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## LUTRZPVT TM928-10A

# LUTRZPVT TM928-10A Programmable Electronic Time Clock User Manual

Model: TM928-10A

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## 1. INTRODUCTION

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This manual provides comprehensive instructions for the installation, operation, and maintenance of your LUTRZPVT TM928-10A Programmable Electronic Time Clock. Please read this manual thoroughly before using the device to ensure safe and efficient operation. Keep this manual for future reference.

## 2. SAFETY INFORMATION

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- Ensure the power supply is disconnected before installation or maintenance to prevent electric shock.
- Installation should be performed by a qualified electrician or knowledgeable individual.
- Do not exceed the specified load capacity (10A for TM928-10A).
- Do not expose the device to moisture, extreme temperatures, or corrosive environments.
- Verify correct wiring connections before applying power.

## 3. PRODUCT OVERVIEW

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### 3.1 Features

- Digital clock display with backlight.
- 7-day programmable timer with up to 8 ON/OFF programs.
- Setting range from 1 second to 168 hours.
- Lock function to prevent accidental changes.
- Compact 35mm DIN rail installation.

### 3.2 Components and Display

The LUTRZPVT TM928-10A features a clear LCD backlight display and intuitive control buttons.



**Figure 1:** Front view of the TM928-10A timer, showing the LCD display with current time (9:28:59) and day (Sunday), along with control buttons (MENU, Res, OK, Up, Down).



**Figure 2:** The TM928-10A timer with its clear protective cover closed, providing protection for the display and buttons.



**Figure 3:** The TM928-10A timer with the clear protective cover open, allowing access to the control buttons for programming and settings adjustments.

## 4. SETUP AND INSTALLATION

### 4.1 Mounting

The TM928-10A is designed for 35mm DIN rail installation. Securely attach the device to a standard DIN rail in an appropriate electrical enclosure.



**Figure 4:** Bottom view of the TM928-10A, highlighting the orange DIN rail mounting clip for easy installation onto a standard 35mm DIN rail.

## 4.2 Wiring

Refer to the wiring diagram below for proper connection. Ensure all connections are tight and secure.



**Figure 5:** Wiring diagram for the TM928-10A, showing input (IN) terminals for Neutral (N) and Live (L), and output (LOAD) terminals for Neutral (N) and Live (L). The input voltage range is 85-265V AC.

- Connect the incoming Live (L) and Neutral (N) wires to the "IN" terminals.
- Connect the load's Live (L) and Neutral (N) wires to the "LOAD" terminals.
- Ensure the voltage (110V or 220V) matches the device's operating range (85-265V).

## 5. OPERATING INSTRUCTIONS

### 5.1 Initial Power-Up and Reset

Upon first power-up or after a power outage, the display may be blank or show incorrect time. Press the **Res** button (Reset) to clear all settings and initialize the device. The display will show 0:00 and the current day.

### 5.2 Setting Current Time and Day

1. Press and hold the **MENU** button for approximately 3 seconds until the hour digit flashes.
2. Use the **Up** (▲) and **Down** (▼) buttons to adjust the hour.
3. Press **MENU** again to move to the minute setting. Adjust with **Up** and **Down**.

4. Press **MENU** again to move to the day setting. Adjust with **Up** and **Down** (e.g., Mo, Tu, We, Th, Fr, Sa, Su).
5. Press **OK** to save the settings and exit.

### 5.3 Programming ON/OFF Cycles

The TM928-10A supports up to 8 ON/OFF programs. Each program consists of an ON time and an OFF time.

1. Press the **MENU** button once to enter program setting mode. The display will show "1 ON".
2. Use **Up** and **Down** to select the desired day(s) for this program (e.g., Mo-Su, Mo-Fr, Sa-Su, individual days).
3. Press **MENU** to set the ON hour, then **MENU** for ON minute. Adjust with **Up** and **Down**.
4. Press **MENU** again. The display will show "1 OFF".
5. Repeat the steps to set the OFF hour and OFF minute for the same program.
6. Press **MENU** to advance to the next program ("2 ON") or **OK** to save and exit.
7. Repeat for up to 8 programs. If fewer than 8 programs are needed, press **OK** to exit after setting your last program.

### 5.4 Manual Override / AUTO ON/OFF

The timer typically operates in "AUTO ON" or "AUTO OFF" mode, following the programmed schedule. You can manually override the current state:

- Press the **OK** button (when not in programming mode) to cycle through modes: **AUTO ON** → **ON** → **AUTO OFF** → **OFF**.
- In **ON** mode, the output is continuously ON, ignoring programs.
- In **OFF** mode, the output is continuously OFF, ignoring programs.
- Return to **AUTO ON** or **AUTO OFF** for programmed operation.

### 5.5 Lock Function

To prevent accidental changes to settings, the device features a lock function.

- To **lock** the device: Press and hold the **Down** (▼) button for approximately 5 seconds until "LOCK" appears on the display.
- To **unlock** the device: Press and hold the **Down** (▼) button for approximately 5 seconds until "LOCK" disappears.

## 6. MAINTENANCE

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- Clean the device with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- Ensure proper ventilation around the device.
- No user-serviceable parts inside. Do not attempt to open the casing.

## 7. TROUBLESHOOTING

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Problem	Possible Cause	Solution
Display is blank.	No power supply.	Check power connections and circuit breaker.
Timer not switching ON/OFF as programmed.	Incorrect program settings; Manual override active; Device in OFF mode.	Verify program settings. Ensure the device is in "AUTO ON" or "AUTO OFF" mode.
Buttons are unresponsive.	Lock function is active.	Unlock the device by holding the <b>Down</b> button for 5 seconds.
Time is incorrect after power outage.	Internal battery depleted or not present (for backup).	Reset the time and day. The device has a backup battery for settings, but not for clock accuracy during extended power loss.

## 8. SPECIFICATIONS

<b>Model Number</b>	TM928-10A
<b>Power Supply</b>	85~265V AC, 50/60Hz
<b>Load Capacity</b>	10A
<b>Programs</b>	8 ON/OFF cycles per day/week
<b>Setting Range</b>	1 second to 168 hours
<b>Setting Interval</b>	1 second
<b>Display</b>	LCD with backlight
<b>Dimensions</b>	86 x 65 x 36mm
<b>Installation</b>	35mm DIN rail

## 9. WARRANTY AND SUPPORT

Specific warranty information for the LUTRZPVT TM928-10A Programmable Electronic Time Clock is not provided in this document. For warranty details, technical support, or service inquiries, please contact your retailer or the manufacturer directly.

Manufacturer: LUTRZPVT