the warranty.
- Keep the display away from extreme temperatures, direct sunlight for prolonged periods, and corrosive substances.
- The display is rated IP54 for international protection, meaning it is protected from dust and splashing water. Avoid submerging the unit in water.
- Ensure all connections are secure and properly insulated to prevent short circuits.

3. Product Overview

3.1 Components

- S900 LCD Display Unit
- Control Panel with Buttons
- Connecting Cable
- Handlebar Mounting Brackets



Figure 3.1: The Fydun S900 LCD Display unit, showing the main screen, control buttons, and connecting cables.

3.2 Features

- **Data Display:** Shows remaining power, current speed, average speed, maximum speed, clock, and total one-way distance.
- **Battery Level Display:** Compatible with 36V and 48V voltage, providing intelligent and true battery power display for real-time consumption monitoring.
- **PAS Installation Support:** Allows selection of assistance levels when a PAS (Pedal Assist System) is installed.
- **Wide Application:** Suitable for 22.2mm / 0.9in handlebars, ideal for electric bicycles and scooters.
- **Multi-Function:** Functions as a trip computer and controls the entire electric system after conversion.
- **Waterproof Design:** Wear-resistant, durable, and IP54 rated for protection against splashing water.



Figure 3.2: Key data points displayed on the S900 LCD screen.

4. Setup and Installation

4.1 Mounting the Display

The S900 display is designed for handlebars with a diameter of 22.2mm (0.9 inches). Choose a suitable position on your handlebar that allows for clear visibility and easy access to the control buttons.

1. Loosen the screws on the handlebar mounting brackets of the display unit.
2. Position the display unit on the desired location on your handlebar.
3. Securely tighten the screws to ensure the display is firmly mounted and does not rotate during use.
4. Mount the separate control panel (buttons) next to the display or in a convenient location for thumb operation.



Figure 4.1: The S900 display mounted on a handlebar, showing its suitable size for 22.2mm handlebars.

4.2 Electrical Connection

Connect the display's cable to the corresponding port on your electric bicycle or scooter's controller. Ensure the connectors are fully seated and secured. Refer to your controller's manual for specific wiring diagrams if necessary.



Figure 4.2: Rear view of the S900 display, illustrating the mounting mechanism and cable exit point.

5. Operating Instructions

5.1 Powering On/Off

- To power on the display, press and hold the power button (usually the middle button on the control panel) for a few seconds.
- To power off the display, press and hold the power button again until the screen turns off.

5.2 Navigating the Display

The control panel typically consists of three buttons: Up, Down, and Power/Mode. Use these buttons to navigate through different display modes and adjust settings.

- **Up/Down Buttons:** Used to adjust PAS levels, scroll through data, or change settings values.
- **Power/Mode Button:** Used to power on/off, switch between display modes (e.g., Odometer, Trip Distance), or enter/exit settings menus.

5.3 Understanding Display Data

The S900 display provides various real-time data:

- **Battery Level:** Indicated by a battery icon, showing remaining power. Compatible with 36V and 48V systems.
- **Speed:** Displays current speed, average speed, and maximum speed.
- **Distance:** Shows total odometer reading and trip distance.
- **PAS Level:** If a PAS system is connected, this indicates the current assistance level.
- **Clock:** Displays the current time.



Figure 5.1: Close-up of the S900 display screen, showing various data fields like battery level, speed, mode, and PAS.

5.4 PAS System Operation

If your electric bicycle is equipped with a Pedal Assist System (PAS), the S900 display allows you to select different levels of assistance. Use the Up and Down buttons on the control panel to increase or decrease the PAS level. Higher levels provide more motor assistance.

6. Maintenance

- **Cleaning:** Wipe the display screen and body with a soft, damp cloth. Do not use abrasive cleaners, solvents, or spray water directly onto the unit.
- **Storage:** When not in use for extended periods, store the display in a dry, cool place away from direct sunlight.
- **Inspection:** Periodically check the cables and connectors for any signs of wear or damage. Ensure the mounting screws remain tight.

7. Troubleshooting

Problem	Possible Cause	Solution
Display does not power on.	No power from battery/controller; Loose cable connection; Damaged display.	Check battery charge; Ensure all cables are securely connected; Contact support if display is damaged.
Incorrect speed reading.	Speed sensor issue; Incorrect wheel diameter setting.	Check speed sensor connection and placement; Verify wheel diameter setting in display parameters (if applicable).
Display shows error code.	System malfunction; Sensor error.	Refer to your controller's manual for specific error code meanings; Check all connections; Restart the system.
Buttons are unresponsive.	Water ingress; Physical damage; Software glitch.	Ensure unit is dry; Inspect for physical damage; Try restarting the display.

8. Specifications

Feature	Detail
Model	S900
Brand	Fydun
Voltage Compatibility	36V / 48V
Display Type	LCD
Handlebar Diameter	22.2mm / 0.9in
International Protection Rating	IP54
Item Weight	223 Grams
Color	Black
Human Interface Input	Buttons

9. Warranty and Support

For warranty information and technical support, please refer to the documentation provided with your purchase or contact Fydun customer service directly. Keep your proof of purchase for warranty claims.
For further assistance, please visit the Fydun Store on Amazon: Fydun Store

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