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Sensor Switch SPODM-2P-RD

SPODM-2P-RD nLight SwitchPod Control User Manual

Brand: Sensor Switch | Model: SPODM-2P-RD

1. INTRODUCTION

1.1 Product Overview

The Sensor Switch SPODM-2P-RD nLight SwitchPod Control is a 2-button, low voltage (12/24-Vdc) wall-mount switch designed for nLight lighting control systems. This device provides manual ON/OFF control for connected lighting or other loads within an nLight network.

1.2 Key Features

- nLight SwitchPod Switch
- Wall-Mount design
- 2-Button configuration (ON/OFF for two independent circuits or functions)
- Low Voltage operation (12/24-Vdc)
- Red finish

1.3 Package Contents

- 1 x SPODM-2P-RD nLight SwitchPod Control
- Mounting Screws
- Installation Guide (this manual)

2. SAFETY INFORMATION

Please read all instructions carefully before installation and operation. Failure to follow these instructions may result in property damage, injury, or death.

- **WARNING:** To avoid fire, shock, or death, turn off power at the circuit breaker or fuse box and test that the

power is off before wiring.

- This device is designed for low voltage (12/24-Vdc) applications only. Do not connect to line voltage (120V/240V AC).
- Installation should be performed by a qualified electrician in accordance with all local and national electrical codes.
- Do not install if the product appears damaged.
- Do not modify the device in any way.

3. SETUP AND INSTALLATION

3.1 Tools Required

- Screwdriver (Phillips and/or Flathead)
- Wire Strippers
- Electrical Tape (optional)

3.2 Wiring Instructions

The SPODM-2P-RD uses screw terminals for connection. Ensure all connections are secure.





Figure 3.2.1: Side view of the SPODM-2P-RD with wiring label. This image shows the product's side profile, highlighting the label with detailed wiring instructions and specifications.





Figure 3.2.2: Back view of the SPODM-2P-RD. This image illustrates the rear of the switch, revealing the screw terminals where low voltage wires are connected for power and control signals.

1. **Turn Off Power:** Before beginning any wiring, ensure power to the circuit is turned off at the circuit breaker. Verify with a voltage tester.
2. **Identify Wires:**
 - **WHT (White):** Manual ON Input
 - **BLU (Blue) stripe:** Right button output
 - **BLK (Black) stripe:** Left button output

- **RED (Red):** Power (12/24-Vdc)

- **YLW (Yellow):** Common

3. **Connect Wires:** Connect the corresponding low voltage wires from your nLight system to the screw terminals on the SPODM-2P-RD. Ensure wires are stripped to the appropriate length and securely fastened under the screw terminals.
4. **Mount Switch:** Carefully push the wired switch into the wall box. Secure it using the provided mounting screws.
5. **Install Wallplate:** Attach the decorative wallplate (not included) over the switch.
6. **Restore Power:** Turn the power back on at the circuit breaker.

4. OPERATION

4.1 Basic Functionality

The SPODM-2P-RD features two independent push-buttons, each controlling an ON/OFF function within the nLight system. The control method is touch-based, responding to physical presses of the buttons.





Figure 4.1.1: Front view of the SPODM-2P-RD. This image displays the red faceplate with two sets of "ON" and "OFF" buttons, indicating its dual-channel control capability.

- Press the top "ON" button to activate the function associated with the upper control.
- Press the top "OFF" button to deactivate the function associated with the upper control.
- Press the bottom "ON" button to activate the function associated with the lower control.
- Press the bottom "OFF" button to deactivate the function associated with the lower control.

The specific actions triggered by these buttons are configured within the nLight system and may vary based on your installation.

5. MAINTENANCE

The SPODM-2P-RD nLight SwitchPod Control requires minimal maintenance.

- **Cleaning:** To clean the surface of the switch, use a soft, damp cloth. Do not use abrasive cleaners, solvents, or harsh chemicals, as these may damage the finish or internal components.
- **No User-Serviceable Parts:** There are no user-serviceable parts inside this device. Do not attempt to open or repair the unit. Refer all servicing to qualified personnel.

