

ChiliTec 20629

ChiliTec Digital DIN Rail Timer 20629 - Instruction Manual

Model: 20629

1. INTRODUCTION AND PRODUCT OVERVIEW

The ChiliTec Digital DIN Rail Timer 20629 is a versatile, programmable weekly timer designed for precise control of electrical devices. It is ideal for mounting on a standard DIN rail within fuse boxes, distribution boxes, or electrical cabinets. This timer allows for up to 8 daily or weekly programs, offering flexible scheduling for various applications such as lighting, pumps, and other electronic equipment.



Schalttafel Einbau
2 Plätze auf DIN Hutschiene

Programmierung
8 Programme für Tag / Woche

LCD-Anzeige
manueller Schalter
Betrieb an 230V / 16A
LED Funktionsanzeige

Figure 1: Overview of the ChiliTec Digital DIN Rail Timer, showing its compact design for DIN rail mounting and key features like 8 programs for day/week, LCD display, manual switch, 230V/16A operation, and LED function indicator.

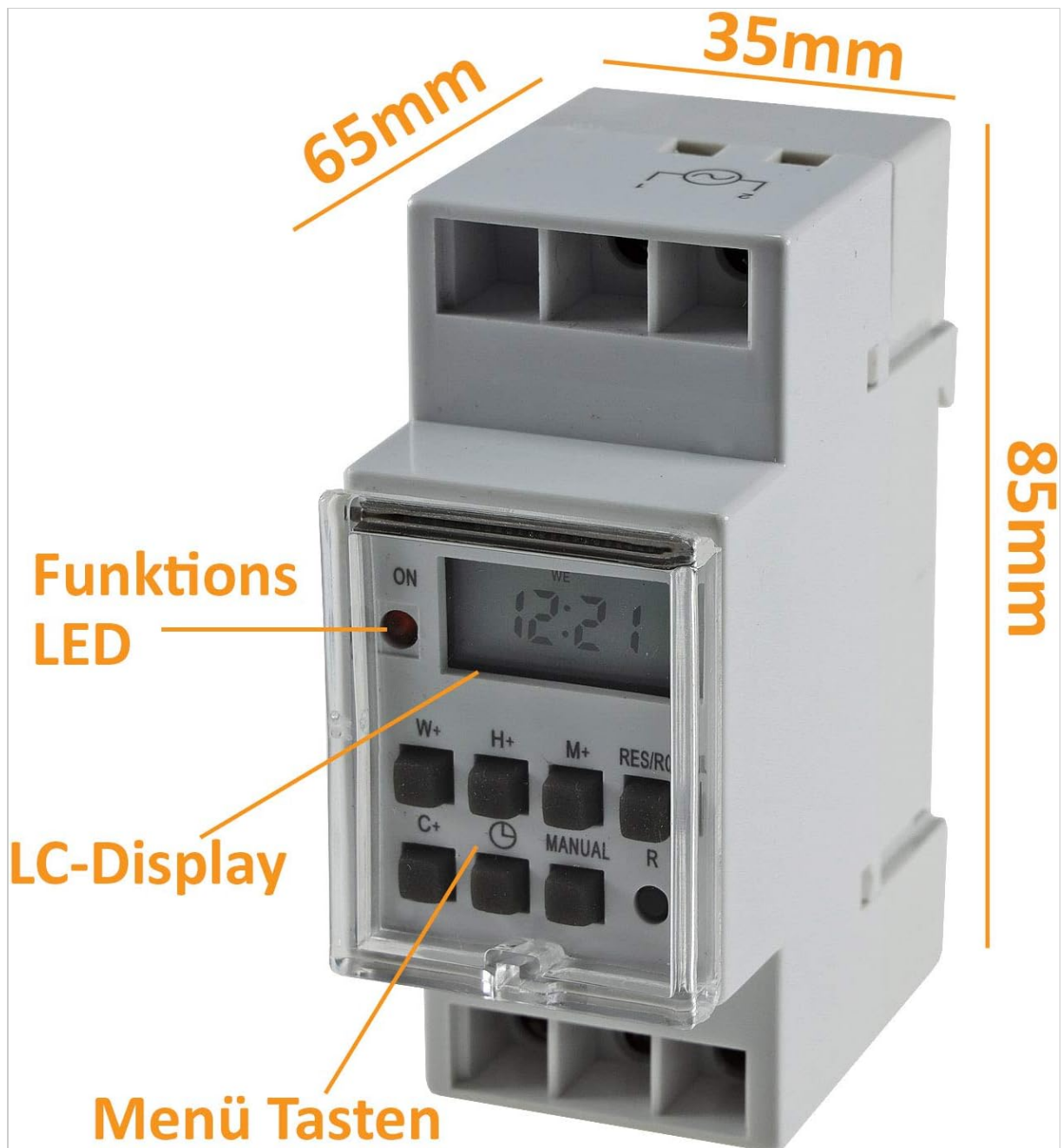


Figure 2: Front view of the ChiliTec Digital DIN Rail Timer, highlighting the LCD display, function LED, and control buttons (W+, H+, M+, C+, Manual, R, RES/RCL).

