

Finder 140182300000PAS

Finder 140182300000PAS Multifunction Timer/Staircase Relay User Manual

Model: 140182300000PAS

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of the Finder 140182300000PAS Multifunction Timer/Staircase Relay. Please read this manual carefully before installation and use to ensure proper function and safety.

2. SAFETY INFORMATION

WARNING: Electrical shock hazard. Installation and maintenance should only be performed by qualified personnel in accordance with all local and national electrical codes.

- Always disconnect power before installing or servicing the device.
- Ensure the device is installed in a suitable enclosure to protect against environmental factors.
- Verify correct wiring connections to prevent damage to the device or connected equipment.
- Do not exceed the specified voltage and current ratings.

3. PRODUCT OVERVIEW

The Finder 140182300000PAS is a versatile multifunction timer and staircase relay designed for various electrical control applications. It features a 230V operating voltage, a 1 NO (normally open) contact, and a 16A current rating. Its compact design allows for easy integration into electrical panels.

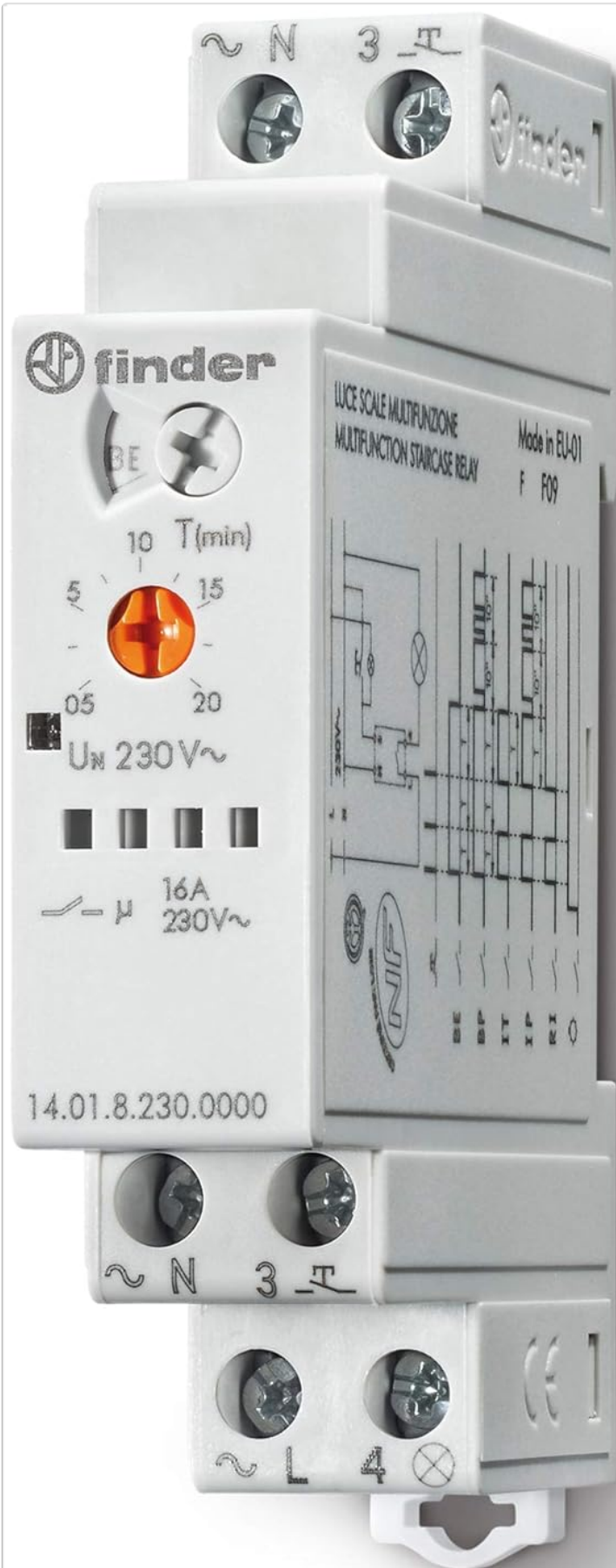


Figure 1: Front view of the Finder 14018230000PAS Multifunction Timer/Staircase Relay. This image shows the device's casing, terminals, and the adjustable timer dial.



Figure 2: Example application of the Finder 140182300000PAS controlling staircase lighting. The relay is shown in an inset, demonstrating its use in a typical residential or commercial setting.



Figure 3: Another application example, showing the Finder 140182300000PAS managing lighting for a modern spiral staircase. This highlights the device's suitability for various architectural lighting designs.

4. SETUP AND INSTALLATION

4.1 Physical Dimensions

Refer to the dimensional drawing for precise measurements to ensure proper fit and mounting.

