



finder 80 Series Modular timers Modular timers Instruction Manual

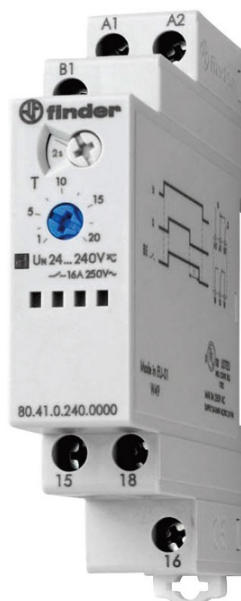
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finder 80 Series Modular timers Modular timers



Product Information

The product is identified by the model number 80.01.0.240.0000 UN. It is designed to operate on a voltage range of 12 to 240 V AC (alternating current) or DC (direct current) with a frequency of 50/60 Hz. The minimum operating voltage is 10.8 V AC/DC, while the maximum operating voltage is 265 V AC/DC.

Product Usage Instructions

1. Ensure that the power source is within the specified voltage range of 12 to 240 V AC/DC.
2. Connect the product to the power source using appropriate cables or connectors.
3. Make sure that the frequency of the power source is either 50 Hz or 60 Hz.
4. Verify the voltage of the power source and ensure it is above the minimum operating voltage of 10.8 V AC/DC.
5. Do not exceed the maximum operating voltage of 265 V AC/DC to prevent damage to the product.
6. Follow any additional instructions provided in the user manual for specific usage scenarios or features.
7. If using DC power, ensure that the polarity is correctly aligned with the product's input.
8. If any issues or abnormalities are encountered during usage, refer to the troubleshooting section of the user manual or contact customer support for assistance.

Please refer to the complete user manual for detailed instructions on installation, maintenance, and safety precautions.

FRONT VIEW

A Time scale rotary selector (Tmax)

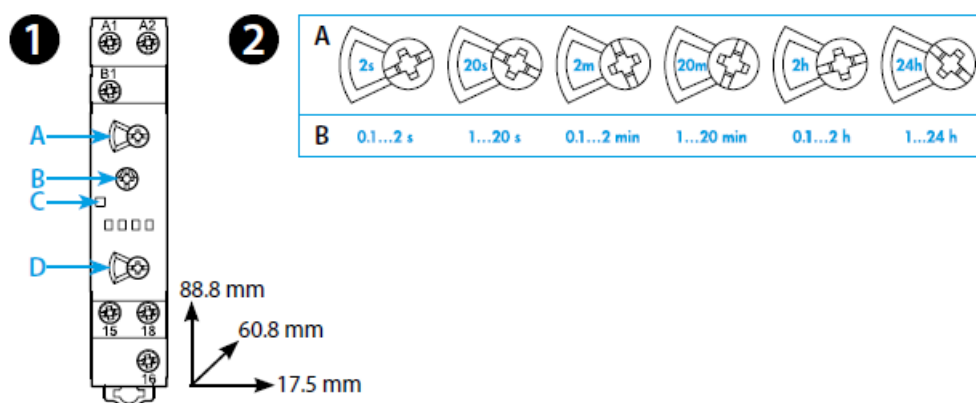
B Time setting (Tmin...Tmax)

C LED

D Function rotary selector

TIME SCALES

(Eg. T=10 min: set A=20 m and B=10)



WIRING DIAGRAM AND FUNCTIONS

NOTE

Time scale and function must be set before energising the timer

- 3a Without signal START functions:
Start via contact in supply line (A1)

AI On-delay

DI Interval

SW Symmetrical flasher (starting pulse on)

- 3b External START functions: Start via contact into control terminal (B1)

