

Diehl CECOMINOD014742

Diehl 24 hr Spa Timer Instruction Manual

Model: TA4071 (CECOMINOD014742) | Brand: Diehl

INTRODUCTION

The Diehl 800 series electromechanical time clock, model TA4071, is a robust 24-hour timer designed for various applications, including bath, whirlpool, spa, and hot tub controls. This 120V, 15-amp panel mount timer features a Single Pole Single Throw (SPST) configuration with four terminal tabs for electrical connections. Its durable design ensures reliable operation for managing electrical loads on a daily cycle.

SAFETY INFORMATION

- Always disconnect power at the circuit breaker or fuse box before installing, servicing, or removing the timer.
- Installation should be performed by a qualified electrician or a knowledgeable individual familiar with electrical wiring and local codes.
- Ensure the timer's voltage and amperage ratings match the circuit and load requirements. This timer is rated for 120V, 15A.
- Do not exceed the maximum electrical ratings of the timer.
- Protect the timer from moisture and extreme temperatures.
- Verify all connections are secure and properly insulated before restoring power.

SETUP AND INSTALLATION

The Diehl TA4071 is designed for panel mounting. Follow these steps for proper installation:

- Power Disconnection:** Before beginning any installation, ensure that the main power supply to the circuit where the timer will be installed is turned off at the circuit breaker or fuse box.
- Mounting:** Secure the timer to a suitable panel or enclosure using appropriate fasteners. The timer is designed for panel mount applications.
- Wiring:** This timer features four terminal tabs located on the bottom for electrical connections. As an SPST (Single Pole Single Throw) timer, it controls a single circuit. Connect the 120V power supply and the load wires to the designated terminals. Refer to the wiring diagram provided with your specific application or consult a qualified electrician.
- Verification:** Double-check all wiring connections for tightness and correctness. Ensure no bare wires are exposed.
- Restore Power:** Once installation is complete and verified, restore power to the circuit.



Figure 1: Diehl 24 hr Spa Timer (Model TA4071). This image displays the timer's front face with its 24-hour dial, indicating time settings and rotation arrows. The red outer ring and the four terminal tabs at the base are also visible, highlighting its panel mount design and electrical connection points.

OPERATING INSTRUCTIONS

The Diehl 24 hr Spa Timer operates on a daily cycle. To set the timer:

1. **Set Current Time:** Rotate the timer dial clockwise until the current time aligns with the fixed pointer or marker on the timer's housing. The dial features a 24-hour scale.
2. **Set ON/OFF Times:** The timer typically uses small, movable pins or segments around the outer edge of the dial to set the ON and OFF times. Push the segments outwards for the periods you want the connected device to be ON, and leave them inwards for the OFF periods. Consult the specific instructions for your timer's pin mechanism if different.
3. **Observe Operation:** The timer will automatically cycle through the set ON/OFF periods every 24 hours. You should hear an audible "click" when the internal switch actuates at the set ON and OFF times.

The orange colored bezel behind the timer dial is a visual indicator and part of the timer's design.

MAINTENANCE

The Diehl 24 hr Spa Timer is designed for minimal maintenance. However, periodic checks can ensure its longevity and proper function:

- **Cleaning:** Gently wipe the exterior of the timer with a dry, soft cloth to remove dust and debris. Do not use liquid cleaners or solvents.
- **Connection Check:** Periodically, with power disconnected, inspect the terminal connections to ensure they remain tight and free from corrosion.
- **Environmental Conditions:** Ensure the timer is not exposed to excessive moisture, dust, or extreme temperatures, which can affect its performance and lifespan.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Timer not operating (dial not rotating)	No power to the timer; internal motor failure.	Check circuit breaker/fuse. Verify wiring connections. If power is present and dial still doesn't move, the timer may need replacement.
Connected device not turning ON/OFF at set times	Incorrect setting of ON/OFF pins/segments; internal switch failure.	Review operating instructions to ensure pins/segments are correctly set. Listen for an audible "click" when the dial passes the set times; if no click, the internal switch may be faulty and require timer replacement.
Timer makes unusual noises	Worn internal gears or motor.	While some mechanical timers produce a faint hum, loud or grinding noises indicate wear. Consider replacing the timer if noises are excessive or performance is affected.

SPECIFICATIONS

Brand: Diehl

Model Number: TA4071 (Item model number: CECOMINOD014742)

Voltage: 120 Volts

Switch Style: SPST (Single Pole Single Throw)

Mounting Type: Panel Mount

Item Weight: 1.6 ounces

Product Dimensions: 1 x 3 x 3 inches

UPC: 702811354609

Manufacturer: Diehl

WARRANTY AND SUPPORT

For specific warranty information regarding your Diehl 24 hr Spa Timer, please refer to the documentation included with your purchase or contact the retailer from whom the product was acquired. Warranty terms and conditions can vary. For technical support or further assistance, please contact the manufacturer, Diehl, or your product supplier. Ensure you

have your model number (TA4071 or CECOMINOD014742) and purchase details available when seeking support.