Disegni d'ingombro Tipo 14.01

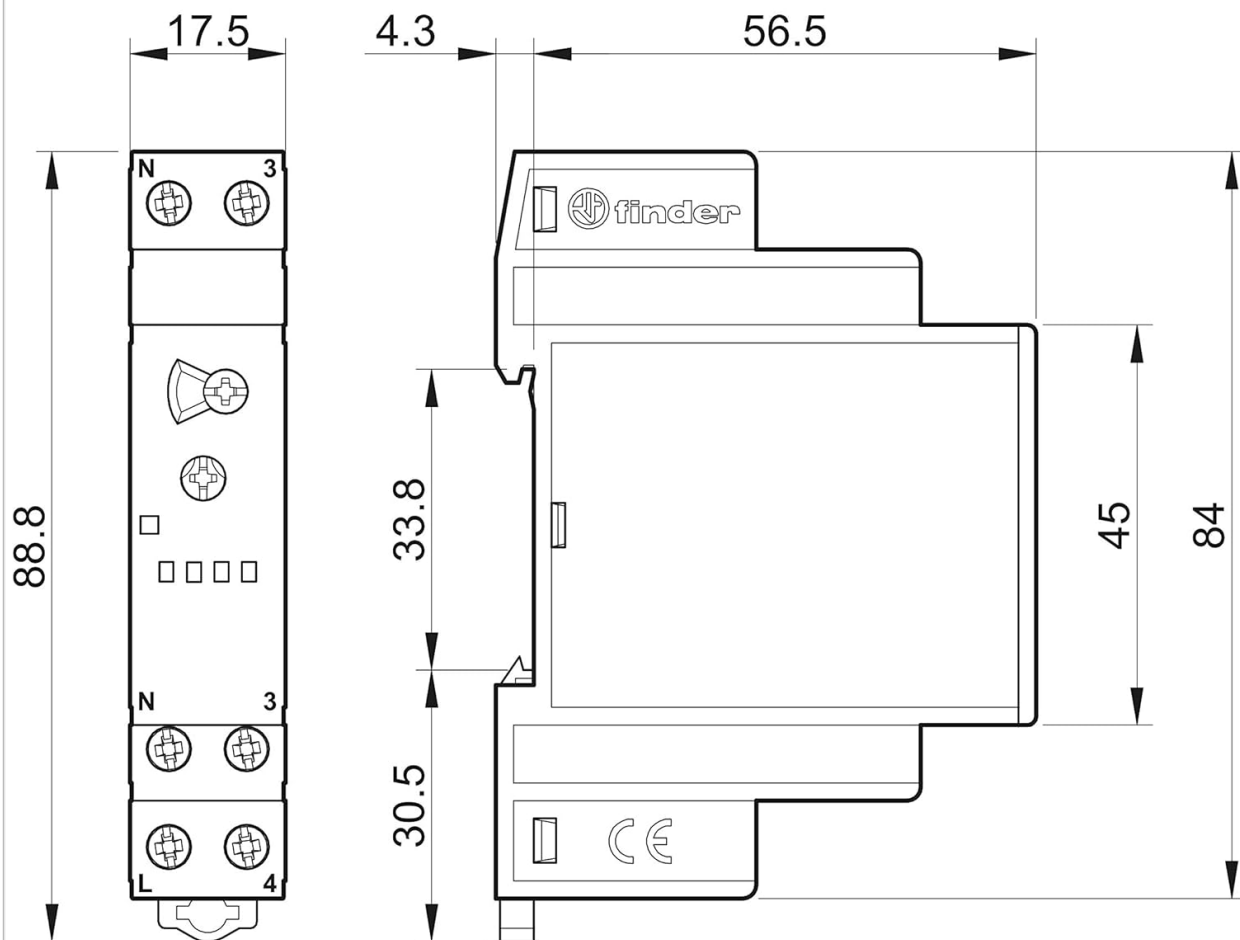


Figure 4: Dimensional drawing for the Type 14.01 relay, showing height, width, and depth in millimeters. This diagram is crucial for planning installation space.

4.2 Wiring Diagrams

The Finder 140182300000PAS supports both 3-wire and 4-wire connection types. Select the appropriate diagram for your installation.

The diagram illustrates a 3-phase 4-wire system. On the left, a 4-pole switchgear is shown with terminals labeled N, 3, N, 3, L, and 4. The top N terminal is connected to the neutral line (blue). The top 3 terminal is connected to the top phase line (blue). The bottom N terminal is connected to the neutral line (blue). The bottom 3 terminal is connected to the top phase line (blue). The bottom L terminal is connected to the bottom phase line (blue). The bottom 4 terminal is connected to the bottom phase line (blue). The switchgear is labeled '14.01/71' and features a warning symbol (a circle with a cross) and a square symbol. On the right, a 3-phase 3-wire load is shown, consisting of three lamps connected in a star configuration. The top lamp is connected to the top phase line (blue). The middle lamp is connected to the middle phase line (blue). The bottom lamp is connected to the bottom phase line (blue). The load is labeled 'E' and features a warning symbol (a circle with a cross) and a square symbol. The diagram also shows a 3-phase 4-wire system with a 4-pole switchgear and a 3-phase 3-wire load.

