ciciglow TM919BK

ciciglow TM919BK Digital Programmable Timer Switch User Manual

Model: TM919BK

1. INTRODUCTION

Thank you for choosing the ciciglow TM919BK Digital Programmable Timer Switch. This device is designed to automatically control the power supply to electrical appliances based on your programmed schedule. It features a large LCD display, 16 ON/OFF programs per day, and a countdown function, offering precise timing control for various applications. Please read this manual carefully before installation and operation to ensure proper use and to prevent damage.

2. SAFETY INFORMATION

- **Electrical Hazard:** Installation should only be performed by a qualified electrician or competent person. Ensure power is disconnected before installation or maintenance.
- **Voltage Compatibility:** This timer switch operates within 85-265V AC. Do not connect to voltages outside this range.
- **Load Capacity:** Do not exceed the maximum load capacity of 30A (5000W). Overloading can cause damage to the device and connected appliances, and poses a fire risk.
- **Environment:** Do not install in wet or damp locations. Keep away from water and excessive heat.
- **Intended Use:** Use this device only for its intended purpose as a programmable timer switch.

3. PRODUCT OVERVIEW AND FEATURES

The TM919BK is a versatile digital timer switch designed for automated control of electrical circuits.

Figure 3.1: Front view of the TM919BK Digital Timer Switch.

Key Features:

- **Timing Control:** Up to 16 ON/OFF settings per day, with a timing range from 1 minute to 168 hours.
- **LCD Display:** Clear LCD display with LED indicators for easy program setting visibility.
- **Countdown Function:** Allows setting devices to automatically turn off after a designated time.
- **DIN Rail Mounting:** Suitable for 35mm DIN Rail installation.
- **Power Backup:** Built-in CR2450 battery for memory retention during power outages.

Figure 3.2: Side view showing the built-in battery for memory backup.

4. Package Contents

Please check the package for the following items:

- 1 x ciciglow TM919BK Digital Programmable Timer Switch
- 1 x User Manual

5. Specifications

Parameter	Value
Model	TM919BK
Power Supply	85~265V AC
Capacity	30A 5000W

Parameter	Value
Timing Range	1 minute to 168 hours
Programs	16 ON/OFF per day
Functions	Clock display (12hr/24hr), Timer, Countdown
Material	Plastic
Mounting	35mm DIN Rail
Item Weight	5.2 ounces
Package Dimensions	3.54 x 2.76 x 1.97 inches

6. Setup and Installation

The TM919BK timer switch is designed for 35mm DIN Rail mounting. Ensure all power is disconnected before proceeding with installation.

6.1 Wiring Diagram

Refer to the following diagram for correct wiring connections. It is crucial to connect the Live (L) and Neutral (N) wires correctly to the input terminals, and the load to the output terminals (NO - Normally Open, NC - Normally Closed, Common).

Figure 6.1: Wiring diagram for the TM919BK.

- **Terminals 1 & 2:** Power input (L and N for 85-265V AC).
- **Terminal 3:** Common terminal for the switch output.
- **Terminal 4:** Normally Open (NO) contact. The circuit is closed when the timer is ON.
- **Terminal 5:** Normally Closed (NC) contact. The circuit is closed when the timer is OFF.

6.2 Mounting

Snap the timer switch onto a standard 35mm DIN rail. Ensure it is securely fastened.

6.3 Initial Power-Up

After wiring and mounting, restore power. The LCD display should light up. If the display is blank, press the **RESET** button with a pointed object (e.g., a toothpick) to initialize the device.

7. OPERATING INSTRUCTIONS

Familiarize yourself with the buttons on the timer switch:

Figure 7.1: Control buttons on the TM919BK.

- **P:** Program setting button.
- **D+:** Day setting button.
- **H+:** Hour setting button.
- **M+:** Minute setting button.
- **Clock Icon:** Used to exit programming mode and return to clock display, or to set current time/day.
- **RESET:** Resets all settings to factory defaults.
- **MANUAL:** Manual override for ON/AUTO/OFF modes.

7.1 Setting Current Time and Day

1. Press and hold the **Clock Icon** button.

2. While holding the **Clock Icon**, press **D+** to set the current day of the week.

3. While holding the **Clock Icon**, press **H+** to set the current hour.

4. While holding the **Clock Icon**, press **M+** to set the current minute.

5. Release the **Clock Icon** button to save the settings.

7.2 Setting ON/OFF Programs

The timer allows for up to 16 ON and 16 OFF programs. Each program can be set for specific days or combinations of days.

1. Press the **P** button once. The display will show "1 ON".

2. Press **D+** to select the day(s) for this program. Options include: every day, specific weekdays, weekends, etc.

3. Press **H+** to set the desired ON hour.

4. Press **M+** to set the desired ON minute.

5. Press the **P** button again. The display will show "1 OFF".

6. Repeat steps 2-4 to set the OFF time for the first program.

7. Continue pressing **P** to cycle through "2 ON", "2 OFF", up to "16 ON", "16 OFF", setting each program as needed.

8. After setting all desired programs, press the **Clock Icon** button to exit programming mode and return to the current time display.

Note: If no button is pressed for 10 seconds during programming, the timer will automatically exit programming mode.

7.3 Manual Override (MANUAL Button)

Press the **MANUAL** button to cycle through the following modes:

- **ON:** The output is continuously ON, ignoring all programs.
- **AUTO:** The timer operates according to the programmed ON/OFF schedules.
- **OFF:** The output is continuously OFF, ignoring all programs.

Ensure the timer is set to **AUTO** mode for programmed operations.

7.4 Countdown Function

The countdown function allows the device to turn ON or OFF after a specified duration.

1. Press the **P** button repeatedly until "d ON" or "d OFF" appears (for countdown ON or countdown OFF).

2. Use **H+** and **M+** to set the desired countdown duration (up to 99 hours 59 minutes).

3. Press the **Clock Icon** button to start the countdown. The display will show the remaining time.

8. MAINTENANCE

- **Cleaning:** Wipe the device with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Battery Backup:** The built-in CR2450 battery maintains time and program settings during power outages. If the display is blank or settings are lost frequently after power interruptions, the battery may need replacement. This should be done by a qualified technician.
- **Inspection:** Periodically check wiring connections for tightness and signs of wear.

9. TROUBLESHOOTING

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Display is blank.	No power supply; device reset needed.	Check power connections. Press the **RESET** button.
Timer not switching ON/OFF as programmed.	Incorrect program settings; timer in manual ON/OFF mode.	Verify program settings. Ensure the timer is in **AUTO** mode by pressing **MANUAL**.
Settings are lost after power outage.	Backup battery low or depleted.	The internal CR2450 battery may need replacement by a qualified technician.
Load not turning ON/OFF.	Incorrect wiring; overloaded circuit; faulty appliance.	Check wiring against diagram. Ensure load does not exceed 30A/5000W. Test the appliance separately.

10. WARRANTY AND SUPPORT

This product comes with a standard manufacturer's warranty. For specific warranty terms and conditions, please refer to the documentation provided with your purchase or contact the seller directly. If you encounter any issues or require technical assistance, please contact ciciglow customer support or your retailer.

For further assistance, please visit the ciciglow Store on Amazon.