Unknown Yu-nls419

User Manual: 315M Wireless Smart Switch

Model: Yu-nls419 | Brand: Unknown

Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of the 315M Wireless Smart Switch. This device is designed for remote control applications, offering flexible control modes for various electrical loads. Please read this manual thoroughly before installation and use to ensure proper functionality and safety.

Product Overview

The 315M Wireless Smart Switch operates on AC110~220V and supports a load power of up to 10A. It features a learning function to pair with 315M wireless remote controls and offers Jog, Self-locking, and Interlocking work modes. The output is passive, suitable for switch applications.

Figure 1: Internal view of the wireless smart switch module. This image displays the red circuit board, the blue relay, capacitors, and the

black coiled antenna, all mounted on a white base. The terminal block for wiring is visible on the right.

Figure 2: Side view of the wireless smart switch with its protective white plastic casing. The casing features ventilation slots along the top edge and a small opening for the antenna on the left side.

Figure 3: Angled view of the wireless smart switch module with its white plastic cover detached. This view clearly shows the internal components of the circuit board alongside the empty casing, highlighting how the module fits within its enclosure.

Figure 4: Top view of the wireless smart switch with its white plastic cover fully installed. This image shows the compact and enclosed form factor of the device, with the antenna protruding from one end.

Specifications

Parameter	Value
Working Voltage	AC110 ~ 220V
Load Power	10A
Encoding	Learning (supports common 315M wireless remote controls)
Work Modes	Jog, Self-locking, Interlocking (user configurable)
Output Type	Passive output (no output voltage, for switch use)
Receiving Frequency	315MHZ
Remote Control Distance	10-100 meters (through walls)
Module Size (including shell)	67 * 33 * 23mm
Item Weight	1.1 pounds
Connectivity Protocol	Wi-Fi
Control Method	Remote

Setup and Installation

Safety Precaution: Before beginning installation, ensure that the main power supply to the circuit is turned off at the

breaker to prevent electrical shock.

1. **Wiring the Module:**
   - Connect the 220V FireWire to the terminal marked**L**.
   - Connect the 220V Zero Line to the terminal marked**N**.
   - The output terminals are passive. Connect your load (e.g., light, fan) to the appropriate output terminals (typically marked NO, COM, NC for Normally Open, Common, Normally Closed) based on your desired switching behavior. Refer to the wiring diagram provided with your specific unit if available.
2. **Learning Remote Controls:**

   The module supports learning commonly used 315M wireless remote controls. The D1 indicator serves as both a receive indicator and a learning indicator.
   - Press the learning button on the module (usually a small button near the D1 indicator). The D1 indicator will light up or flash, indicating it's in learning mode.
   - While the indicator is active, press any button on your 315M remote control that you wish to pair.
   - The D1 indicator will flash a few times and then turn off, indicating successful pairing.
   - Repeat for additional remote control buttons if desired, or for multiple remote controls.
3. **Setting Work Modes (Jog, Self-locking, Interlocking):**

   The work mode is typically set by jumpers or a dedicated button on the module. Consult the specific markings on your module for exact configuration.
   - **Jog Mode (Momentary):** The relay activates only while the remote button is pressed and deactivates when released.
   - **Self-locking Mode (Toggle):** Press the remote button once to activate the relay, press it again to deactivate.
   - **Interlocking Mode (Latched):** Used with multiple buttons on a remote. Pressing one button activates its corresponding relay and deactivates any other active relays in the group.

   Note: The exact method for setting these modes varies by module version. Look for jumpers (e.g., JP1, JP2) or a mode selection button.

Operating Instructions

Once the module is wired and remote controls are paired, operation is straightforward:

- **Power On:** Restore power to the circuit. The module should be ready for operation.
- **Remote Control Operation:**
  - Press the paired button on your 315M remote control.
  - The D1 indicator on the module will light up briefly, confirming reception of the signal.
  - The connected load will respond according to the set work mode (Jog, Self-locking, or Interlocking).
- **Range:** The remote control distance is typically 10-100 meters, depending on environmental factors and obstacles (e.g., walls).

Maintenance

The 315M Wireless Smart Switch is designed for low maintenance. Follow these guidelines to ensure longevity:

- **Cleaning:** Use a dry, soft cloth to clean the exterior of the module. Do not use liquid cleaners or solvents.

- **Environment:** Ensure the module is installed in a dry environment, away from excessive heat, humidity, and direct sunlight.
- **Power Supply:** Ensure the input voltage remains within the specified AC110~220V range.
- **Load Capacity:** Do not exceed the maximum load power of 10A to prevent damage to the module.

Troubleshooting

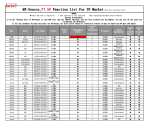
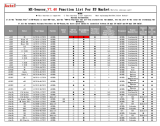
Problem	Possible Cause	Solution
Module does not respond to remote control.	• Remote control not paired. • Remote control battery is low or dead. • Module not powered. • Interference from other wireless devices. • Remote control out of range.	• Re-pair the remote control following the "Learning Remote Controls" section. • Replace remote control batteries. • Check power connections to the module. • Move module or remote away from other wireless devices. • Move closer to the module.
Load does not turn on/off correctly.	• Incorrect wiring of the load. • Load exceeds 10A capacity. • Incorrect work mode setting.	• Verify load wiring according to the "Setup and Installation" section. • Ensure load does not exceed 10A. • Check and adjust the work mode setting (Jog, Self-locking, Interlocking).
D1 indicator does not light up during learning.	• Module not powered. • Learning button not pressed correctly.	• Check power connections. • Ensure the learning button is pressed firmly and held for the required duration.

Warranty and Support

Specific warranty information for this product is not provided in the available documentation. For technical support or warranty inquiries, please contact your retailer or the manufacturer directly using the contact information provided at the point of purchase.

Related Documents - Yu-nls419

	Yu Xiang F09-S UH-60 Black Hawk Helicopter User Manual Comprehensive user manual for the Yu Xiang F09-S UH-60 Black Hawk RC helicopter. Covers introduction, accessories, safety precautions, helicopter parameters, remote control functions, flight modes, calibration, troubleshooting, and more.

	[Autel MX-Sensor V7.50 Function List for US Market] Comprehensive function list for Autel MX-Sensors, version 7.50, specifically for the US market. This document details sensor compatibility, programming status, and features across various vehicle makes and models.
	[Configure Cisco BW Autonomous System for Unknown SIP Headers and Proxy Options] This document provides a guide on configuring proxy strategies for the Cisco BW autonomous system to proxy unknown SIP headers and Require/Supported parameters. It covers prerequisites, requirements, general information, configuration steps using bwcli, and troubleshooting.
	[ReactomePA: A Comprehensive R Package for Reactome Pathway Analysis] This document details the ReactomePA R package, a tool for pathway analysis based on the Reactome database. It covers functions for enrichment analysis, gene set enrichment analysis, and visualization, along with package dependencies, suggested packages, and usage examples.
	[Autel MX-Sensor V7.40 Function List for EU Market] This document provides a comprehensive function list for Autel's MX-Sensor, version 7.40, specifically for the European market. It details compatibility across various vehicle makes, models, and year ranges, including features like OBD-II Function, Programming Status, Tire Type/Pressure Selection, and Relearn Type. The list also specifies sensor manufacturers and support by Autel tools.
	[S5 OWS Sports Earphone User Manual and Specifications] This document provides detailed instructions, specifications, and operating procedures for the S5 OWS Sports Earphone, including Bluetooth pairing, power management, and usage precautions. It also includes FCC compliance information.