BE Off-delay with control signal

CE On- and off-delay with control signal

DE Interval with control signal on

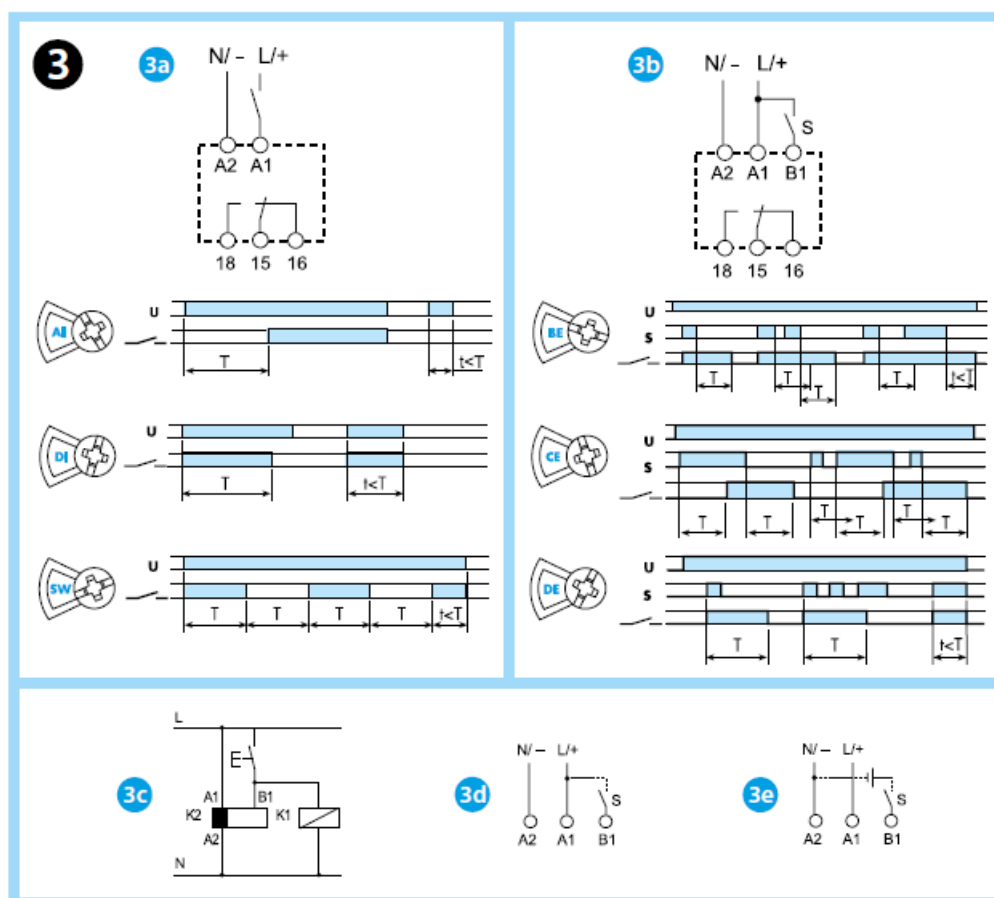
- 3c Possible to control an external load, such as another relay coil or timer, connected to the signal start terminal B1

- 3d With DC supply, positive polarity has to be connected to B1 terminal (according to EN 60204-1)

- 3e A voltage other than the supply voltage can be applied to the command Start (B1), example:

A1-A2 = 230 V AC

B1-A2 = 12 V DC



OTHER DATA

Minimum control impulse: 50 ms

Recovery time: 100 ms




35 mm rail mount (EN 60715)








WORKING CONDITIONS

In conformity with the European Directive on EMC 2014/30/EU, the timer relay has a level of immunity, against radiated and conducted disturbances, considerably higher than requirements of EN 61812-1 standard. However, devices like transformers, motors, contactors, switches and power cables may cause disturbances and even damage the timer electronic circuit. For that reason, the wiring cables must be as short as possible, and, when

necessary, the timer shall be protected by the relevant RC network, varistor or surge voltage protector.

SPECIFICATION

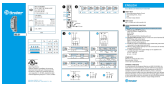
	80.01.0.240.0000 U _N (12...240) V AC (50/60 Hz)/DC U _{min} 10.8 V AC/DC U _{max} 265 V AC/DC P <1.8 VA (50 Hz) / < 1W
	1 CO (SPDT) 16 A 250 V AC AC1 4000 VA AC15 (230 V AC) 750 VA (M) (230 V AC) 0.55 kW DC1 (30/110/220) V (16/0.3/0.12) A
	(-20...+60)°C
IP20	

LED	U _N		
	-	15 - 18	15 - 16
	✓	15 - 18	15 - 16
	✓		15 - 16
	✓	15 - 16	15 - 18

- Open Type Device
- Pollution degree 2 Installation Environment
- Maximum Surrounding Air Temperature 40°C
- Use 60/75°C copper (Cu) conductor only and wire ranges No. 14–18 AWG, stranded or solid
- Terminal tightening torque of 7.1 lb.in. (0.8 Nm)

Utility Model – IB8001001 – 02/23
Finder S.p.A. con unico socio – 10040 ALMESE (TO) – ITALY

Documents / Resources

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