6. TROUBLESHOOTING

If you experience issues with your SPODM-2P-RD, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Switch does not respond.	No power to the device. Incorrect wiring. nLight system issue.	Verify power is supplied to the nLight system and the switch. Check wiring connections against the diagram in Section 3.2. Consult your nLight system's documentation or administrator.
Buttons feel loose or stuck.	Physical damage or debris.	Ensure no foreign objects are obstructing the buttons. If physically damaged, the unit may need replacement.
Incorrect function when button is pressed.	Incorrect nLight system configuration.	Verify the nLight system programming for the switch's address and button assignments.

If the problem persists after attempting these solutions, contact Sensor Switch technical support or a qualified electrician.

7. TECHNICAL SPECIFICATIONS

Attribute	Specification
Model Number	SPODM-2P-RD
Brand	Sensor Switch
Operation Mode	Automatic
Operating Voltage	12/24 Volts DC
Contact Type	Normally Open
Connector Type	Screw Terminals
Circuit Type	2-way
Actuator Type	Push Button
Contact Material	Metal
International Protection Rating	IP54
Number of Positions	2
Control Method	Touch

Attribute	Specification
Color	Red
Dimensions (L x W x H)	4 x 2.5 x 1.75 inches
Item Weight	7.4 ounces
Certifications	CE, ETL, REACH, RoHS, WEEE, cULus

8. WARRANTY AND SUPPORT

This product is covered by the manufacturer's standard warranty. For specific warranty terms and conditions, please refer to the documentation provided with your purchase or visit the official Sensor Switch website.

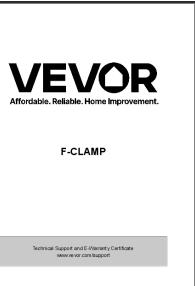
8.1 Technical Support

For technical assistance, troubleshooting beyond this manual, or warranty claims, please contact Sensor Switch customer support. Contact information can typically be found on the manufacturer's website or product packaging.

Note: The input data does not provide specific contact details or warranty duration. Please refer to the manufacturer's official resources for the most accurate and up-to-date information.

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Related Documents - SPODM-2P-RD

 <p>VEVOR Affordable. Reliable. Home Improvement. F-CLAMP Technical Support and E-Warranty Certificate www.vevor.com/support</p>	<p>VEVOR F-CLAMP Instruction Manual and Technical Specifications</p> <p>Comprehensive guide for VEVOR F-CLAMPS, including model details, assembly instructions, safety precautions, troubleshooting, maintenance, and warranty information.</p>
 <p>Trane Installation manual CWS 400 x 400 (1 - 2 - 3) CWS 800 x 800 (1 - 3 - 4) Chilled water cassette Kühlwasser-Kassettenventil Kühlwasser-Kassettenventil Cassette de agua refrigerada Cassette de agua refrigerada Dekor-Kassettenventil</p>	<p>Trane Cassette Fan-Coil Unit Installation Manual CWS Series</p> <p>This installation manual from Trane Technologies provides comprehensive guidance for the safe and proper installation of Trane Cassette fan-coil units (CWS series). It covers essential safety rules, technical specifications, mechanical, hydraulic, and electrical connections, operation limits, maintenance, and troubleshooting for various models.</p>

	<p><u>Nintendo Switch Joy-Con Controller Diagram and Button Guide</u></p> <p>A detailed guide to the buttons and features of the Nintendo Switch Joy-Con controllers, including L/R buttons, analog sticks, directional buttons, capture button, home button, SL/SR buttons, and sync button.</p>
	<p><u>Lithonia Lighting BLT Series 1'x4' LED Luminaire: Features, Specifications, and nLight Controls</u></p> <p>Detailed product specification sheet for the Lithonia Lighting BLT Series 1'x4' LED luminaire. Covers features, construction, optics, electrical specifications, nLight platform integration (Air and Wired), sensor options, ordering information, emergency battery packs, and performance data for commercial applications.</p>
	<p><u>Beverage-Air BF Series Installation and Operating Instructions</u></p> <p>Comprehensive guide for the installation, operation, and maintenance of Beverage-Air BF series refrigeration units. Covers safety, product information, electrical requirements, and troubleshooting.</p>
	<p><u>Lennox MLB/MPC Outdoor Units with M22A/M33C Indoor Units Installation Guide</u></p> <p>Comprehensive installation instructions for Lennox single-zone mini-split systems, covering MLB/MPC outdoor units and M22A/M33C indoor cassette units. Includes model identification, system components, dimensions, clearances, installation procedures, wiring, and troubleshooting.</p>