Figure 5: Wiring Diagram Type 14.01 for a 3-wire connection. This diagram illustrates how to connect the relay to the power supply and load using a 3-wire configuration, typically for staircase lighting with a common neutral.

Schema di collegamento Tipo 14.01 a 4 fili

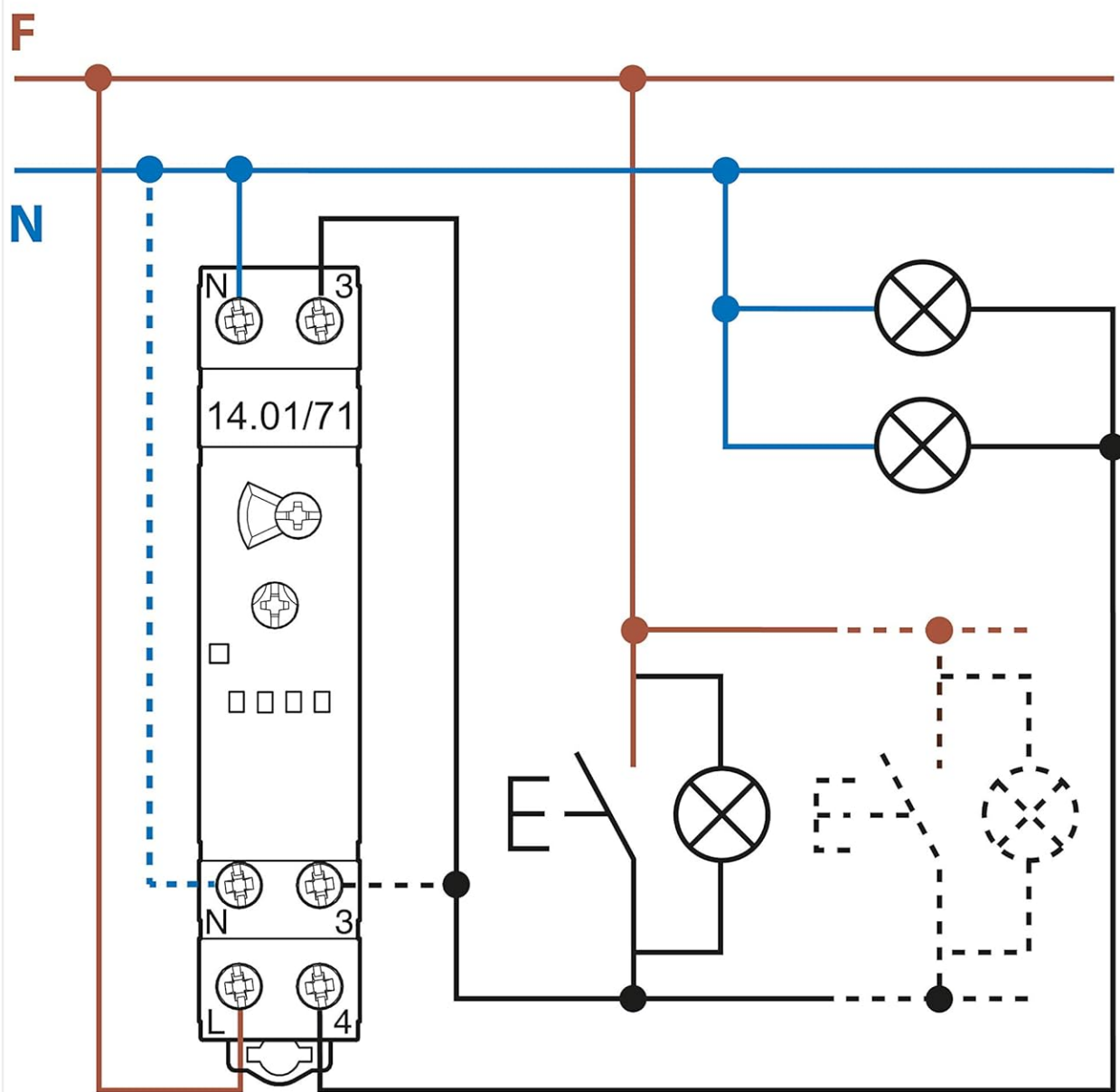


Figure 6: Wiring Diagram Type 14.01 for a 4-wire connection. This diagram shows the connections for a 4-wire setup, which might be used in systems requiring separate control wires for the relay and the load.