2. SAFETY INSTRUCTIONS

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

- **WARNING:** Installation and wiring should only be performed by a qualified electrician.
- Always disconnect the main power supply before performing any installation, wiring, or maintenance work on the timer or connected circuits.
- Ensure that the timer's voltage and current ratings (230V / 16A) are compatible with your electrical system and the connected load.
- Do not expose the device to moisture, extreme temperatures, or direct sunlight.
- Do not attempt to open or repair the device yourself. Contact qualified personnel for service.

3. SETUP AND INSTALLATION

This section provides instructions for mounting and wiring the ChiliTec Digital DIN Rail Timer.

3.1 Mounting

1. Ensure all connections are de-energized by disconnecting the main switch before proceeding with installation.
2. Mount the timer securely onto a standard DIN rail inside your electrical panel or distribution box.

3.2 Wiring

The timer features potential-free switch contacts. Refer to the wiring diagram below for correct connections.



Figure 3: Detailed view of the wiring terminals on the ChiliTec Digital DIN Rail Timer, showing connections for power input (1, 2) and switch contacts (3, 4, 5).

- Connect the phase (L) and neutral (N) wires of your power supply to connectors **1** and **2** respectively.
- The switch contact is potential-free. To control a load, you will typically connect a phase to the common terminal.
- Connect the phase (L) to connector **4** (common terminal for the switch).
- For the outputs:
 - The connection between connector **4** (phase) and connector **3** is normally closed (NC). This contact closes when the timer is set to OFF.
 - The connection between connector **4** (phase) and connector **5** is normally open (NO). This contact closes when the timer is set to ON.

- Once all connections are secure and correct, you may restore power to the main panel.
- Press the **RESET (R)** button to initialize the timer and begin programming.

4. OPERATING INSTRUCTIONS

This section details how to set the current time and program the timer's ON/OFF schedules.

4.1 Setting the Current Time and Day

1. Press and hold the **C+** button.
2. While holding **C+**, press **H+** to set the current hour.
3. While holding **C+**, press **M+** to set the current minutes.
4. While holding **C+**, press **W+** to set the current day of the week.
5. Release the **C+** button to save the settings.

4.2 Programming ON/OFF Schedules (8 Programs)

The timer allows for up to 8 distinct ON/OFF programs.

1. Press the **O** (clock symbol) button. The display will show 'ON' next to program number 1.
2. Press **W+** to select the day(s) of the week for this program. You can choose individual days, weekdays, weekends, or all days.
3. Press **H+** and **M+** to set the desired ON time for program 1.
4. Press the **O** button again. The display will show 'OFF' next to program number 1.
5. Press **W+** to select the day(s) of the week for the OFF time (usually matching the ON time).
6. Press **H+** and **M+** to set the desired OFF time for program 1.
7. Repeat steps 1-6 for programs 2 through 8 as needed. It is recommended to note down your settings.
8. To exit programming mode, press the **C+** button or wait for 20 seconds.
9. All programmed settings will be active when the timer is in **AUTO** mode.

4.3 Manual Mode

The **MANUAL** button allows you to override the programmed schedule temporarily.

- Press the **MANUAL** button to cycle through modes: **ON** (always on), **OFF** (always off), and **AUTO** (follows programmed schedule).
- Ensure the timer is set to **AUTO** for programmed schedules to function.

4.4 Modifying or Deleting Programs

- To modify a program, press the **O** (clock symbol) button repeatedly until you reach the desired program number (1-8). Then, follow the steps in section 4.2 to overwrite the ON/OFF times.
- To delete a specific program, navigate to that program using the **O** button and then press the **RES/RCL** button.

5. MAINTENANCE

The ChiliTec Digital DIN Rail Timer requires minimal maintenance.

- Keep the device clean and free from dust. Use a soft, dry cloth for cleaning.
- Do not use abrasive cleaners or solvents.

- Regularly check the wiring connections to ensure they are secure.

6. TROUBLESHOOTING

If you encounter issues with your timer, consider the following basic troubleshooting steps:

- **Timer not turning ON/OFF as programmed:** Check if the timer is in **AUTO** mode. Verify that the current time and day are set correctly. Review your programmed ON/OFF times for any conflicts or errors.
- **Display is blank:** Ensure the timer is receiving power. Check the main power supply and wiring connections (terminals 1 and 2).
- **Device not responding:** Try pressing the **RESET (R)** button to clear all settings and restart the timer. You will need to re-program the time and schedules.
- **Load not switching:** Verify that the wiring to the load (terminals 3, 4, 5) is correct and secure. Ensure the load itself is functional.

If problems persist, consult a qualified electrician.

7. SPECIFICATIONS

Model Number	20629
Brand	ChiliTec
Voltage	230 V / 50 Hz
Max. Switching Power	16 A / 3500 W
Inductive Load	Max. 2 A / 460 VA
Number of Programs	8 (daily or weekly)
Minimum Switching Interval	1 minute
Display	LCD
Mounting Type	DIN Rail
Dimensions (H x W x D)	85 x 35 x 65 mm (approx. 3.35 x 1.38 x 2.56 inches)
Material	Plastic
Color	White

8. WARRANTY AND SUPPORT

Specific warranty information is not provided within this manual. For warranty claims or technical support, please refer to the retailer or manufacturer's official website where you purchased the product.