PERRY 1IT1067

PERRY 1IT1067 Staircase Light Timer User Manual

INTRODUCTION

This manual provides instructions for the installation, operation, and maintenance of the PERRY 1IT1067 Staircase Light Timer. This electronic timer is designed for lighting installations requiring automatic shutdown after a preset time. It operates on 230V +/- 10% 50Hz power and offers an adjustable timing range from 30 seconds to 20 minutes. The device features a microcontroller enabling 6 different operating modes, selectable via a rotary switch.

Figure 1: PERRY 1IT1067 Staircase Light Timer. This image shows the front view of the timer, highlighting its compact design and rotary switch for mode selection.

SAFETY INFORMATION

Please read all safety instructions carefully before installation and operation. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- **Electrical Installation:** Installation must be performed by a qualified electrician in accordance with all local and national electrical codes.
- **Power Disconnection:** Always disconnect power at the main circuit breaker before installing or servicing the device.
- **Voltage:** Ensure the supply voltage matches the device's specifications (230V AC, 50Hz).
- **Environment:** Do not install in wet or damp locations. The device has an IP20 rating, meaning it is protected against solid objects larger than 12.5mm but has no protection against water.
- **Overload:** Do not exceed the maximum load rating of the timer.

PRODUCT OVERVIEW AND FEATURES

The PERRY 1IT1067 timer is designed for efficient control of staircase lighting. Key features include:

- **Adjustable Timing:** Time setting from 30 seconds to 20 minutes.
- **Multiple Operating Modes:** Six distinct modes selectable via an internal rotary switch, enabled by a micro-controller.
- **DIN18015-2 Compliance:** Includes modes compliant with DIN18015-2 standards.
- **Pre-warning Function:** Certain modes offer a 15-second pre-warning before lights turn off.
- **Extended Lighting Option:** Ability to keep lights on for up to 45 minutes, useful for cleaning or extended access.
- **Zero Crossing Control:** Intelligent "Zero Crossing" relay control optimizes load switching, extending relay lifespan.
- **Silent Operation:** Designed for quiet performance.

SETUP AND INSTALLATION

This device is intended for installation within an electrical distribution board or suitable enclosure.

1. **Power Disconnection:** Before starting any work, ensure the main power supply to the circuit is completely disconnected at the circuit breaker. Verify with a voltage tester.
2. **Mounting:** Mount the timer securely in a standard electrical enclosure or DIN rail, if applicable.
3. **Wiring:** Connect the timer according to the wiring diagram provided with the product packaging. Ensure correct connections for phase (L), neutral (N), and the switched load output. Pay close attention to the maximum load capacity.
4. **Mode Selection:** Before restoring power, select the desired operating mode using the rotary switch on the device. Refer to the product's specific wiring diagram and mode descriptions for detailed guidance.
5. **Power Restoration:** Once all connections are secure and verified, restore power to the circuit.
6. **Testing:** Test the timer's functionality in the selected mode to ensure it operates as expected.

Note: A detailed wiring diagram is crucial for correct installation. Always refer to the diagram supplied with your specific unit.

OPERATING INSTRUCTIONS

The PERRY 1IT1067 offers six operating modes, selected via a rotary switch. The exact function of each position is detailed in the product's accompanying documentation.

- **Mode Selection:** Use a small screwdriver to carefully turn the rotary switch to the desired mode setting. This should typically be done during installation or when power is disconnected.
- **Time Adjustment:** The timing duration (30 seconds to 20 minutes) is usually set via a separate potentiometer or a specific position on the rotary switch. Consult the product's specific instructions for precise adjustment.
- **Standard Operation:** In most modes, a momentary press of a connected push-button switch will activate the light for the preset duration.
- **Pre-warning:** If a pre-warning mode is selected, the lights may flicker or dim briefly approximately 15 seconds before turning off completely.
- **Extended Lighting:** For modes allowing extended lighting (e.g., 45 minutes for cleaning), specific activation steps will be outlined in the product's detailed guide. This might involve a longer press or a sequence of presses.

Important: Always refer to the specific mode descriptions and wiring diagrams provided with your PERRY 1IT1067 for accurate operation.

MAINTENANCE

The PERRY 1IT1067 Staircase Light Timer is designed for long-term, maintenance-free operation.

- **Cleaning:** If necessary, gently wipe the exterior of the device with a dry, soft cloth. Do not use liquid cleaners or solvents.
- **Inspection:** Periodically inspect the wiring connections for any signs of loosening or damage. Ensure the device is free from dust accumulation, especially around ventilation points if present.
- **No User Serviceable Parts:** The internal components are not user-serviceable. Do not attempt to open or repair the device.

Caution: Always disconnect power before performing any inspection or cleaning.

TROUBLESHOOTING

If the PERRY 1IT1067 timer is not functioning as expected, consider the following:

- **No Power:**

  - Check the main circuit breaker to ensure power is supplied to the circuit.
  - Verify all wiring connections are secure and correct according to the diagram.

- **Lights Not Turning On/Off:**

  - Confirm the operating mode is correctly selected on the rotary switch.
  - Check the timing adjustment setting.
  - Ensure the connected push-button switch is functioning correctly.
  - Verify the load (lights) are not faulty.

- **Incorrect Timing:**

  - Re-check the timing adjustment setting.
  - Ensure the selected operating mode is appropriate for the desired timing behavior.

- **Device Overheating:**

    - Ensure the load connected does not exceed the maximum specified capacity.
    - Verify adequate ventilation around the device.

If problems persist after checking these points, contact a qualified electrician or technical support. Do not attempt internal repairs.

SPECIFICATIONS

Brand	PERRY
Model Number	1IT1067
Voltage	230V AC +/- 10%, 50Hz
Timing Range	30 seconds to 20 minutes
Ingress Protection (IP) Rating	IP20
Material	Plastic
Dimensions (L x W x H)	3 x 11 x 11 cm
Weight	80 g

WARRANTY AND SUPPORT

PERRY products are manufactured to high-quality standards. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official PERRY website.
For technical support, installation queries, or troubleshooting assistance beyond this manual, please contact PERRY customer service or your authorized dealer.

- **Online Resources:** Check the official PERRY website for updated manuals, FAQs, and support contact information.
- **Professional Assistance:** For electrical installations or complex issues, always consult a qualified electrician.