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Popp MSTM-180

POPP MSTM-180 Analog Daily Timer Instruction Manual

Model: MSTM-180

Introduction

The POPP MSTM-180 Analog Daily Timer is designed to optimize electrical consumption by allowing users to customize operating periods for various installations. This device is ideal for automating the control of electrical circuits, ensuring energy efficiency and convenience.
It can be used to program the operation of lighting, heating, ventilation, or access control systems, both in domestic, commercial, and industrial sectors. Its robust design and clear analog interface make it a reliable solution for daily scheduling needs.

Safety Information

Always disconnect power before installation or maintenance. Installation should be performed by a qualified electrician in accordance with local electrical codes. Do not exceed the maximum load capacity of 3500W (16A).

Product Overview

The POPP MSTM-180 is a compact analog timer designed for DIN rail mounting. It features a 24-hour dial with 15-minute programming segments, allowing for precise daily scheduling. The timer includes a power reserve to maintain timekeeping during power outages.



Front view of the POPP MSTM-180 Analog Daily Timer, showing the 24-hour dial and programming pins.



Back view of the POPP MSTM-180 Analog Daily Timer, displaying the wiring diagram and product specifications.

This video provides a close-up view of the POPP MSTM-180 Analog Daily Timer, highlighting its features and design.

Setup and Installation

The POPP MSTM-180 is designed for DIN rail installation. Ensure the power supply is disconnected before proceeding with installation.

Wiring Connections:

- **L (Line):** Connect the live wire from the power supply.
- **N (Neutral):** Connect the neutral wire from the power supply.
- **1 (Output Live):** Connect the live wire to the load (e.g., light, heater).

- **2 (Output Neutral):** Connect the neutral wire to the load.

Refer to the wiring diagram on the back of the device for precise connections. After wiring, securely mount the timer onto a standard DIN rail.

This video demonstrates the installation process for a DIN rail timer switch, similar to the POPP MSTM-180.

Operating Instructions

Setting the Current Time:

1. Rotate the central dial clockwise until the current time aligns with the arrow indicator. The dial represents a 24-hour cycle.

Programming ON/OFF Periods:

1. The dial is surrounded by small segments, each representing 15 minutes.
2. To set an ON period, push the corresponding segments outwards.
3. To set an OFF period, leave the corresponding segments in their inward position.
4. Ensure that the total duration of ON periods does not exceed the device's operational limits.

Manual Override:

The timer typically includes a manual override switch (often a small lever or button) to temporarily switch the load ON or OFF, bypassing the programmed schedule. Consult the device's front panel for the specific manual override mechanism.

Maintenance

The POPP MSTM-180 Analog Daily Timer requires minimal maintenance. Keep the device clean and free from dust. Do not use abrasive cleaners or solvents. The internal battery reserve of 100 hours ensures that the time setting is maintained during short power interruptions. If the device is unpowered for extended periods, the time may need to be reset upon reconnection.

Troubleshooting

- **Timer Not Functioning / Load Not Switching:**
  - Verify that the power supply (L and N terminals) is correctly connected and active.
  - Check the load connections (terminals 1 and 2) to ensure they are secure and correctly wired.
  - Ensure that the programming pins are correctly set for the desired ON/OFF periods.
  - If the timer has been unpowered for a long time, allow it to run for an hour or more to charge the internal reserve battery, then reset the current time.
- **Inaccurate Timekeeping:**
  - Ensure the current time is set accurately on the dial.
  - If the timer loses time frequently, check for stable power supply. The 100-hour power reserve should cover most short outages.

Specifications

Model	MSTM-180
Brand	Popp

Voltage	220-240V AC
Frequency	50/60Hz
Contact Capacity	16A(4)/250V (Max. 3500W)
Programming Intervals	15 minutes (minimum)
Power Reserve	100 hours
Mounting	DIN Rail
Material	Plastic
Certifications	CE, RoHS
Color	White
Country of Origin	China

Warranty Information

POPP products are typically covered by a manufacturer's warranty against defects in materials and workmanship. The specific warranty period and terms may vary. Please retain your proof of purchase for warranty claims. For detailed warranty information, refer to the documentation provided with your purchase or contact POPP customer support.

Support

For technical assistance, troubleshooting, or product inquiries, please contact POPP customer support. You can find contact information on the manufacturer's website or through your retailer. When contacting support, please have your product model (MSTM-180) and purchase details available.
For additional resources, you may visit the Popp Brand Store.

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