5. OPERATING INSTRUCTIONS

5.1 Timer Adjustment

The device features an adjustable timer dial on its front face. To set the desired timing duration:

1. Locate the orange dial labeled 'T(min)' on the front of the relay.
2. Rotate the dial to align the indicator with the desired time setting (e.g., 5, 10, 15, 20 minutes).
3. The selected time will determine how long the connected load remains active after activation.

5.2 Multifunction Operation

The Finder 140182300000PAS operates as both a staircase timer and a multifunction relay. When activated (e.g., by a push-button switch), the relay will close its contact, powering the connected load for the duration set on the timer. It can be used for applications such as:

- Staircase lighting control.
- Timed ventilation systems.
- General purpose timed switching.

6. MAINTENANCE

The Finder 140182300000PAS is designed for long-term, maintenance-free operation. However, periodic checks are recommended:

- Ensure all wiring connections remain secure.
- Keep the device free from dust and debris.
- Inspect for any signs of physical damage or overheating.
- If the device is exposed to harsh environments, consider more frequent inspections.

WARNING: Always disconnect power before performing any maintenance or inspection.

7. TROUBLESHOOTING

If the device is not functioning as expected, consider the following:

- **No power to the load:** Check the main power supply, circuit breaker, and all wiring connections. Ensure the device is receiving 230V.
- **Timer not activating:** Verify the input signal (e.g., from the push-button switch) is correctly connected and functioning.
- **Incorrect timing duration:** Re-check the setting on the 'T(min)' dial.
- **Device overheating:** Ensure the load current does not exceed 16A. Check for proper ventilation around the device.

If issues persist after checking these points, consult a qualified electrician or contact Finder customer support.

8. SPECIFICATIONS

Feature	Specification
Manufacturer	Finder
Model Number	140182300000PAS
Product Dimensions (L x W x H)	8.4 x 1.8 x 5.9 cm
Weight	60 grams
Color	Grey
Material	Plastic
Voltage	230 Volts

Contact Type	1 NO (Normally Open)
Current Rating	16 A
Number of Settings	8 (Timer functions)
Battery(ies) Included	No
Battery(ies) Required	No
Spare Parts Availability	Information unavailable

8.1 Certifications

The product complies with various international standards.

Omologazioni



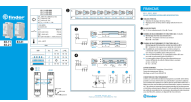
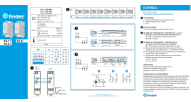
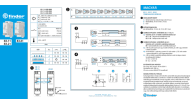
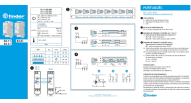
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Figure 7: Product certifications, including CE, UKCA, EAC, and Q-Mark, indicating compliance with European, UK, Eurasian, and quality standards respectively.

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official Finder website or contact your local distributor. Keep your purchase receipt as proof of purchase.

	<p>Finder 14 SERIES Electronic Staircase Timers 10-16A Product Datasheet</p> <p>Comprehensive datasheet for Finder's 14 SERIES Electronic Staircase Timers (10-16A). Features multi-function and mono-function models with detailed specifications, wiring diagrams, and function descriptions for staircase lighting control.</p>
	<p>Finder ŘADA 13: Electronic Impulse-Controlled Relays & YESLY Series</p> <p>Comprehensive technical catalog for Finder's ŘADA 13 series of electronic impulse-controlled, step, call, and monostable relays, including the YESLY smart home series. Features detailed specifications, functions, and wiring diagrams for models 13.01 to 13.91.</p>
	<p>Finder 83.11, 83.21, 83.41 Modular Multifunction Timers - Technical Data</p> <p>Explore the technical specifications and functionalities of Finder's 83.11, 83.21, and 83.41 series modular multifunction timers. This document details wiring diagrams, time ranges, operating conditions, and installation guidelines for these industrial timing relays.</p>
	<p>Finder 83.11, 83.21, 83.41 Modular Multifunction Timers - Technical Overview</p> <p>Discover the Finder 83.11, 83.21, and 83.41 series of modular multifunction timers. This document provides an overview of their technical specifications, connection diagrams, and operating principles, ideal for electrical engineers and automation specialists.</p>
	<p>Finder 83.11, 83.21, 83.41 Multifunction Time Relays - Technical Overview</p> <p>Explore the Finder 83.11, 83.21, and 83.41 series of multifunction time relays. This document provides an overview of their technical specifications, features, and installation examples, including details on time ranges, LED indicators, and wiring configurations for various applications.</p>
	<p>Finder 83 Series Modular Timers: Technical Specifications and Functionality</p> <p>Detailed technical specifications, connection diagrams, and operating conditions for Finder 83.11, 83.21, and 83.41 modular single-function timers. Includes information on time scales, LED indicators, and wiring configurations.</p>